

Palm Beach County Water Utilities Department

Wellfield Expansion Project Construction Report

December 1997



MONTGOMERY WATSON

SO-00135-W lotr data - ID ones W good hydrad 2 dots & with hydrad 2 dots & with builde what burg out

December 23, 1997

Mr. Paul Feldman, P.E Palm Beach County Water Utilities Department 2065 Prairie Road West Palm Beach, Florida 33406

SUBJECT: Wellfield Expansion Project Well Construction Draft Report (WUD No. 95-207)

Dear Mr. Feldman:

Montgomery Watson is pleased to submit this final report detailing the Well Construction for Palm Beach County Water Utilities Department Wellfield Expansion at Water Plants 1, 2, 3, 8, and 9. This report presents information collected during the construction and testing of new supply wells at Water Plants 2, 3, 8 and 9. Also included in the report are the results of the rehabilitation of two wells at the Polo Trace golf course and the abandonment of four wells at the former Water Plant 1.

We have enjoyed working with the PBCWUD staff during this project, and look forward to assisting you in future projects.

Very truly yours, MONTGOMERY WATSON

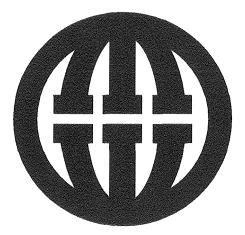
Robert T. Verrastro, P.G. Senior Hydrogeologist

cc: Gary Dernlan, PBCWUD Lawton McCall, PBCWUD Agustin Maristany, Montgomery Watson Mark Abbott, Montgomery Watson

Palm Beach County Water Utilities Department

Wellfield Expansion Project

Submitted by Montgomery Watson Americas, Inc. 2328 10th Avenue North, Suite 501 Lake Worth, Florida 33461



December 1997

ACKNOWLEDGMENTS

The successful completion of this project was the result of the hard work and cooperation between many individuals and organizations involved in the design, permitting, and construction of the supply wells and pipelines. Those who played particularly significant roles in this achievement were:

Palm Beach County Water Utilities Department

Charlie Carroll Gary Dernlan Bob Dobrodzeij Bob Eskuchen Paul Feldman, P.E. Vince Hollenberger Pat Lyles Lawton McCall Jim Shamblin

Palm Beach County Public Health Unit

Dutch Holland Bob Mitchell

Southeast Drilling Services, Inc.

Bart Ziegler, P.E. Bill Ziegler

Montgomery Watson Americas, Inc.

Mark Abbott, P.G. Susan Bodmann, P.G. J. Ray Eldridge, P.E. Mark Nelson, P.E. Charles Reynolds Randy Skinner Paul Ude Bob Verrastro, P.G. Tammy Watson

SECTION 1 - EXECUTIVE SUMMARY

SECTION 2 - INTRODUCTION AND PURPOSE

SECTION 3 - WELL CONSTRUCTION AND TESTING

Pilot Hole Drilling and Testing	3-1
Borehole Geophysics	
Supply Well Construction	

SECTION 4 - REGIONAL GEOLOGY AND HYDROGEOLOGY

Regional Geology	4-1	
Hydrogeology	4-1	

SECTION 5 - PLANT 1 - WELL ABANDONMENT

Vell Abandonment

SECTION 6 - PLANT 2 - WELLS NO. 2-14 AND NO. 2-15

Local Geologic Conditions
Geophysical Interpretation
Well Yields
Water Quality

SECTION 7 - PLANT 3 - WELL CONSTRUCTION, TESTING AND REHABILITATION

SECTION 8 - PLANT 8 - WELLS NO. 8-13 AND NO. 8-14 CONSTRUCTION TESTING

Local Geologic Conditions	8-1
Geophysical Interpretation	
Well Yields	8-2
Water Quality	8-3

SECTION 9 - PLANT 9 - WELL NO. 1R CONSTRUCTION AND TESTING

Local Geologic Conditions	9-1
Geophysical Interpretation	
Well Yields	
Water Quality	9-2

SECTION 10 - REFERENCES

APPENDIX - A	SFWMD AND PBCPHU WELL CONSTRUCTION		
	AND ABANDONMENT PERMITS		
APPENDIX - B	LITHOLOGIC DESCRIPTIONS		
APPENDIX - C	GEOPHYSICAL LOGS		
APPENDIX - D	SAND SIEVE ANALYSIS		
APPENDIX - E	PRELIMINARY WATER SAMPLE ANALYSES		
APPENDIX - F	FINAL WATER SAMPLE ANALYSES		
APPENDIX - G	SFWMD WELL COMPLETION REPORTS		
	AND PBCPHU RELEASES		
APPENDIX - H	AS-BUILT DRAWINGS		
		··	•

LIST OF FIGURES

	iguı umb		Following Page
1	-1	General Location Map	1-1
1	-2	Water Service Area	1-1
3	-1	Typical Supply Well Construction Detail	3-2
4	-1	Conceptual Cross Section of the Surficial Aquifer System	4-1
5	-1	Plant 1 Site Plan	5-1
6	-1	2W Wellfield Site Map	6-1
7	-1	Southern Regional Water Reclamation Facility Site Map	7-1
7	-2	Polo Trace Site Plan	7-8
8	-1	Water Treatment Plant No. 8	8-1
9	-1	Water Treatment Plant No.	9-1

.

LIST OF TABLES

Table		
Numbe	er Title	Page
1-1	Summary of Work Performed at Water Plants	1-1
2-1	Raw Water Summary for Wellfields 2,3,8 and 9	2-1
3-1	Construction Details of Wells	3-1
5-1	Plant 1 Well Construction Details	5-1
6-1	Plant 2 Step-Rate Pumping Test Data	6-2
6-2	Plant 2 Constant-Rate Pumping Test Data	6-3
6-3	Water Quality Summary at Plant 2	6-3
7-1	Plant 3, Well No 3-15 Step-Rate Pumping Test Data	7-3
7-2	Plant 3, Well No 3-16 Step-Rate Pumping Test Data	7-4
7-3	Plant 3, Well No 3-16 Constant-Rate Pumping Test Data	7-4
7-4	Plant 3, Well No 3-17 Step-Rate Pumping Test Data	7-5
7-5	Plant 3, Well No 3-17 Constant-Rate Pumping Test Data	7-6
7-6	Plant 3, Well No 3-18 Step-Rate Pumping Test Data	7-6
7-7	Plant 3, Well No 3-17 Constant-Rate Pumping Test Data	7-7
7-8	Water Quality Summary at Plant 3	7-8
7-9	Summary of Wire to Water Pumping Tests at Wells No. 3-13 and 3-14	7-9
7-10	Water Quality Summary at Plant 3 - Polo Trace	7-10
8-1	Plant 8, Well No. 8-13 Step-Rate Pumping Test Data	8-2
8-2	Plant 8, Well No. 8-14 Step-Rate Pumping Test Data	8-2
8-3	Plant 8 Constant-Rate Pumping Test Data	8-3
8-4	Water Quality Summary at Plant 8	8-4
9-1	Plant 9, Well No. 9-1R Step-Rate Pumping Test Data	9-2
9-2	Water Quality Summary at Plant 9	9-3

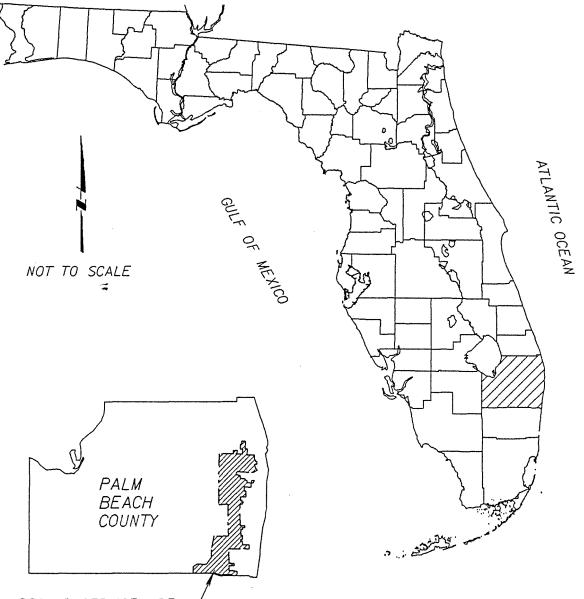


Section 1 Executive Summary

This report details the construction, testing and abandonment of water supply wells and associated pipelines within the Palm Beach County Water Utilities Department (PBCWUD) service area. This project took place from mid-1996 through 1997 and was conducted as part of a system-wide wellfield expansion. The service area is presented on the general location map shown on **Figure 1-1** and the relative positions of each of the water treatment plants is presented on **Figure 1-2**. Also included in the report is data regarding the hydrogeology and groundwater quality of the surficial aquifer system at Water Treatment Plants 2, 3 (at the South Regional Water Reclamation Facility [SRWRF] and Polo Trace Golf Course), 8, and 9. A summary of the construction that took place during this project is presented on **Table 1-1**.

Plant 1W	Abandonment of 4 existing supply wells
	Removal of all above-grade facilities
Plant 2W	Construction of 2 new supply wells
	Construction of 18" and 20" raw water pipelines
	Installation of pumps, pads, and control panels
	a
Plant 3W	Installation of replacement pumps at 2 existing supply wells
	Installation of replacement sump pumps at 3 existing supply wells
	Installation of electrical, instrumentation and controls at 8
	existing supply wells
· · · · · · · · · · · · · · · · · · ·	Construction of a 30" raw water pipeline
	Construction of a 36" potable water pipeline
Plant 3W - SRWRF	Construction of 4 new supply wells
	Installation of pumps, pads, and control panels
	Construction of 12" and 16" raw water pipelines
Plant 3W - Polo Trace Golf Course	Processing testing ovisiting 12" and 8" rows water pipelings
a lant 500 - 1 010 Trace Gon Course	Pressure testing existing 12" and 8" raw water pipelines Rehabilitation of 2 existing supply wells
	Installation of pumps, electrical, instrumentation and
	controls
Plant 8W	Construction of 2 new supply wells
	۶
Plant 9W	Construction of 1 new replacement well
	Construction of a 12" raw water pipelineg
	Installation of pump, pad, instrumentation and controls

Table 1-1Summary of Work Performed at Water Plants



PBCWUD SERVICE AREA-BOUNDARY

6 -

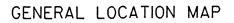
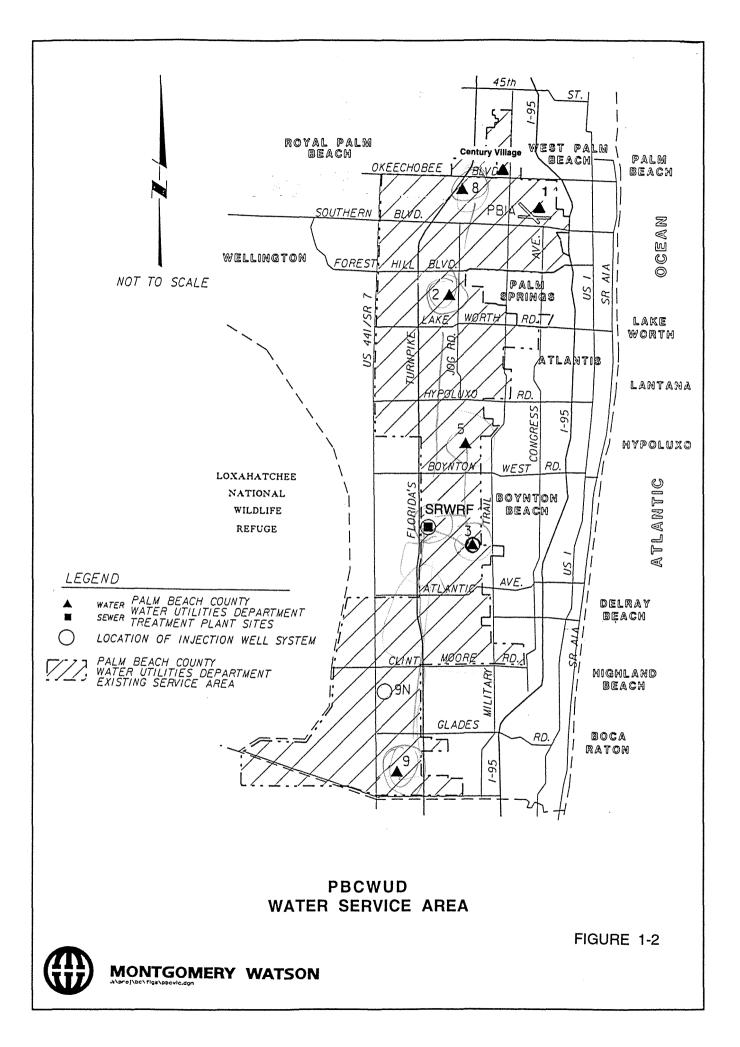




FIGURE I-I



Plant 1

As part of the wellfield expansion, supply wells at former Water Plant 1 were abandoned. Four wells, Nos. 1-1, 1-4, 1-5 and 1-6 were filled with gravel, sand and neat cement to land surface. All of the wellhead piping and above ground appurtenances were also removed.

Plant 2

Two new supply wells, No. 2-14 and No. 2-15, were installed at Plant 2. The wells were constructed of 16-inch diameter poly-vinyl chloride (PVC) final casings and gravel-packed stainless steel screens to depths of approximately 120 feet below land surface (bls). These wells are capable of providing sand-free water when pumped at the design rate of 1,000 gallons per minute with drawdown of less than two feet within each well. Pumping rates as high as 3,500 gpm per well were obtained during the testing, however, sand content increased at that rate.

Plant 3

As a part of the Plant 3 expansion, 2 existing wells at Polo Trace Golf Course (Nos. 3-13 and 3-14) were rehabilitated through brushing and high-level chlorination, then fitted with submersible turbine pumps capable of providing 1,000 gpm per well.

Four new supply wells, Nos. 3-15, 3-16, 3-17, and 3-18 were installed at the SRWRF to supply raw water to Plant 3. The wells were constructed of 16-inch diameter PVC final casings and gravel-packed stainless steel screens to depths of approximately 140 feet bls. The new wells exhibited variable water-yielding capacities as a result of heterogeneity within the surficial aquifer underlying the site. Well No. 3-15 is capable of yielding approximately 700 gpm. This well was acidified during construction testing, to increase its specific capacity. Well No. 16 is capable of yielding 1,500 gpm. Well No. 3-17 is currently capable of yielding 700 gpm, however, this well should yield up to 1,500 gpm after long-term pumping. Well No. 3-18 is capable of providing 1,500 gpm.

Two of the new supply wells (Nos. 3-17 and 3-18) at the SRWRF were constructed within 500 feet of the on-site retention ponds, which could be used for emergency disposal of secondarily-treated effluent. In the event of an emergency discharge to the ponds, withdrawals from wells No. 3-17 and 3-18 should be terminated. Reactivation of these wells will occur only upon successful disinfection, clearance and receipt of acceptable results from a groundwater monitoring program which has been proposed to the Palm Beach County Health Department.

Plant 8

Two new supply wells, No. 8-13 and No. 8-14 were constructed at Plant 8. Both of the wells are constructed of 16-inch final casings and screens to depths of approximately 140 feet bls. Both of the wells are capable of providing water at a design rate of 1,000 gpm. Pumping rates as high as 3,300 gpm were achieved during testing of these wells, although sand content increased during pumpage at these rates.

Plant 9

A replacement well, No. 9-1R was constructed at Plant 9. The well is constructed of 16-inch final casing and screen to a depth of 130 feet bls. This well is capable of producing water at a rate of 700 gpm.

· · ·



Section 2 Introduction and Purpose

On September 18, 1995, the Palm Beach County Water Utilities Department (PBCWUD) authorized Montgomery Watson Americas, Inc. (Montgomery Watson) to perform design, bidding and construction observation services related to the expansion of the PBCWUD'S water treatment plant (WTP) wellfields. The work was performed to meet increasing water demand within the service area. These expansions were permitted by the South Florida Water Management District (SFWMD), as contained in the County's consumptive water use permits (number 50-00135-W for the "Central System", including Plants 1, 2, 5, and 8 and number 50-00401-W for the "South System", including Plants 3 and 9). Table 2-1 presents a summary of the wellfield capacities expanded as a result of this project.

The expansions consisted of the construction of new raw water supply wells connected to each of the water treatment plants by new raw water pipelines included in the work. The new supply wells withdraw water from the surficial aquifer system. In addition to the new supply well constructions, two existing wells at the Polo Trace Golf Course have been rehabilitated and connected to the Plant 3 via a new pipeline. Additionally, four existing water supply wells at Plant 1 were abandoned, as that facility would no longer be utilized by PBCWUD.

Upon completion of the design, the contract documents and technical specifications were advertised for competitive bid. On January 16, 1996, the bids were opened. The low bidder for the project was Southeast Drilling Services, Inc. (SDS), a Tampabased well contractor. After the bids and the contractor qualifications were reviewed and confirmed, the project contract was awarded to SDS. Notice to Proceed was issued on May 6, 1996 and construction took place between May 1996 and June 1997.

At Plant 2, two (2) new supply wells were constructed to provide approximately 1,000 gallons per minute (gpm) each to the existing lime softening plant at the facility. The addition of these withdrawals will increase the permitted well capacity of that facility from 14.9 million gallons of water per day (mgd) to 17.9 mgd. At Plant 3, four (4) new raw water supply wells have been constructed at the Southern Region Water Reclamation Facility (SRWRF), located approximately 2 miles to the west of the Plant 3 site. These new supply wells have been constructed each to provide approximately 1,500 gpm to a new membrane softening facility built at the Plant 3. These withdrawals increase the capacity of Plant 3 wellfield from 9.9 mgd to 19.2 mgd.

N				V	\checkmark		\checkmark	\sim	
Treatment Plant	Number of New Supply Wells Constructed	Well Design Capacity (gpm)	Existing Wellfield Capacity (mgd)	Expanded Wellfield Capacity (mgd)	Firm Wellfield Capacity (mgd)	Permitted Avg. Day Allocation (mgd)	Permitted Max. Day Allocation (mgd)	Treated Water Capacity (mgd)	Raw Water Demand (mgd)
No. 3 Lime				kor (6.5	6.84
No. 3 Membrane								<u>8.0</u>	<u>9.41</u>
Total System 3	4	1,500	9.2	6 19.2	17.5	11.43	17.15	14.5	16.25
No. 2 Lime	2	1,000	14.9	4 17.9	16.42	9.32	13.98	14.0	14.73
No. 8 Lime	2	1,000	20.6	13 23.4	23.33	15.94	23.91	16.0	16.84
No. 9 Lime	1 (Replacement)	1,000	21.6	21.6	20.16	8.97	13.45	14.0	14.74

Table 2-1Raw Water Summary for Wellfields 2, 3, 8 and 9

 $|\mathcal{V}|$

At Plant 8, two (2) new raw water wells have been constructed to each provide approximately 1,000 gpm to the lime softening plant at the facility, resulting in an increase in permitted wellfield capacity from 20.6 mgd to 23.4 mgd. At Plant 9, one (1) new supply well was constructed as a replacement to a well that had recently been abandoned.

This report presents the details of the construction, testing, rehabilitation and abandonment of each of the supply wells at the PBCWUD facilities. This report details subsurface hydrogeologic information collected during the new well construction and testing, including data from lithologic samples, geophysical logs, water quality sampling and pumping tests. The report will first review the new supply well construction and testing procedures, then discuss the hydrogeological setting of the PBCWUD service area. A detailed review of the work performed at the individual plants then will be presented.

· •



Section 3 Well Construction and Testing

Prior to the initiation of new supply well drilling, SDS obtained water well construction permits from the SFWMD and the Palm Beach County Public Health Unit (PBCPHU). SDS also obtained well abandonment permits for the wells at Plant 1. Copies of these permits are contained in **Appendix A**. For all of the new supply wells, a similar testing and construction procedure was followed. This procedure is detailed below. Results of the construction and testing program are described in subsequent sections of this report.

PILOT HOLE DRILLING AND TESTING

A nominal 6-inch diameter pilot hole was first drilled at each of the supply well sites by the mud-rotary method to a depth of approximately 200 feet below land surface (bls). During drilling, lithologic samples were collected from the mud circulation system. Lithologic descriptions compiled from the pilot hole samples are contained in **Appendix B**. Upon completion of the pilot hole, each was then geophysically logged by SDS. The geophysical logs consisted of a caliper, natural gamma ray, spontaneous potential, and long/short normal resistivity surveys. Copies of the geophysical logs are presented in **Appendix C**. This information was used in combination with the lithologic information to determine the casing-setting depth for the supply well casings and the length of the screened intervals.

BOREHOLE GEOPHYSICS

The changes in character of the rock and fluids within the drilled boreholes were too subtle for obvious identification of water-bearing zones by field observation. For this reason, geophysical surveys were conducted to augment lithologic information. The logs performed are as follows:

The **caliper log** measures the diameter of the drilled hole, and is an indicator of the hardness, mechanical strength and consolidation of the penetrated formations. This log is also useful in identifying fractures and solution features, which typically enhance the water-bearing properties of subsurface formations.

The **gamma ray log** measures the natural radioactivity of sediments. Typically, clay and phosphate-rich sediments emit higher gamma ray counts than "cleaner" sediments, such as quartz sand and limestone. This log is useful for correlation of formation beds across sites.

The **spontaneous potential log** is a measure of naturally occurring electrical currents (cells) that are created as a result of fluid flow through rocks and along the surface boundaries of geologic formations.

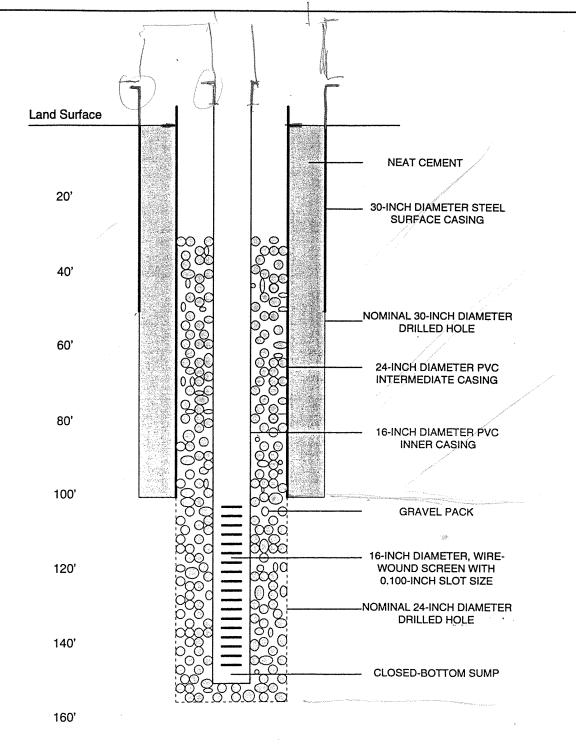
The **long/short normal resistivity log** is a measure of the ability of a geologic formation to transmit (or impede) an induced electric current. The resistivity of a geologic formation is a combination of the matrix material comprising the formation, the amount of porosity within the formation, and the salinity of the water that occupies the pore spaces within the formation. The long/short normal resistivity tool measures the resistivity of the formations at distances of 16 inches and 64 inches away from the borehole.

After completion of the pilot hole drilling, lithologic samples of the production-zone interval were delivered to a geotechnical testing laboratory for sand sieve analysis. Results of the sand sieve analyses are presented in **Appendix D**. This information was used to determine the optimal screen slot and gravel-pack size. Water samples were then collected from the production zone interval through installation of a temporary screen set at the approximate depth of the production zone. The water samples were delivered to an analytical laboratory for analyses for primary and secondary drinking water standards. The laboratory results for the preliminary water samples are presented in **Appendix E**.

SUPPLY WELL CONSTRUCTION

Following the completion of the pilot holes, a 30-inch diameter steel surface casing was vibrated to a depth of approximately 50 feet bls to prevent unconsolidated shallow sediments from caving into subsequently-drilled boreholes. The casing joints were welded. The portion of the surface casing remaining above-ground subsequently served as a support for the pump head assembly installed at each supply well.

A nominal 30-inch diameter borehole was then drilled by the mud rotary method to a depth of approximately 100 feet. A 24-inch outer diameter, Schedule 40 PVC intermediate casing then was cemented into place. After allowing the cement to harden, a nominal 24-inch diameter borehole was drilled by the mud rotary method to a depth of approximately 140 feet. The borehole was then surveyed with a caliper log to assure clearance for the final casing. Copies of the caliper logs are included in Appendix C. A 16-inch diameter Schedule 40 PVC inner casing connected to stainless steel screen were installed and gravel-packed in place. The slot size for each of the well screens was 0.10-inch. The gravel-pack selected for the screened interval was a 1/4 to 1/8-inch diameter quartz sand as provided by Florida Silica Sand, Inc. Figure 3-1 presents a diagram of the generalized construction details of the supply wells. Table 3-



TYPICAL SUPPLY WELL CONSTRUCTION DETAIL



Table 3-1

Construction Details of Wells Palm Beach County Water Utilities Department Wellfield Expansion Project

Location	WTP 1					°P 2
Well No.	1-1	1-4	1-5	1-6	2-14	2-15
Work Performed	Abandonment	Abandonment	Abandonment	Abandonment	Installed	Installed
Diameter (inches)	10	10	10	10	16	16
Total Depth (Feet BLS)	158	177	180	180	125	130
Cased Depth (Feet BLS)	128	137	140	140	80	85
Screen/Open Hole Interval (Feet)	128-158	137-177	140-180	140-180	80-120	85-125
Pumped/Flowed	NA	NA	NA	NA	Р	Р
Pump Type/Horsepower	NA	NA	NA	NA	SUB/50	SUB/50
Intake Depth (Feet BLS)	NA	NA	NA	NA	60	60
Pump Capacity (GPM)	NA	NA	NA	NA	1,000	1,000
Recommended Initial Pumping Rate (gpm)	NA	NA	NA	NA	1,000	1,000
Year Drilled	1975	1976	1976	1976	1996	1996

Table 3-1 Continued

Construction Details of Wells Palm Beach County Water Utilities Department Wellfield Expansion Project

WTP 3									
Location		Trace	SRWRF				WTP 8		WTP 9
Well No.	3-13	3-14	3-15	3-16	3-17	3-18	8-13	8-14	9-1R
Work Performed	Rehabilitation	Rehabilitation	Installed						
Diameter (inches)	12	12	16	16	16	16	16	16	16
Total Depth (Feet BLS)	132	150	145	150	150	150	140	145	135
Cased Depth (Feet BLS)	103	97	100	100	100	100	80	80	90
Screen Interval (Feet)	103-130	97-117 and 132-149	100-140	100-145	100-145	100-145	80-135 (20-140	90-130
Pumped/Flowed	Р	P	Р	Ρ	Р	Р	Р	P	Р
Pump Type/Horsepower	SUB/75	SUB/75	SUB/75	SUB/75	SUB/75	SUB/75	NA	NA	SUB/30
Intake Depth (Feet BLS)	60	60	60	60	60	85	60	60	60
Pump Capacity (GPM)	1,000	1,000	1,000	1,500	1,500	1,500	1,000	1,000	1,000
Recommended Initial Pumping Rate (GPM)	NA	NA	700	1,500	700	1,500	1,000	1,000	700
Year Drilled	1982	1982	1996	1996	1996	1996	1996	1996	1996

4

Note: "BLS signifies "below land surface" "GPM" signifies gallons per minute "NA" signifies "not applicable" Following the installation the supply wells were developed by the air-lift method for approximately 40 hours each. During this development, a 2-inch diameter tremie pipe was raised and lowered throughout the screened interval, while blowing air into the pipe at a surface pressure of approximately 100 pounds per square inch (psi). Subsequent to the air development, the wells were developed by turbine pumping and surging for an additional 40 hours. A 4-hour step-rate pumping test and an 8-hour constant-rate pumping test then was performed on each well. During these tests, water levels within the pumped well were measured, along with sand content and silt density index testing of the water produced during the tests.

A final water sample was collected at the end of each constant-rate pumping test and delivered to an analytical laboratory for analysis of primary and secondary drinking water standards. The laboratory results for the final water samples are contained in **Appendix F.** A plumbness and alignment test was also performed on each well, to insure that pumping equipment could be placed to the required depth and operated correctly.

Each well then was disinfected by circulating chlorinated water until a 500 milligram per liter (mg/L) residual existed in the circulated water. This procedure is in accordance with ANSI/AWWA C654. The wells then were fitted with submersible turbine pumps and surface facilities, including well pads, piping, fencing, and control panels. Well completion reports were subsequently filed at the SFWMD by SDS, copies of which are contained in **Appendix G**, which also includes releases by the PBCPHU. As-built diagrams of the wells, pipelines, controls and instrumentation installed at each water plant are contained in **Appendix H**.

· •

. . .



Section 4 Regional Geology and Hydrogeology

REGIONAL GEOLOGY

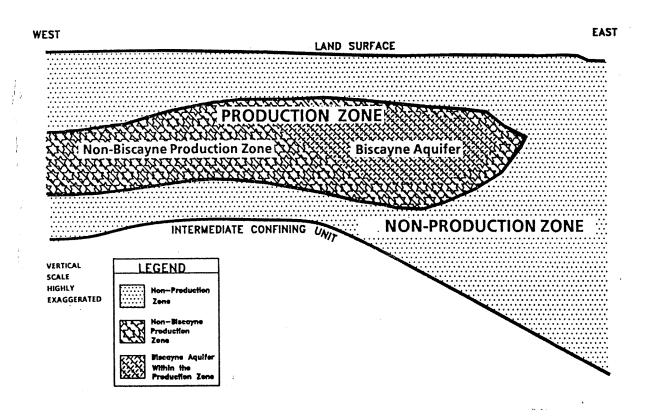
The supply wells constructed during this project were completed in the Surficial Aquifer System of Palm Beach County. The Surficial Aquifer System is the primary source of freshwater for the heavily developed coastal areas of southeastern Florida. **Figure 4-1** presents a generalized hydrogeologic cross section through the Surficial Aquifer System in Palm Beach County.

The sediments comprising the Surficial Aquifer in Palm Beach County are quartz and calcareous sands, sandstone, shells and limestone. These sediments were deposited between one to five million years ago during the Pleistocene and Pliocene epochs. The entire stratigraphic sequence in eastern Palm Beach County is composed (progressing from land surface downward) of the Pamlico Formation, the Anastasia Formation and the Tamiami Formation. These sediments combine to form a thickness of between 150 to 250 feet throughout most of the County.

The Pamlico Formation is typically comprised of fine to medium-grained, unconsolidated quartz sands with occasional shell beds. This formation is occasionally silty, or contains muck, resulting in the formation of wetlands. The Anastasia Formation is typically a coquina to a sandy limestone, with varying amounts of shell and quartz sand. Solution cavities are common in the coquina and limestone intervals. These solution zones form some of the most productive intervals of the Surficial Aquifer System (Shine and others, 1989). Lying below the Anastasia Formation, the Tamiami Formation is typically comprised of a looselyconsolidated sandy, shelly limestone.

HYDROGEOLOGY

The Surficial Aquifer System has been defined as an unconfined, or water-table aquifer. It is recharged by rainfall (about 60 inches per year in south Florida) and from surface water bodies such as canals (typically held at elevations above the local water level) and lakes (Klein, 1978). The water table is typically found a few feet below land surface to a few tens of feet below land surface, depending on land surface elevation and adjacent pumpage.



CONCEPTUAL CROSS SECTION OF THE SURFICIAL AQUIFER SYSTEM IN EASTERN PALM BEACH COUNTY

Source: Shine and Others, 1989

MONTGOMERY WATSON

FIGURE 4-1



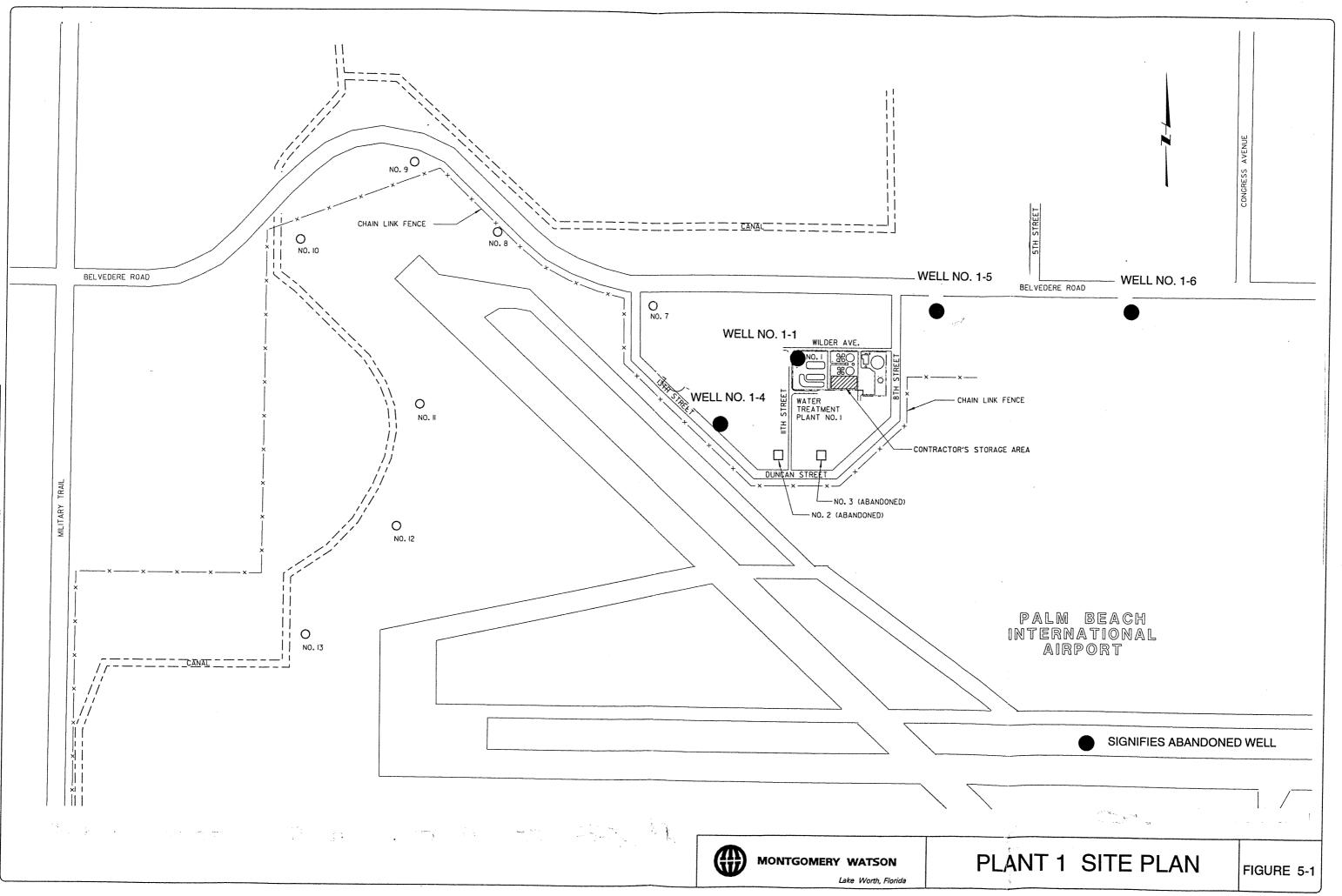
WELL ABANDONMENT

As part of the overall PBCWUD system expansion, Plant 1 is being abandoned. Therefore, water supply from the wells at the plant would no longer be needed. Four of the wells (Well 1-1, 1-4, 1-5 and 1-6) have been abandoned as part of this project. The locations of Plant 1 and the subject wells are presented on the site plan shown on **Figure 5-1**. Well construction details are presented in **Table 5-1**.

Well No.	Casing Depth (feet)	Screened Length (feet)	Total Depth (feet)	Casing Diameter (inches)
1-1	128	30	158	10
1-4	137	40	177	10
1-5	140	40	180	10
1-6	140	40	180	10

Table 5-1Plant 1 Well Construction Details

To accomplish the well abandonment at Plant 1, above-ground piping at each of the wells was first removed and disposed of by SDS. The well pumps, column pipe, motors, and control panels were removed and delivered to PBCWUD. Each well was then filled with clean, washed gravel to ten feet above the screens by emplacement through a tremie pipe. A one-foot-thick, fine-grained sand pack then was emplaced on top of the gravel. The depth of the sand and gravel was confirmed by physically tagging the materials with a wire line. Each well was then filled with neat cement, emplaced by the tremie method, in accordance with SFWMD water well construction and abandonment regulations, Chapter 40E-3. The well pads were then broken up and removed. The well casings were cut to 6 feet below existing grade and the area around each of the wells was re-graded, compacted and landscaped. Well completion reports for the Plant 1 well abandonments are contained in **Appendix G**.





Section 6 Plant 2 - Wells No. 2-14 and No. 2-15

The work at Plant 2 consisted of installation and testing of 2 new supply wells, including surface completions. **Figure 6-1** presents a site plan.

LOCAL GEOLOGIC CONDITIONS

From land surface to a depth of approximately 50 feet, sediments at Plant 2 are comprised of fine grained unconsolidated white to tan-colored sand and shell. This sedimentary section represents the Pamlico Sand. Near the depth of about 60 feet, fragments of limestone are present, and the sediments become cemented. At a depth of about 80 feet, a hard, sandy limestone is present, representing the Anastasia Formation. The limestone is characterized as a medium to dark-gray colored bioclastic wackestone with occasional recrystalization and secondary (vuggy) porosity. This limestone was present to a depth of approximately 200 feet, however, at depth of a approximately 130 feet bls, and below, the formation contained a minor amount of sand and shell

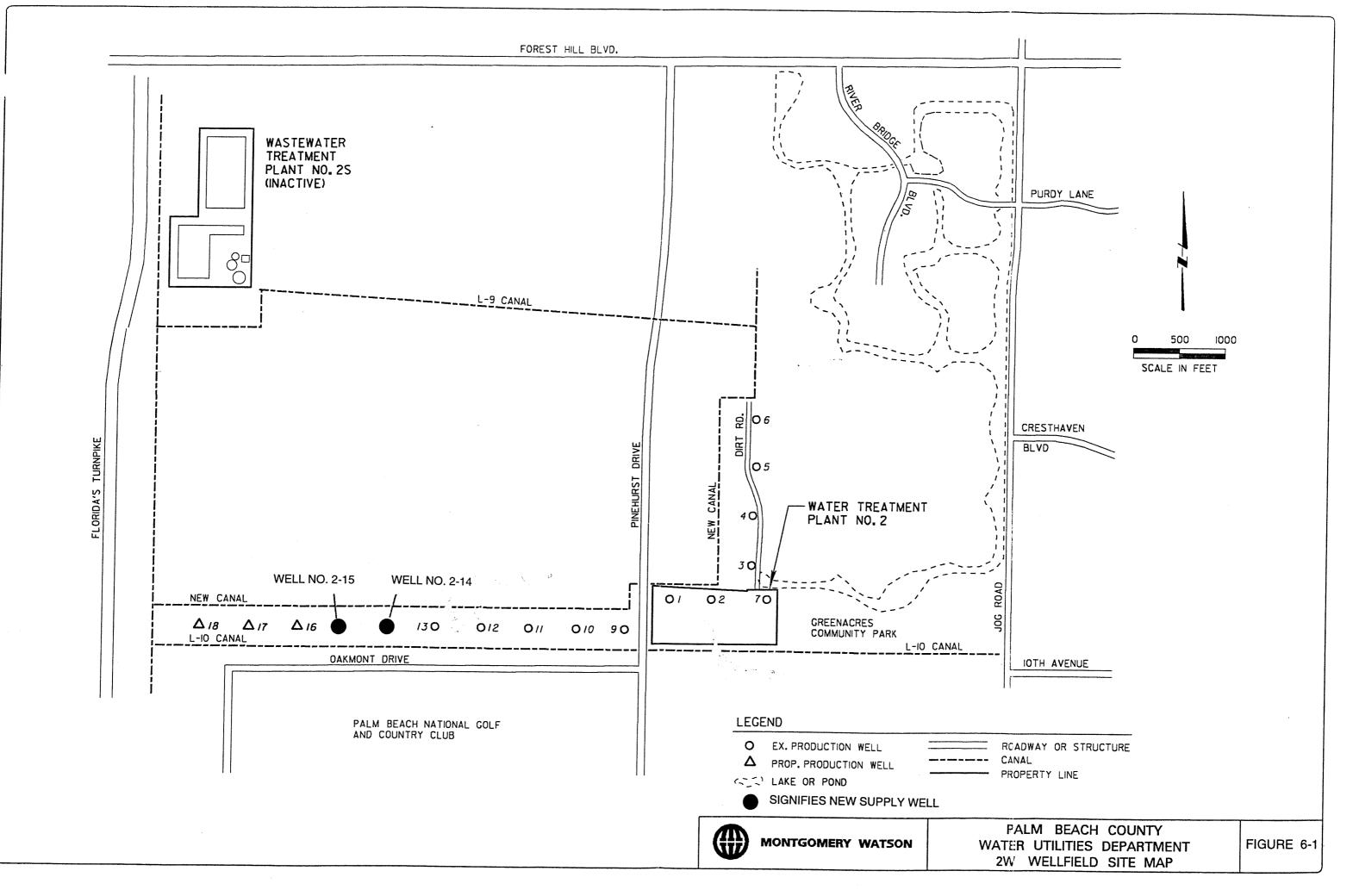
GEOPHYSICAL INTERPRETATION

The caliper logs from Wells No. 2-14 and No. 2-15 at Plant 2 indicated relatively narrow-gauge holes penetrated to depths of about 80 feet. Below this depth, the boreholes became "washed out" and more rugose. Between 90 feet and 140 feet bls, particularly large hole diameters were observed, indicative of solution-enhanced and possibly fractured formation.

The resistivity logs indicated that highly resistive formation material between 80 feet and 130 feet bls. Below these depths, resistivities decreased, indicating that harder, tighter formations existed and that water salinity might be higher. This information, together with the lithologic samples, was utilized to set the well screen between 80 feet and 120 feet bls at Well No. 2-14, and between 85 feet and 125 feet bls at Well No. 2-15.

WELL YIELDS

Wells No. 2-14 and No. 2-15 yielded significant quantities of water after just a few days of air-lift and pumping development. The static (non-pumping) water levels within both of the wells was about 3 feet below land surface during September 1996. Upon completion of development, a four-hour step-rate pumping test was conducted on each well. During these tests, each well was pumped at four consecutively higher rates for a one-hour period per rate. After the pumping



one-hour period per rate. After the pumping portion of the test, the water level was monitored for a two-hour recovery period. **Table 6-1** summarizes the water level, drawdown, specific capacity, silt density and sand content data collected from Wells No. 2-14 and No. 2-15 during the step-rate pumping tests.

Well No.	Date	Static Water Level (fbtoc)	Pumpin g Rate (gpm)	Pumpin g Water Level (fbtoc)	Draw- down (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Silt Density Index Values
2-14	10-21-96	4.51	1000	5.48	0.97	1030	<1	4.2
			2000	6.98	2.47	810	1.5	4.9
			3000	11.03	6.52	460	2.5	5.5
			3500	11.23	6.72	520	25	5.9
2-15	9-14-96	4.27	570	6.24	1.52	375	<1	5.7
			1000	6.97	2.25	444	1.0	4.4
			2000	10.54	5.82	344	3.5	5.6
			3000	17.22	12.5	240	40	5.6

Table 6-1					
Plant 2	Step-Rate Pumping Test Data				

fbtoc - feet below top of casing gpm - gallons per minute gpm/ft - gallons per minute per foot of drawdown ppm - parts per million

An 8-hour constant-rate pumping test then was performed on Wells No. 2-14 and No. 2-15. The pumping rate for each of the tests was 1,000 gpm, which represented the desired design rate for both of the wells. During the tests, water levels in the pumped well were monitored. The drawdown data was plotted on semi-log paper and the Jacob (1944) method of analysis was performed to estimate aquifer transmissivity at each well. **Table 6-2** presents a summary of the information and results of the transmissivity analysis from the constant-rate pumping tests.

Based on the water level and water quality data collected from the step-rate and constant-rate pumping tests, both wells were fitted with submersible pumps set at depths of 60 feet bls, designed to pump at a rate of 1,000 gpm per well. The high specific capacities exhibited by these wells may afford the PBCWUD with the ability to increase pumpages to up to 1,500 gpm in the future, should additional water be desired at this facility. Additional groundwater modeling may be required to support an increase in withdrawals from these wells.

Well	Date	Pumping Rate (gpm)	Maximum Drawdown (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Apparent Transmissivity (gpd/ft)
2-14	10/22/9 7	1,000	0.98	1,000	<1	2,640,000
2-15	9/14/97	1,000	2.36	423	<1	1,320,000

Table 6-2Plant 2 Constant-Rate Pumping Test Data

gpd/ft - gallons per day per foot

WATER QUALITY

Upon completion of the pumping portion of the constant-rate pumping tests, a water sample was collected from each of the wells and analyzed for all primary and secondary drinking water standard constituents. Water from both wells did not exceed any of the federal primary drinking water standards or secondary standard constituents, with the exception of color. Additionally, water collected from the wells did not contain concentrations of pesticides, PCBs, trihalomethanes or unregulated compounds exceeding drinking water standards. The laboratory analyses sheets are contained in **Appendix F** and a summary of the analyses is presented in **Table 6-3**.

Constituent	Well No. 2-14	Well No. 2-15
Chloride (mg/L)	38	38
Color (units)	60	50
pH (units)	7.7	7.4
Iron (mg/L)	0.146	0.140
Odor (units)	1	1
Sulfate (mg/L)	6.7	5.7
Sodium (mg/L)	21.4	21.2
Total Dissolved Solids (mg/L)	408	407
Total Pesticides/PCBs (ug/L)	bdl	bdl
Total THMs (ug/L)	bdl	bdl
Total Unregulateds (ug/L)	bdl	bdl
Total VOAs (ug/L)	bdl	bdl

Table 6-3 Water Quality Summary at Plant 2

"mg/L" signifies milligrams per liter

"ug/L" signifies micrograms per liter

. . .



Section 7 Plant 3 Well Construction, Testing, and Rehabilitation

The work at the Plant 3 consisted of installation and testing of 4 new supply wells at the SRWRF including surface completions, and connection of the new wells to the Plant 3 WTP via 2 separate 12" and 16" raw water pipelines. The Plant 3 work also included the rehabilitation of 2 exist supply wells at the Polo Trace Golf Course. **Figure 7-1** presents a site plan of the SRWRF.

SRWRF WELL CONSTRUCTION

Local Geologic Conditions

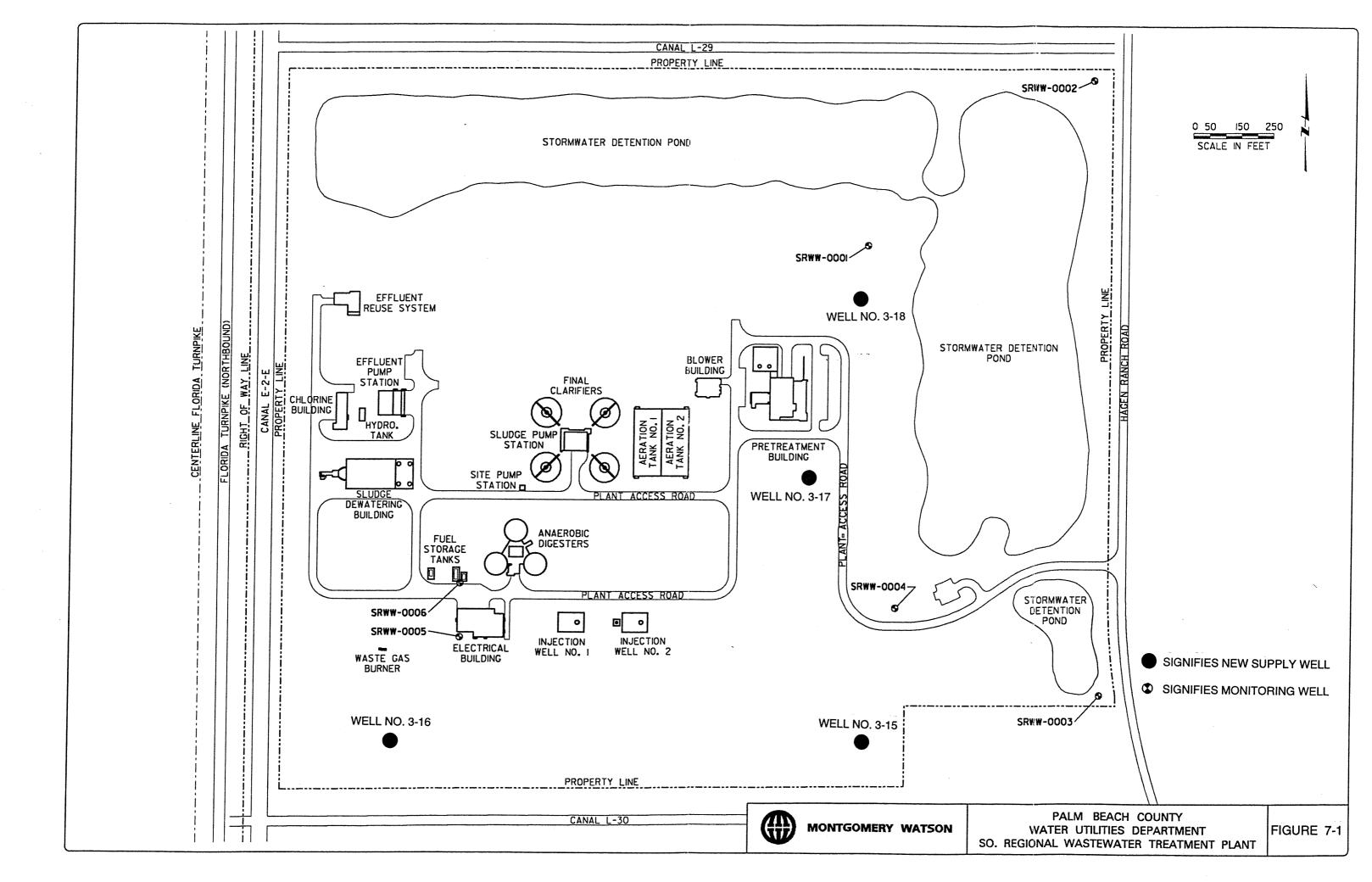
From land surface to approximately 98 feet below land surface, the sediments at the SRWRF are comprised of soft, fine to medium-grained, brown-colored sand. This sedimentary section represents the Pamlico Sand. Near a depth of approximately 98 feet bls, a hard, sandy limestone is present, representing the Anastasia Formation. This limestone is medium to dark-gray colored, and has numerous shell clasts and secondary, solution-filling calcite crystals. This limestone is present to a depth of at least 200 feet bls.

Geophysical Interpretation

The caliper logs from the wells at the SRWRF indicated widely variable hole diameters to depths of about 100 feet bls. This response is probably indicative of thinly bedded, alternating layers of hard and soft sandy strata. Below the depth of 100 feet bls, to a depth of at least 200 feet bls, the caliper logs indicated more uniform, narrow-gauge hole diameters, indicating relatively hard, dense strata.

The resistivity logs indicated low resistivity material to depths of approximately 100 feet bls, indicative of soft formational material. Between the depths of 100 feet bls to 140 feet bls, resistivities increased, indicating harder, water-yielding formation material. Below the depth of 140 feet bls, resistivities again decreased, indicating softer, shelly formational material, containing water with potentially higher salinity.

This geophysical information, in combination with the collected lithologic samples, was utilized to set the well screens between 100 feet to 140 feet bls at Well No. 3-15; 100 feet to 145 feet bls at Well No. 3-16; 100 feet to 145 feet bls at Well No. 3-17; and 100 feet to 145 feet bls at Well No. 3-18.



WELL YIELDS

The wells at the SRWRF yielded widely variable amounts of water during development and testing. The static water levels in the wells were approximately 7 feet to 9 feet bls during September through December 1996.

WELL NO. 3-15

Well No. 3-15 produced water at rates between 500 gpm to 2,000 gpm for short periods of time during air-lift development. During pumping development at the desired flow rate of 1,500 gpm, the water level in the well declined to near 90 feet bls, which was considered excessive (the top of the well screen was set at 100 feet bls). The well exhibited a specific capacity of approximately 20 gallons per minute per foot of drawdown (gpm/ft) at a rate of 1,000 gpm.

Acidization

To increase the specific capacity Well No. 3-15, an acidization was performed on November 12, 1996. For the acidization, 990 gallons of 19% muriatic acid were pumped through a perforated pipe installed in the screened interval of the well (from 100 feet bls to 140 feet bls). After the acid was emplaced, approximately 1,000 gallons of fresh water then were pumped into the tremie pipe to force the acid through the gravel pack and into the formation. The wellhead then shut in for a one-hour period. Following the shut-in period, another 1,000 gallons of fresh water were pumped into the well, which was then shut in overnight. The following day, the spent acid was neutralized and pumped out of the well and pumping development resumed. The acidization had the effect of increasing the specific capacity of the well by approximately 25%, from 20 gpm/ft to approximately 25 gpm/ft when the well was pumped at a rate of approximately 1,000 gpm.

A four-hour step-rate pumping test was performed on Well No. 3-15 on November 25, 1996 at rates from 700 gpm to 1,500 gpm. **Table 7-1** presents the water-level and water quality data collected during the step-rate pumping test.

Static Water Level (fbls)	Pumping Rate (gpm)	Pumping Water Level (fbls)	Drawdown (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Silt Density Index Values
9.11	0					
	700	36.64	27.53	25	7	4.21
	1,000	48.23	39.12	25	8	3.90
	1,200	60.98	51.87	23	6	3.56
	1,500	>80.00	>70.89	<21	10	3.67

Table 7-1Plant 3, Well No. 3-15 Step-Rate Pumping Test Data

The water level and sand content data collected during the step-rate pumping test indicated that the desired flow rate of 1,500 gpm would not be attainable in Well No. 3-15, and that concentrations of sand were still above the desired criteria of 5 ppm at lower pumping rates. Additional development then took place over the next two days. Multiple constant-rate pumping tests were performed during this period, to assess the development progress, therefore, a final 8-hour constant-rate pumping test was not performed on the well. During a 3-hour "startup" test on the well at a rate of 700 gpm, water from the well contained a sand concentration of 2 ppm after 3 hours of pumping. During a similar startup test at a rate of 900 gpm, the water from the well contained a sand concentration of 3.5 ppm after 3 hours of pumping.

Based upon the sand content data collected during the development and pump testing, the well was fitted with a submersible turbine pump set at a depth of 60 feet bls. The initial flow rate for Well No. 3-15 was set at 700 gpm, but can be increased to 900 gpm if sand content decreases during well operation.

WELL NO. 3-16

Development of Well No. 3-16 by air-lift and pump surging took place at rate of between 700 gpm to 3,000 gpm. During this time, the well exhibited specific capacities of between 60 gpm/ft to 80 gpm/ft. During pump development at the desired design rate of 1,500 gpm, sand content testing indicated a decline from an initial concentration of 23 ppm to 5 ppm over a 4-day period. A step-rate pumping test was conducted on Well No. 3-16 on August 19, 1996. **Table 7-2** summarizes the water-level and water quality data collected during the step-rate pumping test.

Static Water Level (fbls)	Pumping Rate (gpm)	Pumping Water Level (fbls)	Drawdown (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Silt Density Index Values
6.80	0					
	800	15.75	8.95	89	4	4.01
	1,500	23.35	16.55	90	24	5.67
	2,000	35.74	28.94	69	47	4.89
	2 <i>,</i> 500	50.50	43.70	57	60	4.42

Table 7-2 Plant 3, Well No. 3-16 Step-Rate Pumping Test Data

The water-level information collected during the step-rate pumping test indicated that Well No. 3-16 would yield water at the desired design flow of 1,500 gpm, however, the sand content data indicated that concentrations of sand were in excess of the design criteria. A constant-rate pumping test was conducted on the following day (August 20, 1996) at a rate of 2,000 (in excess of the desired 1,500 flow rate) in an effort to provide further development of the well and removal of sand. **Table 7-3** presents the information collected during the constant-rate pumping test.

Table 7-3Plant 3, Well No. 3-16 Constant-Rate Pumping Test Data

Well No.	Date	Pumping Rate (gpm)	Maximum Drawdown (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Apparent Transmissivity (gpd/ft)
3-16	8/20/96	2,000	28.90	69	30	151,400

The sand content testing data collected during the 8-hour constant rate pumping test indicated that further development of the well would be necessary to provide assurances that water from the well would contain acceptable sand concentrations. An additional six days of pump surging at a rate of approximately 2,500 gpm was subsequently conducted on the well during early December 1996. During this period, brief (1 to 6-hour duration) "start-up" tests at the desired flow rate of 1,500 gpm were conducted to assess the progress of development. By the sixth day of development, water from Well No. 3-16 yielded a sand content of less than 3 ppm during pumpage at a rate of 1,500 gpm after stable conditions had been achieved. Based on the water-level and water quality collected during the pumping development and testing, Well No. 3-16 was fitted with a submersible turbine pump set at a depth of 60 feet bls. The design rate of the pump was 1,500 gpm.

WELL NO. 3-17

Development of Well No. 3-17 by air-lift and pump surging took place at rates of between 500 gpm and 2,500 gpm. During the first day of development with the test pump in the well, water contained a sand concentration of approximately 2 ppm to 7 ppm during pumpage at the desired rate of 1,500 gpm. Pump surging at rates of approximately 2,500 gpm continued until February 15, 1997, when a step-rate pumping test was conducted. **Table 7-4** summarizes the water-level and water quality data collected during the step-rate pumping test.

Static Water Level (fbls)	Pumping Rate (gpm)	Pumping Water Level (fbls)	Drawdown (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Silt Density Index Values
9.53	0					
	500	17.35	7.82	64	10	3.53
	1,000	25.81	16.28	61	33	3.24
	1,500	35.38	25.85	58	7	3.33
	2 <i>,</i> 500	57.99	48.46	51	7	3.59

Table 7-4Plant 3, Well No. 3-17 Step-Rate Pumping Test Data

During the step-rate pumping test, sand concentrations (particularly at lower pumping-step rates) were relatively high. This was attributed to a "pulse" of sand that may have become dislodged during adjustment of the test pump to successively higher rates. As the test proceeded to higher pumping rates, the sand content decreased, indicating that development was continuing, and that the dislodged sand was being removed from the well. Based on this interpretation, the 8-hour constant-rate pumping test proceeded on the following day (February 16, 1997), at the desired design rate of 1,500 gpm. **Table 7-5** presents a summary of the water-level, water quality and aquifer transmissivity information collected during the constant-rate pumping test.

Well No.	Date	Pumping Rate (gpm)	Maximum Drawdown (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Apparent Transmissivity (gpd/ft)
3-17	2/16/97	1,500	25.24	59	1	165,000

Table 7-5 Plant 3, Well No. 3-17 Constant-Rate Pumping Test Data

Based on the water-level and water quality data collected during the development and pumping tests, Well No. 3-17 was fitted with a submersible turbine pump set at a depth of 60 feet bls, designed to pump at a rate of 1,500 gpm. Because the sand content in water from this well was somewhat variable during the step-rate pumping test, the initial pumping rate should initially be set at approximately 700 gpm, until stable conditions are achieved. The pumping rate for this well should increase through time to the design rate of 1,500 gpm.

WELL NO. 3-18

Development of Well No. 3-18 by air-lift and pump surging took place over approximately 8 days at rates of between 500 gpm and 2,000 gpm. During the first few days of development with the test pump, water contained a sand concentration of approximately 31 ppm to 11 ppm during pumpage at the desired rate of 1,500 gpm. The specific capacity of the well during this period was approximately 45 gpm/ft, with a pumping water level of approximately 50 feet below land surface. Pump surging at rates of approximately 2,000 gpm continued until September 4, 1996, when a step-rate pumping test was conducted. **Table 7-6** summarizes the waterlevel and water quality data collected during the step-rate pumping test.

Static Water Level (fbls)	Pumping Rate (gpm)	Pumping Water Level (fbls)	Drawdown (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Silt Density Index Values
9.64	0					
	500	17.94	8.30	60	4.5	5.6
	1,000	30.30	20.66	48	50	6.3
	1,500	49.05	39.41	38	25	4.8
	2,000	69.68	60.04	33	10	5.8

Table 7-6Plant 3, Well No. 3-18 Step-Rate Pumping Test Data

During the step-rate pumping test, sand concentrations increased as the pumping rate was adjusted to 1,000 gpm, then decreased at successively higher pumping rates. This was also attributed to a "pulse" of sand that could have become dislodged during adjustment of the test pump. As the test proceeded, the sand content decreased, indicating that development was continuing, and that the dislodged sand was being removed from the well. Based on this interpretation, the 8-hour constant-rate pumping test proceeded on September 6, 1996, at the desired design rate of 1,500 gpm. Table 7-7 presents a summary of the water-level, water quality and aquifer transmissivity information collected during the constant-rate pumping test.

Well No.	Date	Pumping Rate (gpm)	Maximum Drawdown (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Apparent Transmissivity (gpd/ft)
3-18	9/6/97	1,500	55.96	27	1.6	100,000

Table 7-7 Plant 3, Well No. 3-18 Constant-Rate Pumping Test Data

Based on the water-level and water quality data collected during the development and pumping tests, Well No. 3-18 was fitted with a submersible turbine pump set at a depth of 75 feet bls, designed to pump at a rate of 1,500 gpm.

WATER QUALITY

Upon completion of the pumping portion of the final pumping tests, a water sample was collected from each of the new supply wells at the SRWRF and analyzed for all primary and secondary drinking water standard constituents. The analyses sheets are contained in **Appendix F** and a summary of the results is presented in **Table 7-8**. Water from the wells did not contain concentrations of any primary drinking water constituents that were above established maximum allowable concentrations. Water from the wells consistently exceeded the secondary standard for color. Concentrations of all pesticides, PCBs, trihalomethanes, unregulated compounds and volatile organic aromatic compounds were below detection limits in water from all of the wells.

Constituent	Well No. 3-15	Well No. 3-16	Well No. 3-17	Well No. 3-18
Chloride (mg/L)	38.3	50	46.8	0.038
Color (units)	40	50	30	40
Odor (units)	1	2	1	1
pH (units)	7.2	7.7	7.2	7.5
Iron (mg/L)	0.026	0.041	0.060	0.010
Sulfate (mg/L)	2	276	7	2
Sodium (mg/L)	19.7	29	21.2	19.2
Total Dissolved Solids (mg/L)	279	193	355	319
Total Pesticides/PCBs (ug/L0	bdl	bdl	bdl	bdl
Total THMs (ug/L)	bdl	bdl	bdl	bdl
Total Unregulateds (ug/L)	bdl	bdl	bdl	bdl
Total VOAs (ug/L)	bdl	bdl	bdl	bdl

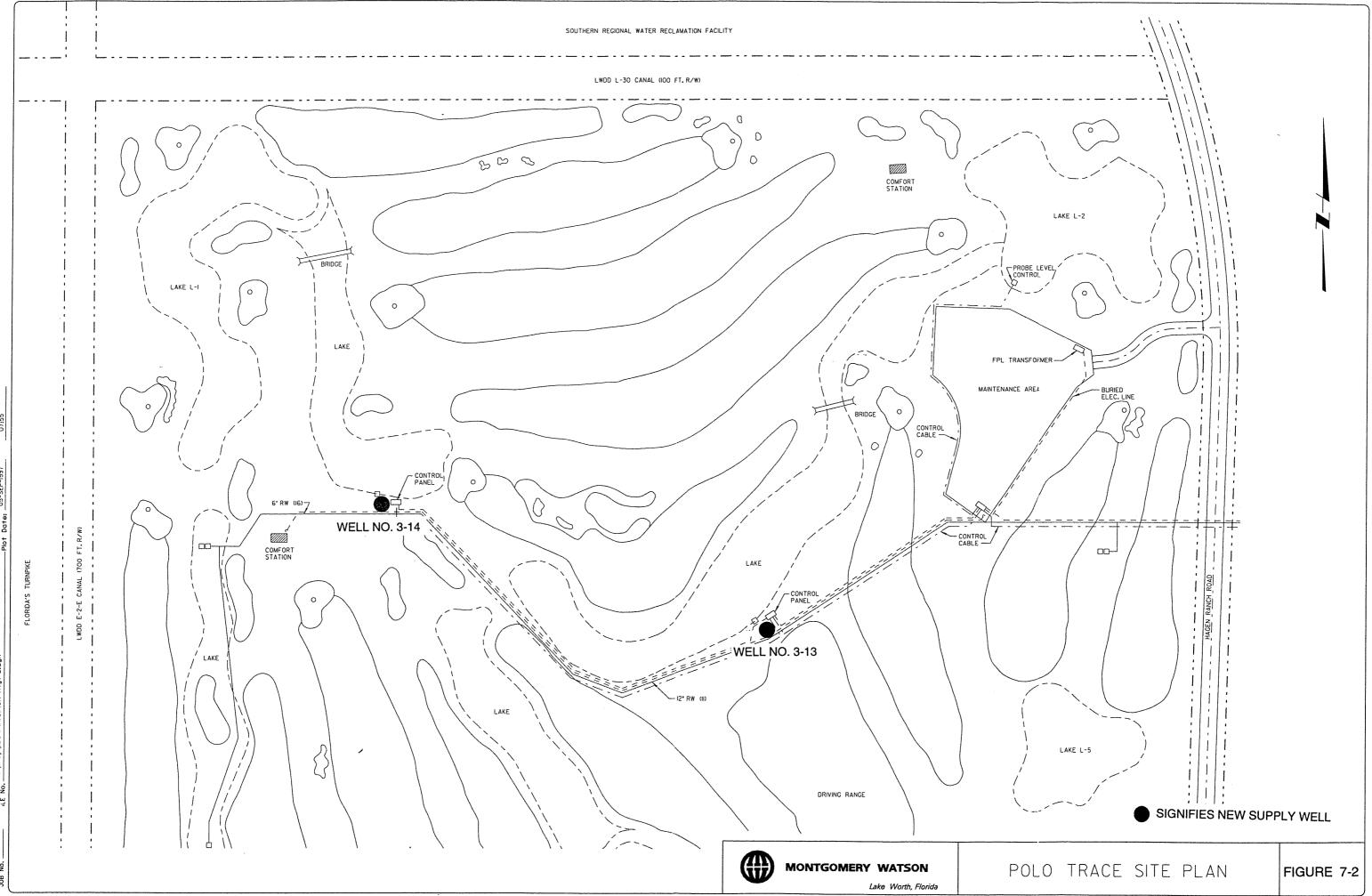
Table 7-8Water Quality Summary at Plant 3

EFFLUENT DISCHARGE MONITORING PLAN

Two of the supply wells constructed at the SRWRF (Nos. 3-17 and 3-18) are located within 500 feet of the on-site retention ponds. The ponds are also used for disposal of secondarily-treated effluent in the event of an unforeseen emergency, or during mechanical integrity testing of the injection wells at the SRWRF which occurs every 5 years. In the event of an emergency discharge to the retention ponds, withdrawals from well No. 3-17 and No. 3-18 should be discontinued. Seven days after the cessation of the emergency discharge, the supply wells should be re-disinfected, then a bacteriological clearance should be performed. Upon return of the supply wells to service, monitor wells SSRW-0001 and SSRW-0004 at the SRWRF (shown on Figure 7-1) should be sampled daily for fecal coliforms for a period of 30 days. Should coliform concentrations exceed the maximum concentration specified in Chapter 62-550.310 of the Florida Administrative Code, then PBCWUD should perform another disinfection of wells No. 3-17 and No. 3-18 and repeat the clearance procedure and the 30-day monitoring period, as necessary.

POLO TRACE WELL REHABILITATIONS

The work at the Polo Trace Golf Course consisted of evaluating and rehabilitating 2 existing wells (Wells No. 3-13 and No. 3-14) and connecting them to the Plant 3 WTP raw water piping. Included in this work was installing new pumps, instrumentation and controls for the wells, and obtaining bacteriological clearance for the wells and pipeline once they were connected. **Figure 7-2** presents a site plan of the Polo Trace Golf Course.



ot Date: 05-SEP-1997

JE No hitprojtpbc/rwwell/clv/flg7-5

VIDEO ASSESSMENT

Video surveys were first performed on each of the supply wells at Polo Trace to determine the appropriate rehabilitation measures. The video survey on Well No. 3W-13 took place on March 6, 1997. The survey indicated that the 12-inch diameter well casing was undamaged, intact and extended to a depth of 103 feet bls. Some organic slime (scale) appeared to have developed along interior of the casing. The well screen extended from 103 feet bls to 130 feet bls, and appeared to be clean and in good condition. A length of electrical wire was found to be lying on the bottom of the well, at a depth of 132 feet bls, within a closed sump below the screen. Some soft sediment was also observed on the bottom of the well.

The video survey on Well No. 3-14 took place on July 14, 1996. The survey indicated that the 12-inch diameter well casing was undamaged, intact and extended to a depth of 97 feet bls. Some organic slime had developed along the interior of the well casing. The well screen extended from 97 feet bls to 117 feet bls and from 132 feet bls to 149 feet bls. Between the depths of 117 feet bls and 132 feet bls was a "blank" section of well casing. The well screen appeared to be clean and in good condition. Some soft sediment appeared to have accumulated on the bottom of the well.

WELL CLEANING AND CHEMICAL TREATMENT

Based on the observations and analysis of the video surveys, it was recommended that the interior of the wells be mechanically brushed with a soft wire brush and subjected to a high-level disinfection treatment. The electrical wire found in Well No. 3W-13 was also removed. After brushing, the wells were air developed, to remove the loose debris. Upon completion of the development, a 500 mg/L solution of sodium hypochlorite was circulated into each well until a 250 mg/L chlorine residual was maintained. After establishing the desired chlorine residual concentration, each well was allowed to remain undisturbed for a minimum 18-hour period. The chlorine solution then was pumped out of each well.

POST-REHABILITATION TESTING

Upon completion of the well cleaning and chemical treatment, new 10-inch diameter pumps were installed in the wells, to depths of sixty feet bls. The pumps would be capable of withdrawing approximately 1,000 gpm from each well. Upon completion of the installation of the pumps and associated electrical control instrumentation, a brief (30-minute) wire-to-water pump efficiency and specific capacity test was performed on each well. **Table 7-9** present summaries of the information collected during the wire-to-water pumping tests.

	:	•
	Table 7-9	
Summary of	Wire to Water Pumping tests at Wells No. 3-13 an	nd 3-14

Well No 3-13

Static Water Level Feet bls	Discharge Rate gpm	Pumping Water Level feet bls	Specific Capacity gpm/ft	Discharge Pressure	Total Dynamic Head	Average AMPS on 3 Legs		Pump Efficiency	Wire to Water Efficiency
3.6	300	5.4	166	89	208	57	82	67	55
	500	7.2	139	79	187	57	82	67	55
	750	10	117	64	155	57.6	85	75	64
	1,000	12.8	108	54	134	60.5	85	80	68

Well No. 3-14

Static Water Level Feet bls	Discharge Rate gpm	Pumping Water Level feet bls	Specific Capacity gpm/ft	Discharge Pressure	Total Dynamic Head	Average AMPS on 3 Legs	Motor Efficiency	Pump Efficiency	Wire to Water Efficiency
5.3	300	14.4	33	86	209	59	87	67	58
	500	21.2	31	72	183	58	86	67	58
	750	30	30	54	150	58	85	75	64
	1,000	38.6	30	44	136	61	85	80	68

1

.

WATER QUALITY

Upon completion of the pumping portion of the pumping tests, a water sample was collected from each well and analyzed for all primary and secondary drinking water standard constituents. The analyses sheets are contained in **Appendix G** and a summary of these results is presented in **Table 7-10**. Water from both of the wells did not contain concentrations of any primary drinking water standards above established maximum allowable concentrations. Water collected from each well did not exceed secondary standards, with the exception of color. Concentrations of all pesticides, PCBs, trihalomethanes, unregulated and volatile organic aromatic compounds were all below detection limits in water collected from both wells.

Constituent	Well No. 3-13	Well No. 3-14
Chloride (mg/L)	62	60
Color (units)	60	60
Odor (units)	1	2
pH (units)	7.2	7.4
Iron (mg/L)	0.041	0.034
Sulfate (mg/L)	8	5
Sodium (mg/L)	40.5	35.9
Total Dissolved Solids (mg/L)	420	398
Total Pesticides/PCBs (ug/L)	bdl	bdl
Total THMs (ug/L)	bdl	bdl
Total Unregulateds (ug/L)	bdl	bdl
Total VOAs (ug/L)	bdl	bdl

Table 7-10Water Quality Summary at Plant 3 - Polo Trace

Section 8



MONTGOWERY WATSON

Section 8 Plant 8 - Wells No. 8-13 and No. 8-14 Construction And Testing

The work at Plant 8 consisted of installation and testing of 2 new supply wells, including surface completions. A site plan is presented in **Figure 8-1**.

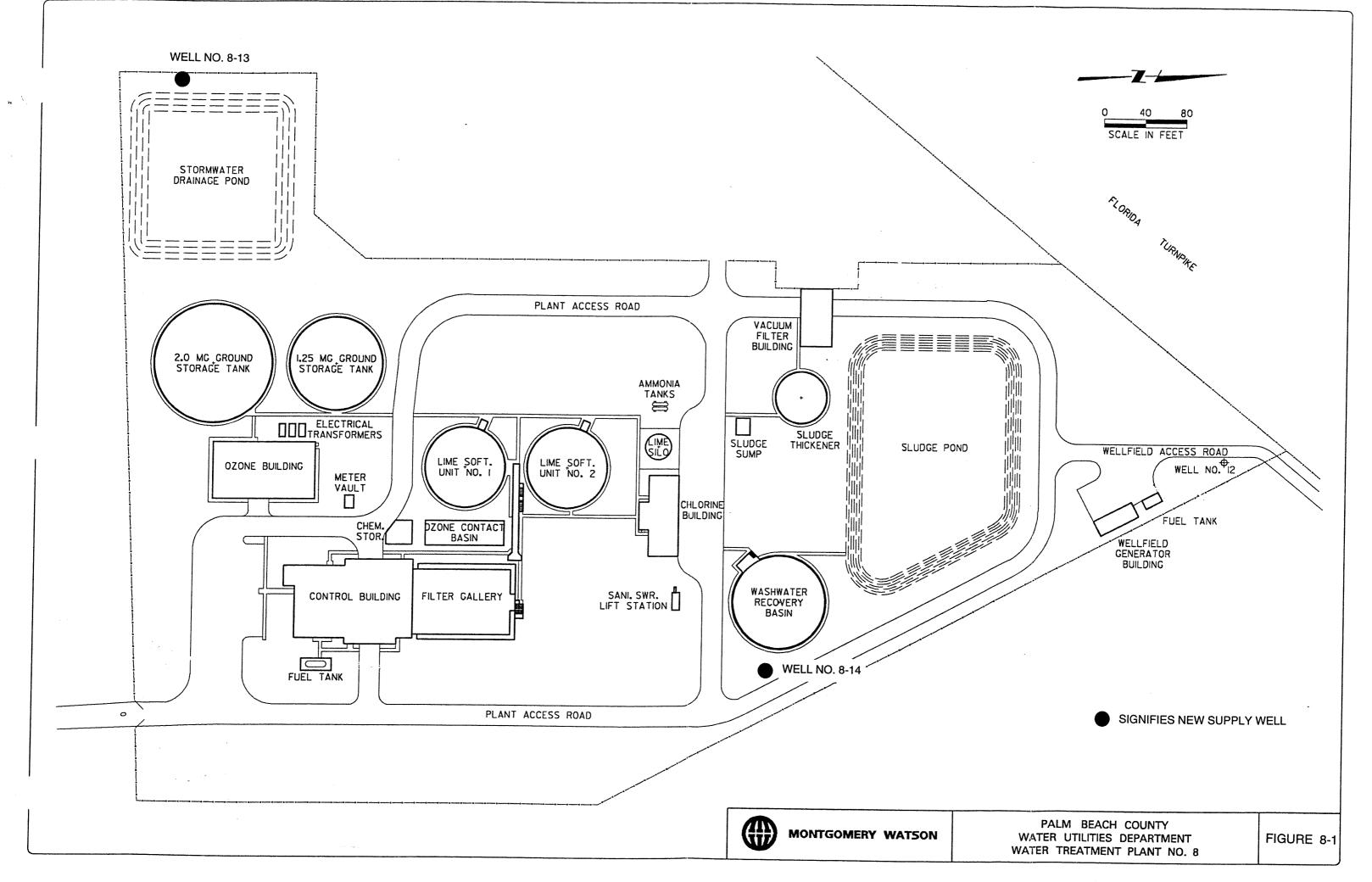
LOCAL GEOLOGIC CONDITIONS

From land surface to a depth of approximately 55 feet bls, sediments are comprised of medium-grained, brown and tan-colored shelly sand. This sedimentary section represents the Pamlico Sand. At a depth of 55 feet bls, fragments of moderately cemented, light gray and tan-colored limestone are present, representing the top of the Anastasia Formation. At a depth of approximately 120 feet bls, the limestone becomes dark gray-colored and well cemented. At a depth of approximately 170 feet bls, the limestone becomes shelly and less well-cemented.

GEOPHYSICAL INTERPRETATION

The caliper logs from Wells 8-13 and 8-14 indicated relatively washed-out (large) borehole diameters to depths of approximately 50 feet bls. This response is probably indicative of the soft, unconsolidated sands comprising this interval. Between the depths of 50 feet bls to 110 feet bls, the caliper log indicated that the boreholes were more narrow-gauged, with occasional wash-out zones. Between the depths of 110 feet bls to 140 feet bls, the boreholes again became larger, probably indicating softer formation material. Below the depth of 140 feet bls, the caliper log indicated more narrow-gauged holes, again indicating harder formation materials.

The resistivity logs from Wells 8-13 and 8-14 indicated relatively low resistivities from land surface to a depth of approximately 70 feet bls, reflecting softer formation materials. Between the depths of 70 feet bls to 140 feet bls, resistivities increased as a result of more consolidated formation materials. Below the depth of 140 feet bls, resistivities again decreased, as a result of softer (shelly) formation materials. Based upon this review, in combination with the lithologic information, the screen for Well 8-13 was set from 80 feet bls to 135 feet bls. The screen for Well 8-14 was set from 80 feet bls.



WELL YIELDS

Development of Wells 8-13 and 8-14 by air-lift and pump surging took approximately 7 days per well. The static water level in Well 8-13 during March 1997 was approximately 9.3 feet bls. The static water level in Well 8-14 during November 1996 was 10.3 feet bls. Upon completion of development, a four-hour step-rate pumping test was conducted on each well. Pumping rates for the step-rate pumping tests ranged from 500 gpm to up to 3,300 gpm. Water-level, drawdown and water quality data collected during the step-rate pumping tests is summarized on **Tables 8-1 and 8-2**. The specific capacity of each well generally declines with increased pumping rate. This is caused by higher frictional losses related to formation, entrance, and borehole velocities of water.

Static Water Level (fbls)	Pumping Rate (gpm)	Pumping Water Level (fbls)	Drawdown (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Silt Density Index Values
9.3	0					
	500	9.78	0.48	1041	0	2.88
	1,000	10.45	1.15	870	0	0.60
	2,000	12.45	3.15	635	0	2.08
	3,000	14.75	5.45	550	45	3.33
			••••••••••••••••••••••••••••••••••••••		*··	· •

Table 8-1Plant 8, Well No. 8-13 Step-Rate Pumping Test Data

Table 8-2Plant 8, Well No. 8-14 Step-Rate Pumping Test Data

Static Water Level (fbls)	Pumping Rate (gpm)	Pumping Water Level (fbls)	Drawdown (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Silt Density Index Values
10.31	0					
	700	10.89	0.58	1,207	0	2.5
	1,000	11.25	0.94	1,063	0	4.8
	2,000	12.75	2.44	820	2	5.5
	3,300	15.21	4.9	673	20	7.9

Upon completion of the step-rate pumping tests, an 8-hour constant-rate pumping test was performed on Wells 8-13 and 8-14. The pumping rate for both of the tests was the design rate of 1,000 gpm. After 8 hours of pumping at 1,000 gpm, the water level in Well 8-13 had declined 1.27 feet from static. After 8 hours of pumping at 1,000 gpm, the water level in Well 8-14 had declined 0.62 feet from static, and the aquifer near the well had an apparent transmissivity of 5,870,000 gpd/ft. **Table 8-3** presents a summary of the information collected during the constant-rate pumping tests.

Based on the water level and water quality data collected during from the step-rate and constant-rate pumping tests, both of the wells were fitted with submersible turbine pumps set at depths of 60 feet bls, designed to pump at rates of 1,000 gpm per well. The high specific capacities exhibities by these wells may afford the PBCWUD with the ability to increase pumpages to up to 1,500 gpm in the future, should additional water be desired at this facility. Additional groundwater modeling, water quality analyses and a water use permit modification may be required to support an increase in withdrawals from these wells.

						
		Pumping	Maximum	Specific	Sand	Apparent
Well	Date	Rate	Drawdown	Capacity	Content	Transmissivity
No.		(gpm)	(feet)	(gpm/ft)	(ppm)	(gpm/ft)
8-13	3/25/97	1,000	1.27	787	<1	2,640,000
8-14	11/4/97	1,000	0.88	1,136	<1	5,870,000

Table 8-3Plant 8 Constant-Rate Pumping Test Data

WATER QUALITY

Upon completion of the pumping portion of the constant-rate pumping tests, a water sample was collected from Wells 8-13 and 8-14 and analyzed for all primary and secondary drinking water standard constituents. Water from the wells did not contain concentrations of any primary drinking water standards above established maximum allowable concentrations. Water from the wells did not exceed secondary drinking water standards, with the exception of color. Concentrations of all pesticides, PCBs, trihalomethanes, unregulated and volatile organic aromatic compounds were all below detection limits. The analyses sheets are contained in **Appendix F** and a summary of the results is presented in **Table 8-4**.

Constituent	Well No. 8-13	Well No. 8-14
Chloride (mg/L)	58	46
Color (units)	80	100
pH (units)	7.0	7.0
Iron (mg/L)	0.008	0.025
Odor (ton)	1	1
Sulfate (mg/L)	14	31
Sodium (mg/L)	30	23
Total Dissolved Solids (mg/L)	407	382
Total Pesticides/PCBs ug/L)	bdl	bdl
Total THMs (ug/L)	bdl	bdl
Total Unregulateds (ug/L)	bdl	bdl
Total VOAs (ug/L)	bdl	bdl

Table 8-4Water Quality Summary at Plant 8

.

· •

Section 9



MONTGOMERY WATSON

Section 9 Plant 9 Well No. 9-1R Construction and Testing

The work at Plant 9 consisted of installation and testing of one new supply well, built as a replacement for a well that has been abandoned. **Figure 9-1** presents a site plan.

LOCAL GEOLOGIC CONDITIONS

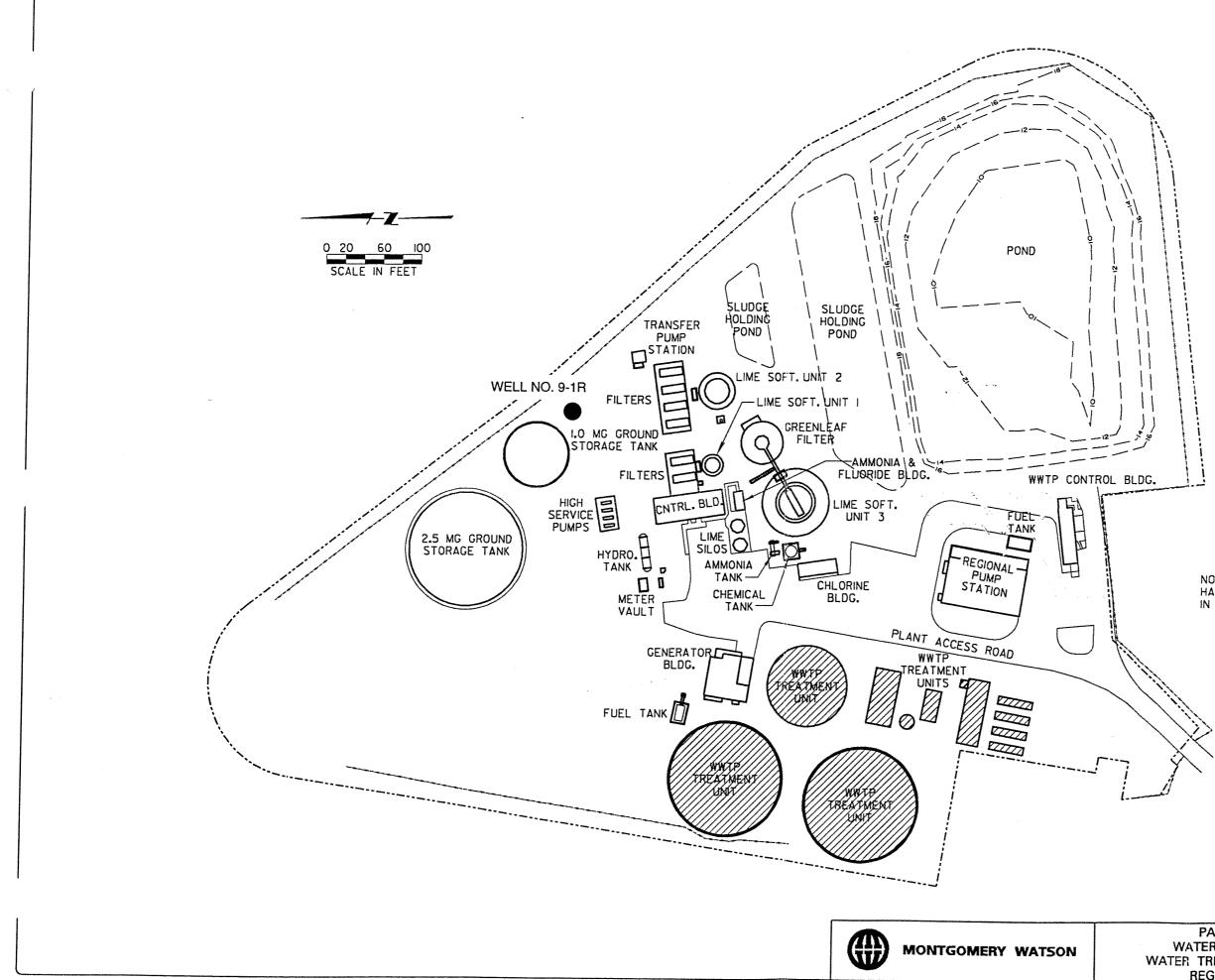
From land surface to a depth of approximately 90 feet bls, sediments are comprised of fine-grained, unconsolidated, tan to brown-colored sand. This sedimentary section represents the Pamlico Sand. At a depth of 90 feet bls, fragments of graycolored limestone are present, representing the Anastasia Formation. The limestone is characterized as a well-cemented phosphatic wackestone with secondary solution porosity. At a depth of approximately 140 feet bls, the limestone become less cemented, and shells become abundant to a depth of 180 feet bls.

GEOPHYSICAL INTERPRETATION

The caliper log from Well No. 9-1R indicated relatively washed-out (large) hole geometry to a depth of about 90 feet bls. This response is probably indicative of the soft, unconsolidated sands comprising this interval. Below this depth, to 198 feet bls, the caliper log indicated a narrow-gauge borehole, reflecting the harder limestone of the Anastasia Formation. The resistivity log indicated highly resistive formation material between the depths of 90 feet bls to 110 feet bls. Below these depths, resistivities decreased, indicating that the formation might be softer, and less water-yielding. Based upon this review, in concert with the lithologic information, the well screen for Well No. 9-1R was set between 90 feet bls to 130 feet bls.

WELL YIELD

Development of Well No. 9-1R by air-lift and pump surging at rates of between 500 gpm to 2,500 gpm. The static water level in the well during January 1997 was 19.67 below land surface. After several weeks of development, the water from the well continued an excess of 5 ppm of very fine-grained sand during pumpage at rates approaching 1,000 gpm, the desired flow for the well. Multiple constant-rate pumping tests were performed during this period, to assess the development progress, hence a "final" 8-hour constant-rate pumping test was not performed on the well. Upon completion of development, a four-hour step-rate pumping test was conducted on Well No. 1R on February 3, 1997, at rates ranging from 300 gpm to



PALM BEACH COUNTY WATER UTILITIES DEPARTMENT WATER TREATMENT PLANT NO. 9S and REGIONAL PUMP STATION

FIGURE 9-1



NOTE: HATCHED STRUCTURES TO BE DEMOLISHED IN NEAR FUTURE. 1000 gpm. **Table 9-1** summarizes the water level, specific capacity, silt density and sand content testing results collected during the step-rate pumping test.

Based upon the sand content data collected during the development and step-rate pumping test, the well was fitted with a submersible turbine pump set at a depth of 60 feet bls. The initial flow rate for Well No. 1R was set at 700 gpm, but can be increased to up to 1,000 gpm, if sand content decreased during well operation.

Static Water Level (fbls)	Pumping Rate (gpm)	Pumping Water Level (fbls)	Drawdown (feet)	Specific Capacity (gpm/ft)	Sand Content (ppm)	Silt Density Index Values
19.67	0					
	300	21.11	1.44	208	0	3.2
	500	22.91	3.24	158	4	3.9
	700	24.28	4.61	151	5	4.4
	1,000	26.70	7.03	142	70	10.2

Table 9-1Plant 9, Well No. 9-1R Step-Rate Pumping Test Data

WATER QUALITY

Upon completion of the pumping portion of the step-rate pumping test, a water sample was collected from Well No. 1R and analyzed for all primary and secondary drinking water standard constituents. Water from the well did not contain concentrations of any primary drinking water standards above established allowable maximum concentrations. Water from the well did not exceed secondary drinking water standards, with the exception of aluminum and color. Concentrations of all pesticides, PCBs, unregulated and volatile aromatic compounds were all below detection levels. The laboratory analyses sheets are contained in **Appendix F** and a summary of the results is presented in **Table 9-2**.

Constituent	Well No. 9-1R
Chloride (mg/L)	51
Color (units)	40
pH (units)	7.0
Iron (mg/L)	0.108
Odor (ton)	1
Sulfate (mg/L)	28.7
Sodium (mg/L)	25.8
Total Dissolved Solids (mg/L)	220
Total Pesticides/PCBs (ug/L)	bdl
Total THMs (ug/L)	bdl
Total Unregulateds (ug/L)	bdl
Total VOAs (ug/L)	bdl

Table 9-2Water Quality Summary at Plant 9

· •

Section 10



MONTGOMERY WATSON

. .

REFERENCES

Jacob, C.E. 1944. Notes on Determining Permeability by Pumping Tests Under Water-Table Conditions. United States Geological Survey Mimeographed Report.

Kline, H. and Hull, J.E. 1978. Biscayne Aquifer, Southeast Florida. Unites States Geological Survey Water-Resources Investigations Report 78-107.

Shine, M.J., Padgett, D.G.J., and Barknecht, W.M. 1989. Ground Water Resource Assessment of Eastern Palm Beach County, Florida. South Florida Water Management District Technical Publication 89-4.

Swayze, L.J. and Miller, W.L. 1984. Hydrogeology of a Zone of Secondary Permeability in the Surficial Aquifer of Eastern Palm Beach County, Florida. United States Geological Survey Water-Resources Investigations Report 83-4249.

Appendices



0

MONTGOMERY WATSON

Appendix A



MONTGOMERY WATSON

SFWMD Well Construction Permits



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

June 24, 1996

PERMITTEE	CONTRACTOR
PALM BEACH COUNTY WATER UTILITIES	ZIEGLER, WILLIAM
2065 PRAIRIE ROAD	P.O. BOX 271723
WEST PALM BEACH, FL 33416-6097	TAMPA, FL 33688
	LICENSE NO:9078

WATER WELL CONSTRUCTION PERMIT # SF060796K EXPIRATION DATE: December 24, 1996

	SYSTEM 2, WELL 14 PUBLIC WATER SUPPLY		
COUNTY:	PALM BEACH	SEC: 16	TWP: 44

WELL CONSTRUCTION SPECIFICATIONS:	<u>INNER</u>	OUTER
CASING DIAMETER:	16"	24"
CASING DEPTH:	90.00*	60.00'
SCREENED INTERVAL:	90.00' - 130.00'	
OPEN HOLE INTERVAL:		
TOTAL DEPTH OF WELL:	130.00'	
GROUT REQUIREMENT:		

Outer casing shall be grouted bottom to top.

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MONTGOMERY WATSON MR. BOB MITCHELL-HRS DEP POTABLE WATER SECTION

Governing Board: Valerie Boyd, Chairman Frank Williamson, Jr., Vice Chairman William E. Graham

William Hammond Betsy Krant Richard A. Machek Eugene K. Pettis Nathaniel P. Reed Miriam Singer Samuel E. Poole III, Executive Director Michael Slayton, Deputy Executive Director

RGE: 42



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

June 24, 1996

PERMITTEE	CONTRACTOR
PALM BEACH COUNTY WATER UTILITIES	ZIEGLER, WILLIAM
2065 PRAIRIE ROAD	P.O. BOX 271723
WEST PALM BEACH, FL 33416-6097	TAMPA, FL 33688
	LICENSE NO:9078

WATER WELL CONSTRUCTION PERMIT # SF060796J EXPIRATION DATE: December 24, 1996

SYSTEM 2, WELL 15 PUBLIC WATER SUPPLY			
 PALM BEACH	SEC: 16	TWP: 44	RGE:

WELL CONSTRUCTION SPECIFICATIONS:	INNER	OUTER
CASING DIAMETER: CASING DEPTH:	16" 90.00'	24" 60.00'
SCREENED INTERVAL: OPEN HOLE INTERVAL:	90.00' - 130.00'	00100
TOTAL DEPTH OF WELL: GROUT REQUIREMENT:	130.00'	

Outer casing shall be grouted bottom to top.

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MONTGOMERY WATSON MR. BOB MITCHELL-HRS DEP POTABLE WATER SECTION

Joverning Board; Valerie Boyd, Chairman Frank Williamson, Jr., Vice Chairman William E. Graham

William Hammond Betsy Krant Richard A. Machek Eugene K. Pettis Nathaniel P. Reed Miriam Singer Samuel E. Poole III, Executive Director Michael Slayton, Deputy Executive Director

42



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

June 24, 1996

PERMITTEE	CONTRACTOR
PALM BEACH COUNTY WATER UTILITIES	ZIEGLER, WILLIAM
2065 PRAIRIE ROAD	P.O. BOX 271723
WEST PALM BEACH, FL 33416-6097	TAMPA, FL 33688
·	LICENSE NO:9078

WATER WELL CONSTRUCTION PERMIT # SF0607961 EXPIRATION DATE: December 24, 1996

PROJECT:	SRWRF (SYSTEM 3) WELL 15			
TYPE OF USE:	PUBLIC WATER SUPPLY			
COUNTY:	PALM BEACH	SEC: 4	TWP: 46	RGE: 42

WELL CONSTRUCTION SPECIFICATIONS: INNER

CASING DIAMETER: CASING DEPTH: SCREENED INTERVAL: OPEN HOLE INTERVAL:	16" 105.00' 105.00' - 165.00'	24" 60.00'
TOTAL DEPTH OF WELL: GROUT REQUIREMENT:	165.00'	

Outer casing shall be grouted bottom to top.

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MONTGOMERY WATSON MR. BOB MITCHELL-HRS DEP POTABLE WATER SECTION

Governing Board: Valerie Boyd, Chairman Frank Williamson, Jr., Vice Chairman William E. Graham

William Hammond Betsy Krant Richard A. Machek Eugene K. Pettis Nathaniel P. Reed Miriam Singer Samuel E. Poole III, Executive Director Michael Slayton, Deputy Executive Director

OUTER



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

June 24, 1996

PERMITTEE	CONTRACTOR
PALM BEACH COUNTY WATER UTILITIES	ZIEGLER, WILLIAM
2065 PRAIRIE ROAD	P.O. BOX 271723
WEST PALM BEACH, FL 33416-6097	TAMPA, FL 33688
	LICENSE NO:9078

WATER WELL CONSTRUCTION PERMIT # SF060796H EXPIRATION DATE: December 24, 1996

PROJECT:	SRWRF (SYSTEM 3) WELL 16			
TYPE OF USE:	PUBLIC WATER SUPPLY			
COUNTY:	PALM BEACH	SEC: 4	TWP: 46	RGE: 42

WELL CONSTRUCTION SPECIFICATIONS:INNEROUTERCASING DIAMETER:16"24"

CASING DIAMETER:	16"	24 "
CASING DEPTH:	105.00'	60.00'
SCREENED INTERVAL:	105.00' - 165.00'	
OPEN HOLE INTERVAL:		
TOTAL DEPTH OF WELL:	165.00'	
GROUT REQUIREMENT:		

Outer casing shall be grouted bottom to top.

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MONTGOMERY WATSON MR. BOB MITCHELL-HRS DEP POTABLE WATER SECTION

Governing Board: Valerie Boyd, Chairman Frank Williamson, Jr., Vice Chairman William E. Graham

William Hammond Betsy Krant Richard A. Machek Eugene K. Pettis Nathaniel P. Reed Miriam Singer Samuel E. Poole III, Executive Director Michael Slayton, Deputy Executive Director



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

June 24, 1996

PERMITTEE	CONTRACTOR
PALM BEACH COUNTY WATER UTILITIES	ZIEGLER, WILLIAM
2065 PRAIRIE ROAD	P.O. BOX 271723
WEST PALM BEACH, FL 33416-6097	TAMPA, FL 33688
·	LICENSE NO:9078

WATER WELL CONSTRUCTION PERMIT # SF050796G EXPIRATION DATE: December 24, 1996

PROJECT:	SRWRF (SYSTEM 3) WELL 17			
TYPE OF USE:	PUBLIC WATER SUPPLY			
COUNTY:	PALM BEACH	SEC: 4	TWP: 46	RGE: 42

WELL CONSTRUCTION SPECIFICATIONS:	INNER	OUTER
CASING DIAMETER:	16"	24"
CASING DEPTH:	105.00'	60.00'
SCREENED INTERVAL:	105.00' - 165.00'	
OPEN HOLE INTERVAL:		
TOTAL DEPTH OF WELL:	165.00'	
GROUT REQUIREMENT:		

Outer casing shall be grouted bottom to top.

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

ş

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MONTGOMERY WATSON MR. BOB MITCHELL-HRS DEP POTABLE WATER SECTION

Governing Board: Valerie Boyd, Chairman Frank Williamson, Jr., Vice Chairman William E. Graham

William Hammond Betsy Krant Richard A. Machek

Eugene K. Pettis Nathaniel P. Reed Miriam Singer

Samuel E. Poole III, Executive Director Michael Slayton, Deputy Executive Director

<u>+</u>

3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

June 24, 1996

PERMITTEE	CONTRACTOR
PALM BEACH COUNTY WATER UTILITIES	ZIEGLER, WILLIAM
2065 PRAIRIE ROAD	P.O. BOX 271723
WEST PALM BEACH, FL 33416-6097	TAMPA, FL 33688
	LICENSE NO:9078

WATER WELL CONSTRUCTION PERMIT # SF060796F EXPIRATION DATE: December 24, 1996

PROJECT:SOUTH REGIONAL WATER RECLAMATION FACILITY-SYSTEM 3 WELL18TYPE OF USE:PUBLIC WATER SUPPLYCOUNTY:PALM BEACHSEC:4 TWP:46RGE:42

WELL CONSTRUCTION SPECIFICATIONS:	INNER	OUTER
CASING DIAMETER:	16"	24"
CASING DEPTH:	105.00'	60.00'
SCREENED INTERVAL: OPEN HOLE INTERVAL:	105.00' - 165.00'	
TOTAL DEPTH OF WELL:	165.00'	
GROUT REQUIREMENT:		

Outer casing shall be grouted bottom to top.

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

Ÿ,

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MONTGOMERY WATSON MR. BOB MITCHELL-HRS DEP POTABLE WATER SECTION

Governing Board: Valerie Boyd, Chairman Frank Williamson, Jr., Vice Chairman William E. Graham

44 C. S.

William Hammond Betsy Krant Richard A. Machek

18.2

Eugene K. Pettis Nathaniel P. Reed Miriam Singer Samuel E. Poole III, Executive Director Michael Slayton, Deputy Executive Director



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

July 29, 1996

<u>PERMITTEE</u> PALM BEACH COUNTY WATER UTILITIES 2065 PRAIRIE ROAD WEST PALM BEACH, FL 33416-6097

CONTRACTOR ZIEGLER, WILLIAM P.O. BOX 271723 TAMPA, FL 33688 LICENSE NO:9078

WATER WELL CONSTRUCTION PERMIT # SF060796M EXPIRATION DATE: January 29, 1997

	SYSTEM 8, WELL 13 PUBLIC WATER SUPPLY			
COUNTY:	PALM BEACH	SEC: 27	TWP: 43	RGE: 42

WELL CONSTRUCTION	SPECIFICATIONS:	INNER	OUTER

CASING DIAMETER:	16"	24"
CASING DEPTH:	82.00'	60.00'
SCREENED INTERVAL:	82.00' - 142.00'	
OPEN HOLE INTERVAL:		
TOTAL DEPTH OF WELL:	142.00'	
GROUT REQUIREMENT:		

Outer casing shall be grouted bottom to top.

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

Ą

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MR. BOB MITCHELL-HRS DEP-POTABLE WATER SECTION MONTGOMERY WATSON

Governing Board: Valerie Boyd, Chairman Frank Williamson, Jr., Vice Chairman William E. Graham

William Hammond Betsy Krant Richard A. Machek Eugene K. Pettis Nathaniel P. Reed Miriam Singer Samuel E. Poole III, Executive Director Michael Slayton, Deputy Executive Director



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

July 29, 1996

PERMITTEECONTRACTORPALM BEACH COUNTY WATER UTILITIESZIEGLER, WILLIAM2065 PRAIRIE ROADP.O. BOX 271723WEST PALM BEACH, FL 33416-6097TAMPA, FL 33688LICENSE NO:9078

WATER WELL CONSTRUCTION PERMIT # SF060796L EXPIRATION DATE: January 29, 1997

PROJECT: TYPE OF USE: COUNTY:	SYSTEM 8, WELL 14 PUBLIC WATER SUPPLY PALM BEACH	SEC: 2	7 TWP:	43 RGE: 42
WELL CONSTRUC	TION SPECIFICATIONS:	INNE	R	OUTER
OPEN HOL TOTAL DE		16 82.00 82.00' - 142.00	, 142.00'	24" 60.00'

Outer casing shall be grouted bottom to top.

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MR. BOB MITCHELL-HRS DEP-POTABLE WATER SECTION MONTGOMERY WATSON

Governing Board: Valerie Boyd, Chairman Frank Williamson, Jr., Vice Chairman William E. Graham

William Hammond Betsy Krant Richard A. Machek Eugene K. Pettis Nathaniel P. Reed Miriam Singer Samuel E. Poole III, Executive Director Michael Slayton, Deputy Executive Director

Mailing Address: P.O. Box 24680, West Palm Beach, FL 33416-4680



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

July 29, 1996

PERMITTEE	CONTRACTOR
PALM BEACH COUNTY WATER UTILITIES	ZIEGLER, WILLIAM
2065 PRAIRIE ROAD	P.O. BOX 271723
WEST PALM BEACH, FL 33416~6097	TAMPA, FL 33688
	LICENSE NO:9078

WATER WELL CONSTRUCTION PERMIT # SF060796E EXPIRATION DATE: January 29, 1997

PROJECT: SYSTEM 9, WELL 1R TYPE OF USE: PUBLIC WATER SUPPLY COUNTY: PALM BEACH	SEC: 30	TWP: 47	RGE: 42
WELL CONSTRUCTION SPECIFICATIONS:	INNER		OUTER
CASING DIAMETER: CASING DEPTH:	16" 122.00*		24" 60.00'

CASING DIAMETER: CASING DEPTH: SCREENED INTERVAL: OPEN HOLE INTERVAL: TOTAL DEPTH OF WELL: GROUT REQUIREMENT:

122.00' - 152.00' 152.00'

Outer casing shall be grouted bottom to top.

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

j

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MR. BOB MITCHELL-HRS DEP-POTABLE WATER SECTION MONTGOMERY WATSON

Governing Board: Valerie Boyd, Chairman Frank Williamson, Jr., Vice Chairman William E. Graham

William Hammond Betsy Krant Richard A. Machek Eugene K. Pettis Nathaniel P. Reed Miriam Singer Samuel E. Poole III, Executive Director Michael Slayfon, Deputy Executive Director

Mailing Address: P.O. Box 24680, West Palm Beach, FL 33416-4680

System 1W SFWMD Abandonment Permits

.

.



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

June 17, 1996

PERMITTEE	CONTRACTOR
PALM BEACH COUNTY WATER UTILITIES	ZIEGLER, WILLIAM
2065 PRAIRIE ROAD	P.O. BOX 271723
WEST PALM BEACH, FL 33416-6097	TAMPA, FL 33688
·	LICENSE NO:9078

WATER WELL ABANDONMENT PERMIT # SF060796Q EXPIRATION DATE: December 17, 1996

	SYSTEM 1, WELL #6 ABANDO PUBLIC WATER SUPPLY PALM BEACH		TWP: 43	RGE: 43
WELL ABANDONM	ENT SPECIFICATIONS:	INNER		OUTER
CASING D	DIAMETER: EPTH:	10" 140.00'		

OPEN HOLE INTERVAL: OPEN HOLE INTERVAL: TOTAL DEPTH OF WELL: GROUT REQUIREMENT: Inner casing shall be grouted bottom to top.

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MR. BOB MITCHELL-HRS DEP POTABLE WATER SECTION MONTGOMERY WATSON



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

June 17, 1996

PERMITTEE	CONTRACTOR
PALM BEACH COUNTY WATER UTILITIES	ZIEGLER, WILLIAM
2065 PRAIRIE ROAD	P.O. BOX 271723
WEST PALM BEACH, FL 33416-6097	TAMPA, FL 33688
	LICENSE NO:9078

WATER WELL ABANDONMENT PERMIT # SF060796N EXPIRATION DATE: December 17, 1996

PROJECT: SYSTEM 1 TYPE OF USE: PUBLIC W	, WELL #1 ABAN ATER SUPPLY	DONMENT		
COUNTY: PALM BEA		SEC: 31	TWP: 43	RGE: 43
WELL ABANDONMENT SPEC	IFICATIONS:	INNER		OUTER
CASING DIAMETER:		10"		
CASING DEPTH:		107.00'		
SCREENED INTERVAL	:	-		
OPEN HOLE INTERVAL	L:			
TOTAL DEPTH OF WE	LL:	158.00'		
GROUT REQUIREMENT	-			
Inner casing sha	all be grouted	bottom to top.		

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MR. BOB MITCHELL-HRS DEP POTABLE WATER SECTION MONTGOMERY WATSON

William Hammond Betsy Krant Richard A. Machek Eugene K. Pettis Nathaniel P. Reed Miriam Singer Samuel E. Poole III, Executive Director Michael Slayton, Deputy Executive Director



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

June 17, 1996

PERMITTEE	CONT <u>RACTOR</u>
PALM BEACH COUNTY WATER UTILITIES	ZIEGLER, WILLIAM
2065 PRAIRIE ROAD	P.O. BOX 271723
WEST PALM BEACH, FL 33416-6097	TAMPA, FL 33688
,	LICENSE NO:9078

WATER WELL ABANDONMENT PERMIT # SF0607960 EXPIRATION DATE: December 17, 1996

PROJECT: TYPE OF USE: COUNTY:	SYSTEM 1, WELL #4 ABANE PUBLIC WATER SUPPLY PALM BEACH		TWP: 43	RGE: 43
WELL ABANDONM	ENT SPECIFICATIONS:	INNER		OUTER
CASING D CASING D		10" 137.00'		
SCREENED	INTERVAL: E INTERVAL:	-		
TOTAL DE	PTH OF WELL: QUIREMENT:	177.00'		
	casing shall be grouted	bottom to top	•	

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MR. BOB MITCHELL-HRS DEP POTABLE WATER SECTION MONTGOMERY WATSON



3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

June 17, 1996

PERMITTEE	CONTRACTOR
PALM BEACH COUNTY WATER UTILITIES	ZIEGLER, WILLIAM
2065 PRAIRIE ROAD	P.O. BOX 271723
WEST PALM BEACH, FL 33416-6097	TAMPA, FL 33688
	LICENSE NO:9078

WATER WELL ABANDONMENT PERMIT # SF060796P EXPIRATION DATE: December 17, 1996

TYPE OF USE: PU	(STEM 1, WELL #5 ABANDON JBLIC WATER SUPPLY ALM BEACH		TWP: 43	RGE: 43
WELL ABANDONMENT	SPECIFICATIONS:	INNER		OUTER
CASING DIAM CASING DEPT SCREENED IN OPEN HOLE I	TH: NTERVAL:	10" 140.00' -		
TOTAL DEPTH GROUT REQUI	I OF WELL:	180.00'		

Inner casing shall be grouted bottom to top.

See additional conditions of permit on attached sheet.

We appreciate your assistance and cooperation in better managing the water resources of the District. If you have any questions on this matter, please call Ann-Marie Superchi at extension 6929.

Sincerely,

Steve D. Anderson, P.G., Supervising Professional Water Use Division, Regulation Department

Attachment: Additional Conditions of Permit c: MR. BOB MITCHELL-HRS DEP POTABLE WATER SECTION MONTGOMERY WATSON

Palm Beach County Public Health Unit Construction Permits

- --

•

HRS STATE OF FLORIDA

DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

CERTIFIED MAIL RETURN RECEIPT REQUESTED

NOTICE OF PERMIT ISSUANCE

In the Matter of an Application for Permit by:

C. Lawton McCall, Director of Engineering Palm Beach County Water Utilities Department 2065 Prairie Road West Palm Beach, FL 33416-6097

FILE NO.: WC50-282172

PROJECT: Palm Beach County Systems 2, 3 & SRWRF Water Pipeline Modifications

Enclosed is Permit Number WC50-282172, issued to C. Lawton McCall, Director of Engineering, Palm Beach County Water Utilities Department, to construct water pipeline modifications, issued pursuant to Chapter 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within fourteen (14) days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information:

- The name, address and telephone number of each petitioner, the applicant's name and address, the Permit File Number and the county in which the project is proposed;
- b. A statement of how and when each petitioner received notice of the Health Unit's action or proposed action;
- c. A statement of how each petitioner's substantial interests are affected by the Health Unit's action or proposed action;
- d. A statement of the material facts disputed by Petitioner, if any;
- e. A statement of facts which petitioner contends warrant reversal or modification of the Health Unit's action or proposed action;

DISTRICT IX

PALM BEACH COUNTY PUBLIC HEALTH UNIT • P.O. BOX 29 • WEST PALM BEACH, FLORIDA 33402

Page Two

- f. A statement of which rules or statutes petitioner contends require reversal or modification of the Health Unit's action or proposed action; and
- g. A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Health Unit to take with respect to the action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Health Unit's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Health Unit with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within fourteen (14) days of receipt of this notice, in the Office of General Counsel at the above address of the Department of Environmental Protection. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S. and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code (F.A.C.).

This permit is final and effective on the date filed with Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section I20.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.10, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty (30) days from the date the Final Order is filed with the Clerk of the Department.

Executed in West Palm Beach, Florida, This 23 Day of February, 1996

STATE OF FLORIDA PALM BEACH COUNTY PUBLIC HEALTH UNIT

Tran mech

Umesh Asrani, P.E., Assistant Director Environmental Health & Engineering 90I Evernia Street West Palm Beach, FL 3340I (407) 355-3070 STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE was mailed to the applicant by certified mail and to all listed persons before the close of business on February 23, 1996.

Patro Boact, County Public Health Unit Environmental Health and Engineering Plan Review and Permit Section APPROVED

Clerk Stamp

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section I20.52(II), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

<u>LineBern</u> 2/23/96 (Clerk) (Date)

cc: Utility: Same as Applicant Engineer-of-Record: Mark R. Nelson, P.E. Office of General Counsel, DEP/Tallahassee Dept. of Environmental Protection, W.P.B.

DISTRICT IX PALM BEACH COUNTY PUBLIC HEALTH UNIT • P.O. BOX 29 • WEST PALM BEACH, FLORIDA 33402 STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

PERMITTEE:

C. Lawton McCall, Director of Engineering Palm Beach County Water Utilities Department 2065 Prairie Road West Palm Beach FL 33416-6097 I.D. No.: 450-4393 Permit/Certification: WC50-282172 Date of Issue: 2/23/96 Expiration Date: 2/23/2001 Latitude/Longitude: *(see 1 below Section/Township/Range: *(see 2 below) Project: P.B.C. Systems 2, 3 & SRWRF Water Pipeline Modifications

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-550, 62-555 & 62-560. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Construct: System 2W - 40 ft. of twelve inch (12") DIP, 20 ft. of sixteen inch (16") DIP, 460 ft. of eighteen inch (18") DIP and 520 ft. of twenty inch (20") DIP; System 3W - 40 ft. of sixteen inch (16") DIP, 1,000 ft. of thirty inch (30") DIP and 980 ft. of thirty six inch (36") DIP SRWRF - 2,280 ft. of twelve inch (12") DIP, 2,180 ft. of sixteen inch (16") DIP, 30 ft. of twenty inch (20") DIP; System 9W - 80 ft. of twelve inch (12") DIP.

In Accordance With: Application DEP 17-555.910(1) dated December 20, 1995, engineering plans sheet nos. C1-52 C 1 & 2, 3C 1 & 2, 3C-4, 5C-2, 6C 1-4, 6C-7 & GM-1 and specifications received December 27, 1995; plan sheets nos. GC 1 & 2, 3C-3, 6C-5 & 6 received February 12, 1996 and letter dated February 12, 1996.

- Subject To: General Conditions 1 17 and Specific Conditions 1 5
- *1. System 2W 26° 38'00"N/80°10'00"W; 2. 21/44/42
- *I. System 3W 26° 28'55"N/80° 08'42"W; 2. 20/46/42
- *1 System SRWRF 26° 29'00"/ 80° 09'00"; 2. 4/46/42

Page 1 of 8 DISTRICT IX

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282172 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

GENERAL CONDITIONS:

- 1. The terms, conditions, requirements, limitations and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161, 403.727, or 403.859 through 403.061, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agent, employees, servants or representatives.
- 2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
- 3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- 4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
- 5. This permit does not relieve the permittee from liability from harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- 6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department Rules.

C. Lawton McCall

I.D. No.: 450-9393 Permit/Certification No.: WC50-282171 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

÷

GENERAL CONDITIONS:

- 7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - having access to and copying any records that must be kept under the conditions of the permit;
 - b. inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

- 8. If for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the Department with the following information:
 - a. a description of and cause of noncompliance; and
 - b. the period on noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case arising under the Florida Statutes of department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes.

C. Lawton McCall

I. D. No.: 450-4393 Permit/Certification No.: WC50-282172 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

Ł

GENERAL CONDITIONS: (14 Cont'd.)

c. Records of monitoring information shall include:

-the date, exact place, the time of sampling or measurements; - the person responsible for performing the sampling or measurements;

-the date(s) analyses were performed;

-the person responsible for performing the analyses;

-the analytical techniques or methods used; and -the results of such analyses.

- 15. When requested by the department, the permittee shall, within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.
- 16. In the case of an underground injection control permit, the following permit conditions also shall apply:
 - a. All reports or information required by the Department shall be certified as being true, accurate and complete.
 - b. Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than fourteen (14) days following each schedule date.
 - c. Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within twenty four (24) hours and again within seventy two (72) hours and a final written report provided within two (2) weeks.
 - The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.
 - The written submission shall contain a description of and a discussion of the cause of the noncompliance and if it has not been corrected, the anticipated time the noncompliance is expected to continue, the steps being taken to reduce, eliminate and prevent recurrence of the noncompliance and all information required by Rule 17-28.230(4)(b), F.A.C.

.

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282172 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

ł

GENERAL CONDITIONS:

- 10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- 11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 62-4.12 and 62-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.
- 12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
- 13. This permit also constitutes:
 - () Determination of Best Available Control Technology (BACT)
 - () Determination of Prevention of Significant Deterioration (PSD)
 - () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
 - () Compliance with New Source Performance Standards
- 14. The permittee shall comply with the following monitoring and record keeping requirements:
 - a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
 - b. The permittee shall retain at the facility, or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit and records of all data used to complete the application for this permit. The time period of retention shall be at least three (3) years from the date on the sample, measurement, report or application unless otherwise specified by department rule.

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282172 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

GENERAL CONDITIONS: (16 CONT'D.).

- d. The Department shall be notified at least one hundred eighty (180) days before conversion or abandonment of an injection well, unless abandonment within a lesser period of time is necessary to protect waters of the state.
- 17. The following conditions also shall apply to a hazardous waste facility permit.
 - a. The following reports shall be submitted to the Department:
 - Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within fifteen (15) days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.
 - 2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within fifteen (15) days of receipt of unmanifested waste.
 - 3. Biennial report. A biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year pursuant to Chapter 17-730, F.A.C.
 - b. Notification of any noncompliance which may endanger health or the envionment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within twenty four (24) hours and a written report shall be provided within five (5) days. The verbal report shall include the name, address, I.D. number and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards and the estimated quantity and disposition of recovered material. The written submission shall contain:
 - 1. A description and cause of the noncompliance.
 - 2. If not corrected, the expected time of correction and the steps being taken to reduce, eliminate and prevent recurrence of the noncompliance.
 - c. Reports of compliance or noncompliance with, or any progess reports on, requirements in any compliance schedule shall be submitted no later than fourteen (14) days after each schedule date.

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282171 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

GENERAL CONDITIONS: (17 Cont'd.)

d. All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

SPECIFIC CONDITIONS:

- 1. The permittee is responsible for retaining a Florida registered professional engineer as the engineer of record for this project and upon completion, the engineer shall inspect for complete conformity to the plans and specifications as approved.
- Upon completion of construction, but prior to placing the system into service, a letter of release must be obtained from the Palm Beach County Public Health Unit; documentation listed below must be submitted for the letter of release;
 - a. A certification by the engineer that the project has been completed in substantial conformance with approved plans and bacteriologically cleared. Certification to such inspection on DEP Form 17-555.910(9) shall be provided to the Palm Beach County Public Health Unit.
 - b. One (1) set of record drawings of the completed project. Drawings are to be at the same scale and in the same sequence as those submitted and approved for permit. Deviations from the original permitted drawings are to be highlighted and/or noted for the Unit's review. Sample points are to be indicated on the drawings. All crossings between water lines and sanitary or storm sewers and force mains must be clearly identified with elevations on all record drawings.
 - c. Bacteriological results -

Satisfactory bacteriological results for clearance of a community water supply facility shall be two (2) consecutive daily samples with results indicating an absence of coliform. The detailed procedure for bacteriological clearance and release of systems for use is outlined in Technical Memorandum 91-4 PR, a copy of which can be furnished upon request.

3. This construction permit is issued with the understanding that pipe material and appurtenances used in this installation will be in accordance with the latest applicable AWWA & NSF Standards for public water supplies.

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282172 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

SPECIFIC CONDITIONS:

- 4. All concrete coatings/admixtures, liners, grouts, protective paints and coatings shall be in conformance with ANSI/NSF Standard 60-1988 and deemed acceptable for contact with potable water.
- 5. Prior to construction, all required permits or approvals must be obtained for all aspects of the project from the appropriate agencies.

ISSUED THIS 23rdDAY OF February, 1996

PALM BEACH COUNTY PUBLIC HEALTH UNIT

STATE OF FLORIDA

Jean M. Malecki, M.D., MPH, Director Palm Beach County Public Health Unit



STATE OF FLORIDA

DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

NOTICE OF PERMIT ISSUANCE

In the Matter of an Application for Permit by:

C. Lawton McCall, Director of Engineering Palm Beach County Utilities 2065 Prairie Road West Palm Beach, FL 33416

FILE NO.: WC50-227920

PROJECT: Palm Beach County Water Treatment Plant #9 Improvements

Enclosed is Permit Number WC50-227920, to construct improvements to Water Treatment Plan #9, issued pursuant to Chapter 403, Florida Statutes (F.S.).

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Regulation, at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within fourteen (14) days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information:

- a. The name, address and telephone number of each petitioner, the applicant's name and address, the Permit File Number and the county in which the project is proposed;
- b. A statement of how and when each petitioner received notice of the Health Unit's action or proposed action;
- c. A statement of how each petitioner's substantial interests are affected by the Health Unit's action or proposed action;
- d. A statement of the material facts disputed by Petitioner, if any;
- e. A statement of facts which petitioner contends warrant reversal or modification of the Health Unit's action or proposed action;

DISTRICT IX

PALM BEACH COUNTY HEALTH UNIT + P.O. BOX 29 + WEST PALM BEACH, FLORIDA 33402

- f. A statement of which rules or statutes petitioner contends require reversal or modification of the Health Unit's action or proposed action; and
- g. A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Health Unit to take with respect to the action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Health Unit's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Health Unit with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within fourteen (14) days of receipt of this notice, in the Office of General Counsel at the above address of the Department of Environmental Regulation. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S. and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code, (F.A.C.).

This permit is final and effective on the date filed with Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Regulation, in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty (30) days from the date the Final Order is filed with the Clerk of the Department.

Executed in West Palm Beach, Florida, THIS 5th DAY OF May, 1993.

STATE OF FLORIDA PALM BEACH COUNTY PUBLIC HEALTH UNIT

Imed Man

Umesh Asrani, P.E., Assistant Director Environmental Science & Engineering 901 Evernia Street West Palm Beach, FL 33401 (407) 355-3070



STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE was mailed to the applicant by certified mail and to all listed persons before the close of business on May 5, 1993.

PALM BEACH COUNTY PUBLIC HEALTH UNIT DIVISION OF ENVIRONMENTAL SCIENCE & SIVERNIA STREET P.O. BOX 23 WEST PALM BEACH, FLORIDA 33402

Clerk Stamp

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to Section 120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Elained Brown 5/5/93 (Clerk) (Date)

cc: Mr. Lee Killinger, Assistant General Counsel, DER/Tallahassee Dept. of Environmental Regulation, W.P.B., Pan Smith Engineer-of-Record, T. Clay Blanton, P.E.

LAWTON CHILES, GOVERNOR



Re:

STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

CERTIFICATION

Improvements to a water treatment plant

File No.: WC50-227920

Project Name:

Palm Beach County Water Treatment Plant #9 Improvements

Utility: Palm Beach County

THIS IS TO CERTIFY that the sanitary engineering features of the above referenced application provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes and Florida Administrative Code, Title 17. Other aspects of the design, including, but not limited to, the electrical, mechanical, structural, hydrological and geological features, have not been evaluated and are not part of this certification.

1 an

Umesh Asrani, P.E., Assistant Director Environmental Science & Engineering

LAWTON CHILES, GOVERNOR



STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

PERMITTEE:

C. Lawton McMcall, Director of Engineering Palm Beach County Utilities 2065 Prairie Road West Palm Beach, FL 33416 I.D. No.: 450-1332
Permit/Certification No.: WC50-227920
Date of Issue: 5/5/93
Expiration Date: 5/5/98
County: Palm Beach
Latitude/Longitude: 26⁰20'35"/80⁰11'47"
Section/Township/Range: 30/47/42
Project: Palm Beach County Water Treatment Plant #9 Improvements

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-550, 17-555 & 17-560. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

- Construct: Six (6) 625 S.F. each dual media filters rated at 3 gpm/S.F. with two (2) air scour blowers, a 350,000 gallon clearwell with two (2) 6,250 gpm backwash pumps and two (2) 6,250 gpm transfer pumps, a 555,000 gallon washwater recovery basin with two (2) 350 gpm sludge pumps and two (2) 1,000 gpm washwater return pumps and a 190,000 gallon sludge thickener basin with two (2) 160 gpm sludge pumps, a vacuum filter and a 66,000 c.f. emergency sludge pond. This project does not increase the rated plant capacity.
- In Accordance With: Application DER Form 17-555.910(1) dated March 11, 1993; engineering plans sheets Gl - G7, GC1, GC4, GC5, Cl, C6 -8, Al - 5, IAl - 2, 4Al - 2, GS1 - 6, IS1 - 13, 2S1 - 2, 3S1 - 2, 4S1 - 5, GM1 - 6, IM1, 4, 6, 8, 9, 2M12, 3M12, 3M1 - 2, 4M1 - 3, 5M1 - 5, El - 15, IE1 - 7, 3E1, 4E1 -2, 5E1 - 2, II - 12, received March 15, 1993 and sheets GC2 - 3, C2 - 5, IM2, 3, 5, 7, received April 26, 1993, engineering report and specifications received March 15, 1993 and letter received April 26, 1993.
- Located At: 22438 South West 7th Street, Boca Raton, Florida.
- Subject To: General Conditions 1 15 and Specific Conditions 1 6.

Page 1 of 6

DISTRICT IX PALM BEACH COUNTY HEALTH UNIT • P.O. BOX 29 • WEST PALM BEACH, FLORIDA 33402

C. Lawton McCall

I.D. No.: 450-1332 Permit/Certification No.: WC50-227920 Date of Issue: 5/5/93 Expiration Date: 5/5/98

.....

GENERAL CONDITIONS:

- 1. The terms, conditions, requirements, limitations and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161, 403.727, or 403.859 through 403.061, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agent, employees, servants or representatives.
- 2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- 3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- 4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
- 5. This permit does not relieve the permittee from liability from harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- 6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

C. Lawton McCall

I.D. No.: 450-1332 Permit/Certification No.: WC50-227920 Date of Issue: 5/5/93 Expiration Date: 5/5/98

GENERAL CONDITIONS:

- 7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. Having access to and copying any records that must be kept under the conditions of the permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

- 8. If, for any reason, the permittee does not comply with, or will be unable to comply with, any condition or limitation specified in this permit, the permittee shall immediately notify and provide the Department with the following information:
 - a. a description of and cause of noncompliance; and
 - b. the period on noncompliance , including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

- 9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case arising under the Florida Statutes of Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.
- 10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

1.

C. Lawton McCall

I.D. No.: 450-1332 Permit/Certification No.: WC50-227920 Date of Issue: 5/5/93 Expiration Date: 5/5/98

GENERAL CONDITIONS:

- 11. This permit is transferable only upon Department approval, in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
- 12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
- 13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards
- 14. The permittee shall comply with the following monitoring and record keeping requirements:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.
 - b. The permittee shall retain at the facility, or other location designated by this permit, records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three (3) years from the date on the sample, measurement, report or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:

-the date, exact place, the time of sampling or measurements; -the person responsible for performing the sampling or measurements; -the date(s) analyses were performed; -the person responsible for performing the analyses; -the analytical techniques or methods used; and

-the results of such analyses.

Page 4 of 6

C. Lawton McCall

I.D. No.: 450-1332 Permit/Certification No.: WC50-227920 Date of Issue: 5/5/93 Expiration Date: 5/5/98

· · · · · ·

GENERAL CONDITIONS:

15. When requested by the Department, the permittee shall, within a reasonable time, furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

- 1. The permittee is responsible for retaining a Florida registered professional engineer as the engineer of record for this project and upon completion, the engineer shall inspect for complete conformity to the plans and specifications as approved.
- 2. Upon completion of construction, but prior to placing the system into service, a letter of release must be obtained from the Palm Beach County Public Health Unit; the documentation listed below must be submitted for the letter of release:
 - a. A certification by the engineer that the project has been completed in substantial conformance with approved plans and bacteriologically cleared. Certification to such inspection on DER Form 17-555.910(9) shall be provided to the Palm Beach County Public Health Unit.
 - b. One (1) set of record drawings of the completed project. Drawings are to be at the same scale and in the same sequence as those submitted and approved for permit. Deviations from the original permitted drawings are to be highlighted and/or noted for the Unit's review. Sample points are to be indicated on the drawings.
 - c. Bacteriological results -Satisfactory bacteriological results for clearance of a community water supply facility shall be two (2) consecutive daily samples with results indicating an absence of coliform. The detailed procedure for bacteriological clearance and release of systems for use is outlined in Technical Memorandum 91-4PR, a copy of which can be furnished upon request.
- 3. This construction permit is issued with the understanding that pipe material and appurtenances used in this installation will be in accordance with the latest applicable AWWA & NSF Standards for public water supplies.

C. Lawton McCall

I.D. No.: 450-1332 Permit/Certification No.: WC50-227920 Date of Issue: 5/5/93 Expiration Date: 5/5/98

SPECIFIC CONDITIONS:

- All concrete coatings/admixtures, liners, grouts, protective paints and coatings shall be in conformance with ANSI/NSF Standard 60-1988 and deemed acceptable for contact with potable water.
- 5. All chemicals added to the system shall be in conformance with ANS/NSF Standard 60 - 1988. The maximum dosage shall not exceed those as recommended by N.S.F. in their report.
- 6. This permit only covers the specific items addressed in the applicant's permit application package. Other existing system components were not reviewed for compliance with current standards, and issuance of this permit does not certify that those components meet current standards.

ISSUED THIS 5th DAY OF May, 1993

PALM BEACH COUNTY PUBLIC HEALTH UNIT STATE OF FLORIDA

Jeah M. Malecki, M.D., MPH, Director

Palm Beach County Public Health Unit

MONTGOMERY WATSON

March 11, 1993

١

Mr. Bob Mitchell Palm Beach County Public Health Unit 901 Evernia Street West Palm Beach, Florida 33401

SUBJECT: Application to Construct a Public Drinking Water System WUD 91-64

Dear Mr. Mitchell:

Please find attached to this letter four copies of the subject application for Palm Beach County Water Utilities Department's (PBCWUD) Water Treatment Plant No. 9 Improvements. Included with the application are four copies each of the Engineering Report, raw water analysis, well logs for nearby wells, drawings, and specifications. PBCWUD proposes to construct replacement filters, a washwater recovery basin, sludge handling facilities, and an additional raw water well.

Should you have any questions regarding the application and attachments or need additional information, please contact Montgomery Watson, Inc. as soon as possible.

Very truly yours,

I Clay/Olant

T. Clay Blanton, P.E. Principal Engineer

MPT/jp Attachments

cc: <u>Elsawton McCall</u>, PBCWUD (without attachments) Steve: McGrew, PBCWUD (with attachments) Francis Duran, Montgomery Watson (with attachments) File 1565.1535/3.1.6

2328 10th Avenue North Fifth Floor Lake Worth, Florida 33461-6515

Tel: 407 586 8830 Fax: 407 586 8834

Serving the World's Environmental Needs

NDOR: PALMO032	() () () () () () () () () () () () ()	OARD OF COUNTY COMMISSIONERS	0 <u>CHECK NO.</u> 00486134 NET
EPAID: 02-25-95	PURCHASE ORDER NUMBER	DESCRIPTION	
PR0J91-64WU0		PERMIT WTR TRTMNT PLANT#9	500.00
		(DETACH BEFORE CASHING)	
61	BOARD 632 C	OF COUNTY COMMISSIONERS OUNTY OF PALM BEACH WEST PALM BEACH, FLORIDA GENERAL DISBURSEMENT ACCOUNT	но 486134
FIRST UNIO	IN NATIONAL BANK OF FLORIDA	VOID AFTE	A (BO) NINETY DAYS
JACKSONVI	Υ××××××××××	DATE CHECK NO. S AND OOCENTS 02-25-93 004861	۵۸۵۵۷۹۲ ۱34 **********
	EACH COUNTY HEALTH		Moley MC Cart of
	ALH BEACH FL 334	02/100000000000000000000000000000000000	
	IF 406 \$ 3 4"	• • • • •	

Ξ,

:



State of Florida Department of Environmental Regulation

Application to Construct a Public Drinking Water System

INSTRUCTIONS: All of the application forms, including engineering plans and specifications, must be completed a submitted. For construction of facilities consisting solely of pumping and disinfection, Parts A, B, C, D, and E 1 ϵ 2, (d) through (f), as well as engineering plans and specifications, must be completed and submitted. When using t form for distribution systems alone, only Part B and applicable sections of Part A need to be completed. Submiss of any false statement of representation in this application is a violation of the law. Attach additional sheets as necessary of the law.

Project Name:Water Treatment Plant No.9 Improvements	_ County:_ Palm Beach
System Adaress: Street22438 S.W. 7th Street	City: Boca Raton
Applicant's Name and Title: Palm Beach County Water Utilities Dep	Dartment
Applicant's Address: P.O. Box 16097, West Palm Beach, Florida	33406
Utility Supplying Water: Name Palm Beach County Water Utilities D	epartment
Utility Accress:2065 Prairie Road, West Palm Beach, Florida	
Owner/Operator After Construction, if different:same	
Owner/Operator Address: same	
Type of Proposed Facility: <u>Replacement Filters and Recovery Basin</u>	To Serve: Public (Subdivision, trailer park, school, e
Latitude <u>26 ° 20 ' 35''</u> N Longitude <u>80 ° 11 ' 47</u> ''W Section: <u>30</u> Township: <u>47</u> Range: <u>42</u>	Provide latitude/longitude and secti- township-range of all plants and source attach additional sneet, if necess.

A. Applicant:

I, the owner/authonized representative" of <u>Palm Beach County Water Utilities Department</u> am fully aware that the statements made in this application for a permit to construct <u>a System No.9 Improver</u> are true, correct and complete to the best of my knowledge and belief. Further, the undersigned agrees to maint the facility in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules of department, will be non-transferable and will promptly notify the department upon sale or legal transfer of the permit. facility. The undersigned also accepts responsibility for retaining the project engineer as indicated on this applicat to observe that construction of the project is in accordance with engineering plans as submitted_r

*Attach letter of authorization

Sianed: Ownet/Authorized Representative

C. Lawton McCall, Director of Engineering Name and Title (Please type) Telephone No. (407) 641-3429

B.³ Owner/Authorized Representative of Utility Supplying Water (if applicable):

ine undersigned, owner/autionized representative or
hereby certilies that the above referenced utility has adequate reserve capacity to supply water to this project and
provide the necessary treatment as required by Chapter 403. Florida Statutes, and all rules of the department. Funt
the undersigned verifies that his treatment plant was constructed under a valid permit, Number
dated issued by the department, and the connection of the proposed project will not be in vid
tion of any condition of said permit.

*Attach letter of authonzation

Signed: _____N/A

Name and Title (Please type)

Date: _____ Telephone No. _____

C. Owner/Operator* After Construction (if different from applicant):

1, the undersigned, do certify that I will become the owner/operator of the proposed facility after construction. Furth 1 certify that I am fully aware that the statements made in this application are true, correct and complete to the be of my knowledge. Also, I agree to operate and maintain the facilities in such a manner as to comply with the provisio of Chapter 403. Florida Statutes, and all rules of the department. I understand the permit is non-transferable and v promptly notify the department upon sale or legal transfers of the permitted establishment.

*Attach letter of authorization

Signed: <u>N/A</u>

Name and Title (Please Type)

Date: _____ Telephone No.: _

D. Professional Engineer Registered in Florida:

This is to certify that the engineering features of this public drinking water system have been designed/examined me and found to be in conformity with modern engineering principles, applicable to the treatment and distribution drinking water characterized in this application. There is reasonable assurance in my professional judgment that t facility, when constructed as planned and properly maintained and operated, will comply with all applicable statut of the State of Florida and the rules of the department.

Signed:

T. Clay Blanton

Name (Please Type)

James M. Montgomery, Consulting Engineers, I Company Name (Please Type)

2328 Tenth Avenue North, 5th Floor, Lake Wor Mailing Address (Please Type)

Date: 3/12/93

Telephone No. (407) 586-8830

Alar-

(Affix Seal)

Florida Registration No. _____32124

Pape 2 of 6

PART A - GENERAL *See attached engineering report.

	Esumated total cost of project 6,000,000 Describe all water treatment Lime Softening, Dual Media Filters, Chloramination Disinfection
2.	Existing plant capacity (MGD) 14 Plant capacity increase (MGD) none
З.	Previous DER permit number(s), if anyWD50-00511-W
4.	Present population of area served <u>N/A</u> For capita consumption <u>N/A</u>
5.	Design population (additional served by this project) <u>none</u>
6.	Total connections served <u>N/A</u> Total connections approved <u>N/A</u> Additional connections <u>none</u>
. 7.	Give any industrial users of abnormal demandsnone
8.	Current system water demand, in MGD (from plant operation report)
	Average day 11.0. Maximum day 12.1 Maximum hour (GPM) 12,400
_	Additional water demand, MGD: Avg. day none Max. day none Max. Hr. GPM) none
9.	Is plant designed for 24-hour operation of what portion? 24 hr. operation
10.	Give characteristics of raw water (attach primary and secondary chemical analysis pursuant to Chapter 17-550. F See attached raw water analyses.
11.	Give source proposed water (deep well, shallow well, spring, surface)
12	Sewage disposai Palm Beach County Water Utilities Department
13.	Finished water storage: Elevated (gals) <u>N/A</u> Ground (gals) <u>3,500,000</u>
	Hydropneumatic (gals: 15,000 Existing Capacity (gals) N/A Capacity Increase (gals) none
	Existing service pump capacity (MGD)21.6 Additional service pump capacity (MGD)
	Static head in relation to pumping plant N/A
16.	Well permit from water management district? Yes X Permit No. SF06177-A,B,C,
	No Explain
	- PART B - DISTRIBUTION SYSTEM - N/A
	interconnection with other system
2.	Min. size pipe Max. size pipe Min. system pressure Max. system pressure
	is fire control provided in design?
4.1	Describe dead-end conditions and necessity for flushing including number of such conditions and flushing sche
. 5. I	Describe cross-connection control program
6. I	Describe corrosion control program as necessary
	Water demand for additional connections (MGD)
	Number of each type of additional connections (residential, commercial, agricultural, industrial) to be served

•

<u>)</u>

ļ

...

١

•

.

4

•

.

• . .•

•			Existin	g Wells		•		
Well Identification	9W-2	9W-3	.9W-4	9W-5	9 w -6	9w-7	9w-8	9w-9
Size of Casing (in.)	12	12	12	İ 12	12	1 12	12	12
Depth of Casing (ft.)	105	120	109	111	111	114	108	117
Depth of Well (ft.)	113	129	115	116	117	126	118	125
Pump (type)	vertical turbine	vertical	vertical turbine	vertical turbine	vertical turbine	vertical turbine	vertical turbine	verti turbi
Pump Capacity (GPM)		1000	1000	1000	1000	1000	1 1000	1000
*see continuation	sheet.			1000	1000	1000	11000	1000
			Proposi	ed Wells				
Well Identification	9W-1	•	1	1				
Size of Casing (in.)	<u> </u>	<u>.</u>	<u> </u>		······	<u>.</u>	}	<u>!</u>
Depth of Casing (ft.)	100	<u> </u>	 .	<u></u>	i <u> </u>	· · · · · · · · · · · · · · · · · · ·	 	
Depth of Well (ft.)	120	<u></u> }	1		<u>. </u>		<u>.</u>	i
Pump (type)	vertical turbine	ļ	<u>.</u>	1	<u> </u>	;; ;		1
Pump Capacity (GPM);		1		·· ····	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	<u>.</u>
ype of well construction	scree	ned.			·	······································		!
asing material <u>steel</u>				· · · · · · · · · · · · · · · · · · ·	Ac	uifer <u>sur</u> f	licial	
ive all geological data.	including la	og af test we	ells or wells	in vicinity.				eports.
escribe possible source				-				- F

PART D - SURFACE SUPPLIES - N/A

1. Name of stream, lake, or pond _____

2. Show by attached map watershed, towns or communities above intake, industrial plants, and in immediate vicinity, to house, picnic ground, abattoirs and other sources of pollution, with distance from intake. Locate intake on map.

3. Size of watershed in square miles

Est. Min. dry-weather flow intake

4. Basis of min. dry-weather flow estimate_____

5.	Existing Raw Water Pumps	Proposed Raw Water Pumps
Туре		
Capacity		
Section		
Discharge Head		

ì

.

PART C - WELL SUPPLY - continued

.

·			Existing	Wells		-	
Well Identification	9W-10	9W-11	9W-12	9 ₩ -13	9W-14	9W-15	
Size of Casing	12	12	12 İ	12	12	12	
Depth of Casing	102	100	110 İ	112	107	106	
Depth of Well	120	120	121	116	121	120	<u> </u>
Pump (type)	vertical turbine	vertical turbine	vertical turbine	vertical turbine	vertical turbine	vertical turbine	<u> </u>
Pump Capacity (GPM)		1000	1000	1000	1000	1000	<u> </u>
· · · ·						······································	
,, <u></u> , <u></u> , <u></u>		<u></u>	Proposed	Wells			
Well Identification						Ì	l.
Size of Casing		•	 	-		<u> </u>	<u> </u>
Depth of Casing	<u>·</u>		.		; 		I
Depth of Well i				<u>_</u>			i
Pump (type)		<u></u>	• •		: i	I	
Pump Capacity (GPM)	<u> </u>					· · ·	i
					Aqu	ifer	
					^^_		
asing materiai			-	vicinity.		ifer	
asing materiai ive all geological data, i	including log	g of test well	s or wells in	•		ifer	
asing materiai ive all geological data, i	including log	g of test well	s or wells in	•		ifer	
asing materiai ive all geological data, i	including log	g of test well	s or wells in	•		ifer	
asing materiai ive all geological data, i	including log	g of test well ination (parti	s or wells ir iculariy thos	•	of well).	ifer	
asing materiai ive all geological data, i escribe possible source	including log es of contami	g of test well ination (parti PART D	is or wells in icularly thos - SURFA	e within 100	of well).	iler	
asing materiai ive all geological data, i escribe possible source I. Name of stream, lake	including log es of contami e, or pond	of test well ination (parti PART D	is or wells in icularly thos - SURFA	e within 100	of well).		
asing materiai ive all geological data, i escribe possible source I. Name of stream, lake	including log es of contami e. or pond	p of test well ination (parti PART D 	s or wells in icularly thos - SURFA	e within 100	of well).	ants and in imme	
asing materiai ive all geological data, i escribe possible source I. Name of stream, lake 2. Show by attached may house, picnic ground	including log es of contami e, or pond up watershed, d, abattoirs ar	p of test well ination (parti PART D 	s or wells in icularly thos - SURFA mmunities a urces of poll	e within 100 ACE SUPF	of well). PLIES industrial pla listance from	ants, and in imme in intake. Locate i	ntake on m
 I. Name of stream, lake 2. Show by attached may house, picnic ground, 3. Size of watershed in s Est. Min. dry-weather 	including log es of contami e, or pond up watershed, d, abattoirs ar square miles	g of test well ination (parti PART D - towns or co nd other sou	s or wells in icularly thos - SURFA mmunities a urces of poli	e within 100 ACE SUPF	of well). PLIES industrial pla listance from	ants, and in imme n intake. Locate i	ntake on m
asing materiai ive all geological data, i escribe possible source: I. Name of stream, lake 2. Show by attached map house, picnic ground 3. Size of watershed in s Est. Min. dry-weather	including log es of contami e, or pond up watershed, d, abattoirs ar square miles r flow intake	g of test well ination (parti PART D 	s or wells in icularly thos - SURFA mmunities a urces of poli	e within 100 ACE SUPF	of well). LIES industrial pla listance from	ants, and in imme n intake. Locate i	
asing materiai ive all geological data, i escribe possible source: I. Name of stream, lake 2. Show by attached map house, picnic ground, 3. Size of watershed in s Est. Min. dry-weather 4. Basis of min. dry-wea	including log es of contami e, or pond up watershed, d, abattoirs ar square miles r flow intake ather flow est	p of test well ination (parti PART D 	s or wells in icularly thos - SURFA	e within 100 ACE SUPF	of well).	ants, and in imme n intake. Locate i	
asing materiai ive all geological data, i escribe possible source: I. Name of stream, lake 2. Show by attached map house, picnic ground, 3. Size of watershed in s Est. Min. dry-weather 4. Basis of min. dry-wea	including log es of contami e, or pond up watershed, d, abattoirs ar square miles r flow intake ather flow est	g of test well ination (parti PART D 	s or wells in icularly thos - SURFA	e within 100 ACE SUPF	of well).	ants, and in imme n intake. Locate i	
asing materiai ive all geological data, i escribe possible source: I. Name of stream, lake 2. Show by attached map house, picnic ground, 3. Size of watershed in s Est. Min. dry-weather 4. Basis of min. dry-wea	including log es of contami e, or pond up watershed, d, abattoirs ar square miles r flow intake ather flow est	p of test well ination (parti PART D 	s or wells in icularly thos - SURFA	e within 100 ACE SUPF	of well).	ants, and in imme n intake. Locate i	

•

• •

•

1

٠

}

2

)

٠

-

PART E - TREATMENT PLANT

1.	Ty	pe of treatment:
	a)	Pumping and disinfection X b) Conventional floc and settling c) Upflow
	d)	Demineralization (type)e) Other Lime softening, filtration, chloramination
2.	D€	esign details:
	a)	Emergency intake <u>N/A</u> bypass of raw water <u>N/A</u>
		Aeration: type <u>N/A</u> max. design rate detention
		orifices loss of head
	C)	Service pumps: existing (no. & cap.) <u>N/A</u>
		proposed (no. & cap.)
	d)	Disinfection: type disinfectant <u>N/A</u>
•		type, make, capacity and number of feeders
	e)	Auxiliary power <u>N/A</u>
	ſ)	Metering device and location <u>N/A</u>
	g)	Mixing cnamber (conventional): type <u>N/A</u>
•		dimensions Capacity Detention
		velocity (at maximum design rate) Allowable head: total
		per baffie mecnanical agitator: size blade
		motor peripheral speed bypass
		drainage
	ի)	Coagulating basins (conventional:N/A
		capacity Detention time at maximum plant capacity
		velocity capacity of each compartment
		Distribution flow: inlet devices outlet aevices
-	ī)	Suspended solids contact units (upflow)

Process	Diameter	Capacity	Upflow Rate	Detention Period	Overflow Rate
Softening					
Clarification]		

j)	Chemical dosing devices (other type disinfecting): N	/A
	Number of machines and type feeding: Alum	Lime
	coagulant aid (Name	Activated Carbon
	recarbonation	
	number and size of solution tanks	
	points of application	
	size and kind of piping	

ļ

.

)

.

r

÷ É

.

K) Filter units:

Ì

type, material, number units Dual media, reinforced concrete construction, 6 units
areas, dimensions, capacity of each unit for total plant 625 sq.ft. each (two sections at 12.5' x 15').
2.7 mgd each unit, 16.2 mgd total capacity
wash troughs, number and shape6 per filter (2 per section), oval, u-shaped
dimensions and distance above sand (top trough and top sand) 4.27 ft. top sand to top trough
spacing (canter to canter)
max. travel suspended particles 5.94 feet
filtering material: gravel (depth & size) $2"of 3/4" to 1/2"; 2"of 1/2" to 1/4"; 2"of 1/4" to 1/8"; 2"of 1/4" to 1/8"; 2"of 1/4" to 1/8"; 2"of 3/4" to 1/2" sand or other media (specify) 10" sand (0.45 < es < 0.55); 20" anthrarite (0.45 < es < 1.05)$
depth of bed depth of bed mean effective size (in mm.) 0.5 sand / 1.0 anthresit
uniformity coefficient <1.4 for sand, <1.3 for anthracite
filter bottom: type plastic lateral underdrain
ratio total area of perioration to sand area
materials: size and spacing on manifold23 orifices per s.f. of underdrain
periorations: size and spacing on laterals 1/4" diameter on manifold N/A
ratio: total area perforations to total cross-sectional area of laterals
manifold size and cross-sectional areaapprox. 1 s.f.
backwash pump(s): type and design rate vertical turbine, 6,250 gpm @ 35', 2 pumps
depth water on sand: maximum6.00' minimumN/A averageN/A
wash tank capacity550,000 gallons
Appurtenances: loss of head gauges <u>level measurement</u> rate of flow gauges <u>N/A</u>
rate controllers influent wirs
Clear well: location Filter Bldg. capacity 350,000 gal. dimensions 95.7' x 73.3':
Laboratory: room and bench space (areas) N/A 25.8 x 18.7 x 6.5 dec
scope of tests provided for
Bypass to plantN/A emergency intake
List type and capacities of emergency well and service pumping unitsN/A

ŕ

Attach schematic diagram, plans and specifications showing pump(s), pipe sizes, valves, etc.
 See attached engineering report, plans, and specifications.

)

ŋ

ḿ) n)

PERMIT APPLICATION ATTACHMENT

ENGINEERING REPORT

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT

WATER TREATMENT PLANT NO. 9 IMPROVEMENTS ADDITION OF REPLACEMENT FILTERS, WASHWATER RECOVERY, AND SLUDGE HANDLING FACILITIES

MARCH 11, 1993

PURPOSE

.

The purpose of this report is to support the permit application to the Palm Beach County Public Health Unit (PBCPHU) for the construction of filter improvements, washwater recovery facilities, sludge handling facilities, and raw water well 9W-1 at Palm Beach County Water Utilities Department's Water Treatment Plant No. 9 (project number WUD 91-64).

INTRODUCTION

Water Treatment Plant No. 9 (System 9) is a conventional 14 million gallons per day (mgd) lime softening water treatment plant located in the southern region of Palm Beach County in western Boca Raton. System 9 currently consists of three treatment trains of 10 mgd, 3 mgd and 1 mgd capacities supplied by 14 existing 1,000 gpm raw water wells located on and around the plant site. The proposed filter improvements are designed to increase the filtering capacity of System 9 and to prepare for future plant expansion when system demand warrants. An overall plant capacity increase is not requested with this permit application. The washwater recovery basin and sludge handling facilities are to provide for recovery of as much raw water as possible and for more efficient sludge handling. The original raw water well 9W-1 was abandoned when a casing joint failed. Therefore, a new well is proposed to make up for the lost well. A description of each proosed system is presented below followed by a table summarizing the design parameters for the major proposed equipment.

FILTERS

ł

)

Six new dual media filters are proposed for this project. The initial filter rate for the proposed filters is 3 gallons per minute per square foot (gpm/sf) resulting in a total capacity of 16.2 mgd or a hard capacity with one unit out of service of 13.5 mgd. The County will initiate a program to uprate the filters to 4 gpm/sf immediately upon construction and certification for service of the proposed facilities. This will give the new filters a total capacity of 21.6 mgd with a capacity of 18.0 mgd with one filter out of service. Therefore, PBCWUD is requesting a 4 gpm/sf filter loading rate approval from PBCPHU under this permit with a specific condition for successful uprate testing. The uprate testing will follow the criterial outlined in the October 9, 1981 memorandum from William L. Buzick of the Florida Department of Environmental Regulation concerning uprating of water treatment plants. The proposed facilities are designed to replace all

-1-

the existing filter capacity; however, should the cost of equipping all of the filter units become excessive, PBCWUD may elect to only replace the filter capacity of the 10 mgd treatment train.

The total 42-inch media depth in the filters comprises 12 inches of gravel, 10 inches of sand, and 20 inches of anthracite. Also included in the filter structure are two air scour blowers for use during the backwash cycle, a 350,000 gallon clearwell containing two backwash pumps and two transfer pumps. The transfer and backwash pumps are the same size and arranged to provide backup capacity. Therefore, backwash pump 1-P-3301 is a backup pump to the transfer pumps and transfer pump 1-P-3701 acts as a backup to the backwash pumps.

WASHWATER RECOVERY

)

A new washwater recovery system is to be constructed. The proposed washwater recovery system consists of a 550,000 gallons washwater basin, two washwater recovery sludge pumps, and two washwater recovery return pumps. Solids from the backwash from the filters will settle in the washwater recovery basins. Sludge pumps located on the bottom of the basin will pump the settled solids to the sludge thickener. Washwater return pumps will return the supernate to the head of the treatment plant. A portion of the existing storm water retention pond will be converted to an emergency washwater pond as backup to the proposed washwater recovery system.

SLUDGE HANDLING FACILITIES

The proposed sludge handling facilities consists of sludge blowdown pumps, a sludge thickener, a vacuum filter, and associate equipment. Five new pumps will be installed in three existing sludge pits to transfer the sludge blowdown to the proposed thickener. The existing sludge pits are to be modified to prevent the current sludge overflow conditions and accommodate the new pumps. Two thickened sludge pumps will transport the thickened sludge from the thickener to the vacuum filter. The thickened sludge will be dewatered using a vacuum-assisted belt filter. Dried sludge will be carried to a waiting transport via conveyors. An emergency sludge lagoon will be constructed as backup for the proposed sludge handling facilities. The supernatant from the sludge thickener and the filtrate from the vacuum filter unit will be returned to the washwater recovery basin.

WELL 9W-1

During a well rehabilitation project in 1991, raw water well number 1 experienced a joint failure in its inner casing. Because the failure could not be repaired, the well was sealed and abandoned. The proposed new well will replace the lost well. The new well will be constructed near the abandoned well and is expected to provide a capacity of approximately 1,000 gpm.

SUMMARY

Palm Beach County Water Utilities Department is proposing to replace the existing filters at Water Treatment Plant No. 9 with six filters rated at 2.7 mgd each initially, and 3.6 mgd after the uprating testing program. In addition, a wash water recovery system and sludge management facility are being added in an effort to conserve water and to provide a more aesthetic environment. Finally, PBCWUD proposes to construct a new raw water well to replace original well 9W-1, which failed and had to be abandoned. The proposed construction will replace and enhance existing facilities.

Equipment	Size	Rate	No. Units	Total Capacity	Total Capacity With Largest Out of Service
Filters (each) ^a	625 sf	3 gpm/sf	6	16.2 mgd	13.5 mgd
After Uprating	625 sf	4 gpm/sf	6	21.6 mgd	18.0 mgd
Air Scour Blowers ^b	120 hp	2,500 scfm	2	5,000 scfm	2,500 scfm
Max Scour Rate		4 scfm/sf		5,000 3011H	2,500 Serm
Backwash Pumps	100 hp	6,250 gpm	2	12,500 gpm	12,500 gpm ^c
Max Backwash Rate		20 gpm/sf			12,500 gpm*
Normal Backwash Volume	235,000 gal			·	
Transfer Pumps	100 hp	6,250 gpm	2	12,500 gpm	12,500 gpm ^d
Washwater Recovery Basin e		555,000 gal	1	550,000 gal	(18 mgd)
Washwater Recovery Sludge Pumps ^h	15 hp	350 gpm	2	700 gpm	350 gpm
Washwater Recovery Return Pumps	25 hp	1,000 gpm ^f	2	2,000 gpm	1,000 gpm
Sludge Blowdown Pumpsg, h	15 hp	175 gpm	5	875 gpm	700 ~~~
Sludge Thickener Basin	50 ft	190,000 gal	1	190,000 gal	700 gpm
-	diam.	35 ppd/sf	-	35 ppd/sf	
Thickened Sludge Pumpsh	10 hp	160 gpm	2	320 gpm	160 ppm
Vacuum Filter	10 ft	45 lbs/sf/hr	ĩ	45 lbs/sf/hr	100 phu
	diam.		-	10 100 85 m	
Hrs Operation/Day	6 hrs				
Emergency Sludge Pondi	66,000 cf				
Well No. 9W-1	12 in diam.	1,000 gpm	1	1,000 gpm	

DESIGN OF MAJOR EQUIPMENT

а Specified filter bottoms include Leopold and General Filter.

b Positive displacement type. С

. .

)

ļ

)

Arranged such that transfer pump may be used as backup to backwash pumps. đ

Arranged such that backwash pump may be used as backup to transfer pumps. e

Circular, with center sludge drop and dual slope bottom. Sized for two complete filter backwashes. f

Matches capacity of one well.

g Two each in softener units 2 and 3 sludge pits, one in unit 1 sludge pit. Unit 1 sludge pit connected to unit 2 sludge pit via gravity line.

h All sludge lines have flushing connections.

i Pond sized to hold 6 days of average sludge production.

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

(-

,

ł

PUBLIC WATER SYSTEM INFORMATION Public Water System I.D. Number: Public Water System Name:PAL Public Water System Type (check (x) Community ())	M BEACH COUNTY UTILITIES
LABORATORY CERTIFICATION INFORMATION Lab Certification Number: <u>86111</u> Parameter Group(s) Analyzed: <u>17-55</u> Subcontracted Lab Certification M	50.310 & 320
() Clearance () Ma (X) Raw () Wa () Special ampler Name, Title, Phone: PALM REBR	ALM BCH COUNTY CALLS - AND e): egular Distribution () Composite aximum Residence Time () Plant Tap
ANALYSIS INFORMATION Extraction Date (MMDDYY):	() Yes () No (; InorganicX_: TrihalomethaneX_: Volatile y ChamicalX_: Radiological_: Unregulated Pasticide : Unregulated Base Neutral
I do HERRBY CERTIFY that all data Signature: KERRY PRESCOTT	submitted are correct. Mail Results to the Appropriate DER OR ACPHC Office
Title: <u>DIRECTOR OF OPERATIONS, FL</u> Laboratory: <u>IEA, FLORIDA</u> Date: <u>01/03/92</u>	ORIDA
)	DER/ACPHC Reviewing Official:
Effective 08/01/89	Sample Interpretation (check one) () Satisfactory () Unsatisfactory

TRIHALOMETHANE ANALYSIS 17-550.310(2)(c) (FWS027)

			545:9	(FWS027))		
Para ID	neter NAME	Sample Number	Location Code	Analysis Result(mg/1)	Analytical Method	Det. Lt. Used	Analysis Date
Pote	ntial THM						
2950	TTHM	<u>91–3388</u>	<u>95 - RAW</u>	<u><0.001</u>	501.2	0.001_	12/20/91
			<u> </u>	· · · · · · · · · · · · · · · · · · ·			

Comments:

1

		VOLATILE ORGANIC ANALYSIS 17-550.31(2)(d) (PWS028)				
Para ID	meter NAME	Sys:9 Sample Location A Number Code Re	Analysis esult(mg/1)	Analytical Method	Det. Lt. Used	Analysis Date
29. _ /	Sthylene dibromide	<u>91-3388 RAW</u>	<0.00002	EPA_504	0.00002 1	2/18/91
2969	Para-dichloro- benzene	<u>91-3388 RAW</u>	<u><0_0005</u>	EPA 502.2	0.0005 1	2/16/91
2976	Vinyl chloride	<u>91-3388 RAW</u>	<0.0005	EPA 502.2	0.0005 1	2/16/91
2977	1,1,-dichloro- ethene	<u>91-3388</u>	<0.0005	EPA 502.2	0.0005 1	2/16/91
380	1,2-dichloro- ethane	91-3388 RAW	<0.0005	EPA 502.2	0.0005 1	2/16/91
*	1,1,1-trichloro- ethane	<u>91-3388 RAW</u>	<u>≺0.0005</u>	EPA 502.2	0.0005 1:	2/16/91
:982	Carbon tetrach- loride	91-3388 RAW	<u><0.0005</u>	EPA 502.2	0.0005 1	2/16/91
984	Trichloroethene	91-3388 RAW	<u><0.0005</u>	EPA 502.2	0.0005 1	2/16/91
987	Tetrachlorethene	91-3388 RAW	<0.0005	EPA 502.2	0.0005 12	2/16/91
990	Benzene	91-3388 RAW	<u>≺0.0005</u>	EPA 502.2		

f^{nts:}

TURBIDITY ANALYSIS 17-550.310(3) (PWS026)

		545-9	(PW5026)		
Parameter ID NAME	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100 Turbidity	<u>91-3388</u>	RAW	0_37_	214.A	<u>12/30/91</u>

Comments:

ł

INORGANIC ANALYSIS 17-550.310(1) (PWS030)

	Paran ID		Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
		Arsenic	<u>91-3388</u>	RAW	< 0.01	206.2	0.01	01/02/92
	1010	Barium	<u>91-3388</u>	_RAW	< 0.1	208.1	0.1	01/02/92
	5 بر	Cadmium	<u>91–3388</u>	_RAW	<u>< 0,005</u>	213.2	0,005	01/02/92
	1020	Chromium	91-3388	_RAW	0.0089	218.2	0.005	12/19/91
	1025	Fluoride	<u>91-3388</u>	RAW	0.35	<u>413.B</u>	0.05	<u>12/19/91</u>
	1030	Lead	<u>91–3388</u>	- RAW	< 0.005	239.2	0.005	12/20/91
	1035	Mercury	<u>91-3388</u>	RAW	< 0.002	245.1	0.002	<u>12/19/91</u>
Ì	1040	Nitrate (as N)	<u>91–3388</u>	RAW	< 0.02	<u>418.F</u>	<u>0.02</u>	12/26/91
	1045	Selenium	91-3388	RAW	<u>< 0.01</u>	270.2	0_01	01/02/92
7	1050	Silver	<u>91–3388</u>	RAW	<_0_01	272.1	0_01_	12/19/91
	1052	Sodium	<u>91–3388</u>	RAW	26	273_1	1.0	12/23/91
	Comme	ents:			•			

)fective 08/01/89

ť

	;		SECONDAL	RY CHEMICAL 1 17-550.320 (PWS031)	ANALYSIS		-
'araı .D	neter NAME	Sample Number	Sys:9 Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
.016	*Calcium	<u>91–3388</u>	RAW	124	<u>311.A</u>	1.0	12/30/91
.017	Chloride	<u>91-3388</u>	RAW	<u>. 42 · · </u>	407.A	1.0	12/18/91
.019	*Carbonate CaCO3	<u>91-3388</u>	RAW	< 1.0	203	1.0	01/03/92
.021	CaCO3 *Hydroxide CaCO3	<u>91-3388</u>	RAW	< 1.0	203	1.0	01/03/92
022	Copper	<u>91–3388</u>	RAW	< 0.005	220.1	0.005	12/19/91
.923	*Bicarbonate CaCO3	<u>91-3388</u>	RAW	270	203	1.0	01/03/92
.025	FluoridePl	ease ente	er as prim	mary on scree	en PWS030		
.0' 	3icarbonate HCO3	<u>91–3388</u>	RAW	329	203	1.0	<u>01/03/92</u>
.027	*Hydrogen Sulfide	<u>91-3388</u>	RAW	< 0.01	<u>427.D</u>	0.01	12/27/91
.028	Iron	<u>91–3388</u>	RAW	0.098	236.1	<u>0.05</u>	12/19/91
.031	*Magnesium	<u>91–3388</u>	RAW		242.1	1.0	12/20/91

ţ

. . :

.016>	KCalcium €	<u>91-3388</u> _	RAW	124	<u>311.A</u>	1.0	12/30/91
.017	Chloride	<u>91-3388</u>	RAW	42	<u>407.A</u>	1.0	12/18/91
.019>	¢Carbonate CaCO3	91-3388 .	RAW	< 1.0	203	1.0	01/03/92
.021×	KHydroxide CaCO3	<u>91-3388</u> _	RAW	< 1.0	2 <u>03</u>	1.0	01/03/92
022	Copper	<u>91-3388</u>	RAW	<u>< 0.005</u>	220.1	0.005	12/19/91
23	KBicarbonate CaCO3	<u>91-3388</u> _	RAW	270	203	1.0	01/03/92
.025	FluoridePle	ease enter	r as prim	ary on screen	PWS030		
.0' 	Bicarbonate HCOB	<u>91-3388</u> _	RAW	329	203	1.0	<u>01/03/92</u>
.027*	Hydrogen Sulfide	91-3388	RAW	< 0.01	427.D	0.01	12/27/91
.028	Iron	<u>91-3388</u>	RAW	0.098	236.1	0.05	12/19/91
.0311	Magnesium	<u>91–3388</u> _	RAW	2.6	242.1	1.0	12/20/91
.032	Manganese	<u>91-3388</u> _	RAW	< 0.005	243.2	0.005	01/02/92
055	Sulfate	91-3388	RAW	24	426.0	1.0	12/23/91
95	Zinc	91-3388	RAW	0.14	289_1_	0.05	12/27/91
.901	Carbon Dioxiode	; <u>91-3388</u> _	RAW		<u>406.A</u>	1.0	<u>01/03/92</u>
.905	Color .(color units)	<u>91-3388</u> _	RAW	30	204.B	1.0	01/03/92
9153	Total	,		tin Artista			
.0104	Hardness	91-3388	RAW	280	130.2	1.0	12/17/91
.9	NCH as CaCO3	<u>91-3388</u> _	RAW		203	1.0	<u>01/03/92</u>
1920	Odor (total odor number)	<u>91-3388</u>	RAW	≤_1	207	1	12/17/91
¹ omme	nte.						•

Comments:

-

· · -·

• `+

_. `

. 3

·· · ·

1.4

- · · ·-

.

SECONDARY CHEMICAL ANALYSIS 17-550.320 (PWS031)

			Sysig	(2			
Para ID	meter NAME	Sample Number	Location	Analysis Result(mg/1)	Analytical Method	Det. Lt. Used	Analysis Date
1924	Field pH (units)	,					,,
1925	*Lab pH (units)	<u>91-3388</u>	RAW	7.42	423		12/17/91
1926	Field Conductivity			· · ·			
1927:	*Total Alkalinity	<u>91-3388</u>	RAW	270	403	1.0	12/19/91
1930	TDS	<u>91-3388</u>	RAW	830	209_B	1_0	12/20/91
1931	Phenolphta- lein Alk.						
	Field Temp (C)		<u> </u>				
1997	Langelier Index pHs	<u>91–3388</u>	RAW	6.8	203		01/03/92
1998*	Saturation	<u>91-3388</u>	RAW	+_0_62	203		01/03/92
1	Stability Index	<u>91–3388</u>	RAW	6.18	203	<u></u>	01/03/92
	Foaming Agents	91-3388	RAW	<u><_0.05_</u>	<u>512.A</u>	<u>0.05</u>	01/02/92
7 9996	Field DO	<u> </u>					<u> </u>
	Fiel d Chlorine						

Comments:

(

*OPTIONAL--NOT REQUIRED BY RULE

•

ORGANIC CHEMICAL ANALYSIS 17-550.310(2)(A)(B) (PWS029)

			583.1				
Para ID	neter NAME	Sample Number	Location Code R	Analysis lesult(mg/l)	Analytical Method	Det.Lt. Used	Analysis Date
2005	Endrin	<u>91-3388</u>	RAW	<u><0_00002</u>	608	0_00002	01/03/92
2010	Lindane	<u>91-3388</u>	RAW	<u><0.0002</u>	<u>608</u>	0.0002	01/03/92
2015	Methoxychlor	<u>91-3388</u>	RAW	<u><0.0001</u>	608	0.0001	01/03/92
2020	Toxaphene	<u>91-3388</u>	RAW	<u><0.005</u>	608	0.005	01/03/92
2105	2,4-D	<u>91-3388</u>	RAW	<0.1	<u>509.B</u>	0.1	12/29/91
2110 š	2,4,5-TP (Silvex)	<u>91–3388</u>	RAW	<0.01	<u>509.B</u>	0.01	12/29/91
							
		······································		<u> </u>		<u> </u>	— <u></u>

Commonts:

fective 06/01/89

MAXSON WELL DRILLING, INC.

PHONE: 564,3419 FT. LAUDERDALE

}

. MAXSON, Jr. - Pres.

WELL DRILLING WATER PUMPS, TANKS PIPE AND FITTINGS 3328 N.E. 11th AVENUE OAKLAND PARK, FLA. 33334

P.O. BOX 23244 OAKLAND PARK 33307

K. TYSKA - Sec'y. - Treas. 14-1152 Maxion wer prig

1/31 Cable tool well (spoke w! greyland Neckon (167-9133

The following is the only information I found on the two previous wells:

#1 Well-10" Well done for United Utilities Corp. of Fla, Margate, Fla. in Julg of 1970.

Cased to 160' Total Depth 170' Pump tested 21 Hrs. (580 GPM with 4'll" DD (975 GPM with 6'5" DD

_well	LLOg

40' to 50' Sand 50' to 90' Sand 90' to 102' Rock 102' to 115' Rock a nd sand 115' to 155' Sand and rock 155' to 170' Rock	1
155' to 170' Rock	

<u>#2 Well-12" Well done for Sandalfoot Utilities Corp.</u>, Boca Raton, Fla. in May, 1972.

Cased to 105' Total Depth 113' Pump tested 8 Hrs. 1050 GPM with 10'1" DD (Water table 5'1")

	<u>Well Log</u>	-
0'	to 20'	Sand and rock
20'	to 85'	Sand
85'	to 100'	Rock and sand
100'	to 113'	Rock

A 144

See other pages for information on #3,4,5,6,7

RECEIVED MAR 2 0 1981

į

BANGON TYLE DEIMENDE, INC.

Tator Treatment Plant Expansion Phase III Youth sala Ecach Utilities Corp.

Dato-January 22, 1974

)

į

'ell 3-12" Static Level 8' from top of ensing

Tipe		<u>G P15</u>	Drawdown	•
7:45	F E	1200	512"	•
8:15	FL	1200	G*2"	•
8:45	3 T • 174	1140	6*2"	
9:15	أمدع	1150	G12"	
9 :45	PH .	1150	615m	
:15	142	1150	615"	•
-10:45	741	1140	6†5¤	
11:15	РМ	1140	G*5"	
11:45	PM -	1140	G*5*	
12:15	АМ	1150	G*O*	
12:45	۸.: <u>`</u>	1150	5*7"	

<u>"ell Lóg</u>

0 - 20' Sand and rock; 20' - 45' Sand; 45' - 70' Sand; 70' - 90' Sand; 90' - 120' Rock and Sand; 120' - 129' Rock. Cased to 120' Total Depth 129'

,

Jobshinzy 6, 1974

· ••••

Tatur Prestment Plant Examples have 111 South Cals Fouch Stilitics Corp.

late-Jobrany 6, 1974

.

ł.

3

J

Tell 4-12" Static Level 6*8" from top of easing

Ring	<u>G191</u>	<u>Dravelo m</u>
6:30 AT	1025	6100
9:00 AT	3025	G*0"
9:30 AM	960	615"
10:00 AL	960 -	6171
10:30 AT	<u>^60</u>	6*9#
11:00 45	970	7^{*}
11:3% AM	1040	7110"
12:00 90	1040	7* <u>1</u> 0"
12:30 (1	2040	7120"
1:00 23 - 5	-* 1040	11JUN
1:30 1:	2040	71530
	2040	71.25
2:50 31	104	资本合作。 1
3:00 41	1040	7*5(**
9:25 N.	1040	7193 1
	· · · · · · · · · · · · · · · · · · ·	

<u>Tell Lor</u> 0 - 15' Sand and pook; 15' - 40' Jani; 40' - 15' Sand; 15' - 80' Sand; 80' - 105' Rock and grups; 105' - 115' Rock Shaed to 169' Teret Locate taget February 14, 1974

Water Treatment Mant Expansion Phase III South Faim Reach Utilities Corp.

Date-February 14, 1974

"cll :5-12"

1

3

Static level 7'10" from top of ending

<u>Tipo</u>	<u>G F71</u>	<u> Drawdorm</u>
9:45 AM	1010	917"
10:15 AT	1010	: 1011"
10:45 AL	1000	10*4*
11:15 AM	1000	10 <i>14</i> ª
11:45 八百	1000	16*4*
12:15 FM	960	1016"
12:45 22	1000	10,17,
1:15 PH	1000	10'12"
1:45 11	1000	77.00
2:15 PM	1000	21'0"
2:45 711	1000	10*0*
0:15 FM	1000	10*8*
5:45 PH	1000	10*3"

3:50 HM Recovery of water table 7'10" from top of easing.

Tell Log

0 - 15' Sand and rock; 15' - 35' Sand; 35' - 60' Sand; 50' - 85' Sand; 85' - 110' Rock and sand; 110' - 116' Rock. Cased to 111' Fotal Depth 116'

MAXSON WELL DRILLING, INC.

, HONE: LO 4-3419 FT, LAUDERDALE

C. B. MAXSON, JR . PRES

WELL DRILLING WATER PUMPS, TANKS PIPE AND FITTINGS 3328 N. E. 11TH AVENUE OAKLAND PARK, FLA,

Durch 6, 1974

Tater Treatment Float Expansion Space III South Inla Foach Utilities Corp.

Into-Tarch 6, 1974

" Well .6-12" Static level 7'1" from top of casing

DITE	<u>6775</u>	DRATDOFF
9145 At	1100	7*8*
10:15 AM	1150	g#
10:45 AM	1150	9 *3 *
11:15 AS	1150	9*4 [*]
-11:45 AT	1200	91430
12:15 Ht	1150	9* <u>9</u> *
12:45 72	11 0	9*9* .
1:15 18	1150	9 *1 0"
1:45 194	1100	9 #9 #
2:15 ·M	1150	9*10*
2:45 PM	1150	9*9#
3:15 FI	1100	\$ ₽ 9#
3:45 FE	1530	3131

Tell Log

0' - 20' Sand and rock; 20' - 45' Sand; 45' - 65' Sand; 65' - 90' Sand; 90' - 110' Rock and sand; 110' - 117' Rock. Cased to 111' Total Douth 117'

P 0. BOX 23244 OAKLAND PARK 33307

K. TYSKA . SECY. . TREAS.

÷, etc.	
, T	
	County Palm Beach
1	Well Permit No. 9244
t	A A A A A A A A A A A A A A A A A A A
	Department at Health and Rehubilitative Services #6
ļ	IRTREAU OF SANITARE EERING
	Data Stamp Sakeware commences
.	WATER SUPPLY WELL LOG
!.	Well to serve: <u>Jandalfoot ove</u> Poga Raton City - Town - Delivision - Etc. Well location: <u>Sandalfoot Cove</u> , Boca Raton
<i>.</i> :.	City - Yown - Celivision - Etc.
	Hearest Post Office: Section: 30Twsp: 47.3Range: 42.9
	Direction from Post Office: Distance from Post Office:
\$.	· · · · ·
•••	Driffer: Maxgon Wgll Dwilling, Inc. Address: 3328 NE 11th Ave., Oakland P. P.
۰.	Can site be flooded? (Yes) (No) Elecation: fee (Reference Mean Sea Level)
··-	Date well started: 2-26-74 Date completed: 3-6-74
; -	ites and lengths of casings $1 - 22$ test of 12 in 4 - 20 12 in 1 - 9 test of 12 - in
	Total depth cased: Depth of well: 117!
	notion of casing seated at 110 ⁴ toot depth.
•••	Does water flow at surface without pomping. <u>BO</u> Sectoral yield, if flowing
}	It not flowing, how far below sufface down it stand?
「日本	Yretd by pumping 1350 (024. Now many feet is mater lowered by pumping? 910"
£	Water quality group . For what purpose as Jater to be used?
۰.	Below on this sheet give Driffer's Log, record of cavition, analysis of water and other facts not provided for above — Continue on wark, if accessary. Note each material found:
	Sand & rock 0 - 101; Stand 20 - 451; Sand 45 - 651; Sand 65 - 901;
	Rock and sand 90 - 1101; Rock 110 - 1171,
444	Person filling out blank,let stanty (yeks
JLe.	June 24, 1974
	It preferred the Burgau of Seulogy Belling States is a gal (OVER)

· •

.

MAXSON WELL DRILLING, INC.

P. O. BOX 23244

OAKLAND PARK 33307

K. TYSKA . SECY . TREAS.

HONE: LO 4-3419 FT LAUDERDALE

1

C. B. MAXSON JR - PRCS

WELL DRILLING WATER PUMPS TANKS PIPE AND HITTINGS 3328 N E 11TH AVENUE OAKLAND PARK, FLA.

Arr11 25, 1074

Tator Troatmont Finnt Expansion Those III South Talm Feach Stilities Corp.

Date-April 25, 1974

"cll :7-12"

Static level u'll" from top of casing

TINE	<u>0F1</u>	DRATDOTH
8100 AN	1040	8* 0 ⁿ
S:30 AM	1030	8110"
9±00 AH	1030	9*5*
9130 AM	10;30	9*10*
10:00 All	1030	10 *1 °
10:30 AM	1020	10*4"
11:00 AM	1020	10*3*
11:30 ĀX	1020	10*3* -
15:00 F.	1010	10*2*
12:50 PH	1010	10*5*
1:00 25	1020	10"2"
1:30 14	1010	10*2"
2:00 11	1010	10*2*

Final static level at 9'11" after 20 sinutes.

"<u>"ell Lor</u> O' - 20' Sand and rock; 20' - 45' Sand; 45' - 60' Sand; 60' - 85' Sand; 85' - 113' Rock and sand; 113' - 126' Rock. Cased to 114' Total Depth 126'

			· •				
		• 3		<u> </u>			
	,		Well	County Permit No.		each	<u>, , , , , , , , , , , , , , , , , , , </u>
)							Ţ
	Departs 	STATULE & BRENT of Health and DEVISION OF BURLAU OF SANTEA FOR HUM	1 Rehabilitative 1 (EALI) 11 ENGINEERING	Servicen	#7	•	
$0 < \infty$ Si sup				c	:		
		ATER SUPPLY		•	Ţ		•
Woll to serve:	C 1.	ty = town = p	VIIII TA LUTON	- 66.54		: .	• •
Nearest Post Office:			• •			•	E.
Direction from Post C					-		
usine positili andin Be		-					<u>on</u>
priffers avects [22]		-					
							et
Can site be flooded?					Sea Level)		
						in	ch
. Juzes and lengths of		· 20 · 22 · 12 feet	12^{-12}	······································		in	ch
Total depth cased:	<u> </u>	bep!	i of well:	1261		<u></u>	
Bottom of casing sea	(ed.at. <u>]]5</u> (·	depth.		• •		
. Does water flow at s	urtado vétholo	្រមណ្ឌ៖ ហ	no Natu	cal vield,	if flowing	<u> </u>	. (
If not flowing, now	ive below south	Livia denos int	and?7	<u>1.57 m</u>			
<pre>> Yield by pumping _][</pre>	<u>), ()</u> (201, 1)	eg mante 1 en	L. water to	warea by pa	mping? <u>](</u>	<u>)†3"</u>	_
. Mater quality					•		
. Below on this sheet facts not provided i	uisas ais a tha a ta	a fairte das com	le cavitie	s, matysis	of water a	and other	
Sand & rock 0 -	101; and 2	4 <u>9 - 451;</u> E	n <u>nd 45 - 1</u>	<u></u> :	<u>60 - 851</u>		<u> </u>
Rock & sand 85	<u>- 13 (; atra :</u>	113 - 10	<u>+</u>				
	. <u> </u>			, 			
r pf person filling oo	u black: <u>201</u>	anter i d	1-1				
) te: June 24, 1974							. —
it: If preferred the Hureau of					•	(Over)	

ter angle en ser e DEPARTMENT OF ENVIRONMENTAL REGULATION WW.50-48440 L Deesming 1 Property WELL COMPLETION REPORT E) Other OWNER: FJ JLOFTA PLOKM BENDEN MF. WELL NUMBER SJCOB STATE ROLD TYPE OF WELL: IN Wester West El Yest Well [] Rechaider [] Drainado BICKALRAEODITTTAKAT USE: | Domestic | I trigation | | industrial | | Livestock | M Public S 1 Come Zm Cn SKETCH LOCATION OF WELL in relation to incal landmarks, giving distant incol lister magnitude, fairly of their informate boost WELL LOCATION: Ť - of Section [] North THE NU PRI LE WI KIALOOKI SICHTARE AD 711 Street/Re CIAL LIDANTT 20 FADICA FIATON 239 KM BERCHI OWNER WELL NUMBER OR NAME: 1(9 DRILL METHOD: .! | Rotary W Cable Tool (1 Jan 1) Auge 11 Other: Steel Dia. (In.) Sind Owner (In.) To Schedule Joints-GEOPHYSICAL LOGS: Type āv; Exemine cuttings at 20 fL or smaller intervals and at changes, Give color, grainstier and aros of material, Note any cavitiet, indicate producing zones, Attach additional strens if necessary, WELL LOG Depth (F1.) Caung Sure Un.I Sore (fote (in.) 49.56 (A53) 0 1114 500 4739 7.302 0 21 16 70 From \mathcal{D} 18 ight BADDO SAND 10 12 \mathcal{O} 21 11 2 12 4 wL 26 Describe Material: TC + Threaded and Country, TCW + Threaded, Countert, and Welderl, SCOR SAELL W = Welced, B = Bended IPYER, O = Other 12 26 MED. FINE TAN SANDY 50 GROUT: 11 None & Near Connent 1 | Other SOME SHELL Type and Percent of Andrews and Grout Volume or No of 94 lb Sacks from (Ft) To (Ft) 56 LIGHT BROWN MED FINE SPA 12 50 13 Steks NEAT BETLAND 26 .0 [9 11 11 FINE SAND la, 57. Ż8 IGHTGRAY MED. SAWD FIRITSH: M Open Hote (| Perforated or Stotiest Casing | 1 Grav 14 1 Sandboint or Screen Attached to Well Casing 11 Sandy new or Scines 11 WR . WARSESAN. Plessopen with Packer Inside Casing (Packer Material 112 GRAV SAND Y ROCK he (in) Side (in.) (Ft.) τ₀ (Ft) Sendon nt/Screen Material GRAY GANDAOCK (GOLD 123 12 GRAY SANDROCK (Good 123 1.1 Other Function OUALITY TEST IN Inne || Asime || Comment TO BE DUISE BY OTHERS. '. Sear (, Georen () Sulphur () Sally () from () Orner Gen ductance Micromhold Chine atte Tendenis Times and the second nH _____ Iemo _____ (Qate) VELUTEST, Az. () Standard Flow () G. M. () Markets S. Barter, C. Bern and Stang, () Lett Range () Standard Bact and Marketst Barters, () Standard () Standard General Research Barters, () Standard () Makemenn, () Other _____ Manage and States and Anna (1 + 1 - 1/B// 1-). Manual Parada Maria Son: 1 1.1 1- 22851% WELL EQUIPMENT, 1 | tons an Shell 11 turnestone Womer, A. DPCK 2.3. Demonstrat Process 1.2.3. Emissionary Process ng Zane 1//22 Ft., Ballom of Prof LJ,43[5]" ىلىمەرىمىدىغان () ئەر قارىغانىغان () (ئەرىكەن () () ئەرىكەن () () ئەرىكەن () () H Cutting Sant 10 Buleou DI 1. El Suesana - (3. Ciellan Attertor Aita in the 1/1016431 18131 131 Intake/Injection Develo [_____] Ft DEP FORM 17 1 122 F99

٠.

ľ

I,

j:

ALL ALL

ŧ.

DEPARTMENT OF ENVIRONMENTAL REGULATION والجا مهنجرو - - -----4-7-5-6-7-4-4-9-9-1-WELL COMPLETION REPORT ILONG __ UNNER SOLUTIA PARA BEATH 1052 WELL NUMBER RECORDENS BOUNDER RALT 111 TYPE OF WELL: [Winater Well | | Teel Well | | Recharge || Draining | | Water Depond || | Observation || Other BUCH MAPERINI LI FRANK USE: (1 Dominine 1 !! Irrigation () industrial () Envisions (A Public Supply כבנים כדנו לנווט 1.000-SKFTCH I DCATION OF WELL in relation to tocal landmarea, groing distance and direct start form mental lume, shell, or other reference print. WELL LOCATION: 1 60 2 of Section []] North 177 IN.ST (40) IN.ST ι. Landude . Longitude Locate in Section 6 1 REPORT BUTTING STATE RUN 171 MILLICAL INSPECTATION FOR 金融に行いていたと FILM RIAZORI PIALVI BUTANK OWNER WELL NUMBER OR NAME: סע DRILL METHOD: I Antery IV Cable Took | | Jet | Auge () Oilen GEOPHYSICAL LOGS: Type: By: SURFACE CASING, CASING, AND LINER MATERIAL: WELL LOG Examine cuttings at 20 ft, or smaller intervals and at changes, Give color, grainaise and type of material, Note any canities, Indicate producing zones, Attach additional sheets if necessary. Depin IFI. Sorr Hole Caung Size (In.) Te from 1000 12 - BEOWN SAND, SHELL & Rock 12 28 ŝ Q 10 MED COPRSE SANDYSHELL Describe Material: * TC - Threaded and Coupled, TCW - Threaded, Coupled, and Welded, 28 £5 Q FINE LIGHT BROWN SAND Win Weided, 8 + Bonded (FVC), O + Other ļ $\mathcal{A}_{\mathcal{S}}$ 55 Light TAN SAND 12 GROUT: 11 None M Neat Coment 11 Datest. 72 Uttithe DEND Type and Percent of Additives and Grout Volume or Number of 94 th, 5-245 12 551 ħ Fren IF. 1 Te (5) 1 93 Light GRAY JAND 13 173 135A745 AIEAT FERTARIO 7 ł ITED COARSE GRAY EAND 13 27 & Rock FINISH: N Ocen Hole [] Perforated in Statiou China [] Gravel Park [] Sandpoint or Screen Assached to Well Casing [] Sandpoint or Screen GRAY SANDROCK ίŸ Gaan 12 12 Telescopers with Packer Inside Casing (Packer Material) Dia. (In.) Sign From To Size (In.) (Fr.) (Fr.) Sandopint/Screen Material {] Other Finish: _ QUALITY TEST: IN NOME | BARTERS - 11 CONTINUES の日本ので、日本の日本のないで、日本のです。 I Crew | | Colorert | | Sulphur | | Sally | | from | | Other Harence Macromhosi Chicanie PH []] Temp []^K Wet Dunlagent if the 1 Yes. (Date) WELL TEST, to - 1: house from / [[] GOM - 11 Autor Conter a Second Second Street Street Conter to Barrie Street Fillerine is transforment, tennare is Volumenie | (Olive . 511 Sec. 10 Advanced Status Harris Loop () + 1 + 1/// re-1.4 9.10 Alm El Trama Al Addelana Winner 1/19 12 . Warn Contract of the ł Contract Contractions Terist Denin TARR Ft. Producios Zone Material: | 1 Sand | 1 Shell ------.... WELL FORSTMENT: LEGAN VEMANT LE VANANT a Shell II Limeson Mouher: SPLCA | | Stephispherics Purray | | | Emmissionary Printer hicing Zone Fight FL, Rettorn of Producing Zo 1/2/2/** Type Parmer (1) Contrologies (1) Cynosiae (1) and (1) Socialiaeada Curringe Sent 15-Queen 1.1 Judens [] Dibert to the NIGA Traz 111 Let. Intakefiniertaur Deuth OC IN FORMA 12-1,322 (198

DEPARTMENT OF ENVIRONMENTAL REGULATION WELL COMPLETION REPORT	11 Orer				
OWNER SUUTH PHUM BELACH WITH	WELL NUMBER				
REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A REAL AND A					
Roble Raisshirt HIADONT	TYPE OF WELL: Of Water (vel) Test Weil Recharge Dramage				
	USE: () Devices + ; Instation () Industrial () Liverstock - [H #ubic Supply				
La La La La La La La La La La La La La L	11 Ottom SKY I CELL UCA 140H OF WELL an interact to togat tandmarks, giving distance and direr-				
WELL LOCATION:	sons brans menecht sonne, erwalt au sollars jarlments ei (stats). North				
F171 [] IN SI [243] [] 44 WI					
Linestr in Section Lungstaue	+				
AND AND AND AND AND AND AND AND AND AND					
Number Strett/Asid					
Les No. Subdevision					
FAULTA REPORT PAULA BEACH					
OWNER WELL NUMBER OR NAME:					
DRILL METHOD:					
SURFACE CASING, CASING, AND LINER MATERIAL:	GEOPHYSICAL LOGS: Trole: Br' WELL LOG Fermine culting 41 20 ft, or smaller intervals and et				
Steef Dia. (IA.) Store Curture From To Schedule Jonata Diach Galv. S. Store Wt. (III /H.) Pauri Cours 7 (18-1) (18-1) No.	Bota Caring Depin (Fi.) Nore env covilla, prainitize and type of material, Note Size Depin (Fi.) Nore env covillas, Indicate producing somes, Attach				
A 49.50 (A03) 6 W/4 50 10	(in,) (in,) From To Contract Providence				
<u>701-1-17-74-4-071-17-1-</u>	12 C 12 MED COARSE SAND				
* Describe Material:	SAME SHELL				
W + Welded, B + Randred ID/CL, O + Other:	12 ar 19 MED COARSE LIGHT				
Type and Percent BI Additives and Great Volume or Numlimi of 94 In. Socks	BROWN SAND				
TASACKS NEAT FORTLAND Q 2	R 19 18 MED CORESE TAN SAUD				
GSROKS NONT PORTLAND 93-198	13 92 96 MED COARSE GRAY SAME				
FINISH: M Open Note [] Perforated or Stotlet Casing [] Gravel Cack [] Sandpoint or Screen Attached to Well Casing [] Sandpoint or Screen	12 9/2 103 PDARSE GRAV SANDROW				
Telescoord with Packer Inside Cosing (Packer Maserra):	12 1A3 KD GAAY JANDROCK				
Sundpoint/Seren Material					
[] Other Frank:					
ev TOMATOET THESE FORMER OF TOTAL					
I Stear (: Colores : Sulphur [] Salty [] from [] Other					
Consultance ild.eromhoul					
Handweit					
Wer Develop as Ware 1 Yes					
WELL TEST, the Statural Flow The Pure 11 Amble 11 Amble					
[1] Davies (1) Point annual Survey, (V) Text Points (1) Content Meter (0) Practice Metavarial Res. (2) Barrier (2) Extension (2) Represent Meter (2) Outside (2) Pagetady (2) Venture (2) Venture (2) Dataset (2) Outside (2) Pagetady (2) Venture (2) Venture (2) Dataset (2) Dataset (2) Pagetady (2) Venture (2) Venture (2) Dataset (2) Dataset (2) Pagetady (2) Venture (2) Venture (2) Dataset (2) Dataset (2) Pagetady (2) Venture (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) Pagetady (2) P					
htessurent States, Warre Level [] = [] = [] = [/[2]] [] = [] = [] = [] = [] = [] = [] =					
Atter [] . Z. TIMORE AL /OCK IS F 4					
Execting Courses 1/2. 116 1. 10 10 10 Constraints					
Marina 12161 Warmen ; How States					
Elevation of Measuring Provide Landson And Annual Marine MSL	Tyres Ormin K. Producing Zone Material: [] Sand [] Shell				
WELL FOLISTATION FLORE FLORING MELLING AND FLORING	13 Binton Shell (2 Lungtone Worker St. 12 DR-CK Yngelit Producing Zone 19/281, Brittom of Producing Zone 1/2018.				
ryan Dynays () Centrefugat () Cytinnas () faer () Sustaineandan () Tyrebna () Oliver	Traphit Producing Zone [4/1/3 1. Battom of Producing Zone [124 21] + 2. It Shill Currings Sons to Bayesta of Grappy				
Present (Dietal] Electric Gaussiene Gibbart, and an annual a	Will You Harden the this				
Hurseponer	1]AI BIE INSTACT AND CONTRACTOR FORMER				
saraka/layucsidan Uayuri <u>(</u>) ≠1 156 M € (JINN ⁺ 17 1 522 (JBI)	I Conditioner Christ Arthur Andrews				

1

ł

COLUMN TWO

建制時

Constant and a second

.

1

)

DEPARTMENT OF ENVIRONMENTAL REGULATION ويتوجد أأني للأمارج I i Decoring L Plugsing waso-42940 WELL COMPLETION REPORT 11 Onner OWNER DOLUTIN PLANN BEVAN VILLUTIK CITERING STREET LU MUMPER TYPE OF WELL: IN Water Well 'I Water Dayman 11 (Marenamica) CITEL MARKALLI LINARA MILLI 1 Test Vietz | | Decharge | f | Drawnge -USE- : : thomas I' transform i' tertusticat [] Lumanick of Public Supply 11 Others SKETCH LOCATION OF WELL in relation to teld tendents, pring totalice and diler-ther tends stratest free strat, to other reference plans WELL LOCATION: 1 24 of Section [1] North The mutup IN-SI Longitude REPORT FORMA EFRITA DA A I AU I SEAALOW BALL 11 BEDIA RIAFERI LUALA VILACUS County OWNER WELL NUMBER OR NAME: DRILL METHOD: I I Rorary I'l Cable Tool I I Jet I I Auge 1 Other: GEOPHYSICAL LOGS: Type: SURFACE CASING, CASING, AND LINER MATERIAL: By: Street Dia, (In.) Screet District From To Schedule Journs" Black Gate, S. Street Will 10: Fr.1 BYCL Disensit (Sr.1 SS.1 Nin Journs" WELL LOG Examine cultings at 20 ft, or smaller intervals and at changes. Give color, grain-size and type of material, Note any carities, Indicate producing zones, Attach additional shorts if necessary. Cation Size Go.J Bore Note (In.) Ocoth (Ft.) 1456 (153) 0 m/ 500 10 77 34 (155) 0 21 - 10 剑 From To B 0 2 TAN MED. GAND 9 Ornersize Material: 43 MED CORRECULTIE SOND * TC + Threaded and Coupled, TCW + Threated, Coupled, and Welderl, W = Writerd, B = Banderf (FVC), O = Other W/SOAE SHELL MED-CORRE Light Beausi 13 GROUT: [| Nune IP Neat Cement |] Uther: 27 Type and Parcent of Addraves and Grous Volume or Number of 94 ID. Sects SAUD & SAME GRAVEL From (FL) To (FL) ß 13 SAOKS NEAT P. OTLAND 81 LICHT TAN MED-FINE SAND 723 13 81 LIGHT GRAV FINE SARD EINISH: [] Open Hole [] Performed a Statied Caung 1] Gravel Park] Sandpoint of Screen Atlached to Well Caung 1] Sandpoint of Screen MED-COARSE GRAY SAND Q3 refescaces with Pecker Intule Criming (Packer Material. _ WISOME SHELL Dia, (in) Stat From Ta Size (in.) (Ft) (Ft) Sensesin1/Screen Meserval LA. GRAY SANDROCK LOÆ [] Other Funders OUALITY JEST WINNER I BALLING THE COMMENT I + Crear () Colored () Sulphur | | Selly | | I from | | Other -Compactance HA.cornool Chloride PH [] Trms [] PF Measured States War- 1 -... [1 .] . 1/2131 Manuard From song Planes ; and []. 1 1.83/11%. Alter [] [] Hours as [] []] B. Mile Survey Connector [] [] [] Alter Alter at Landon and temperature [] [] Alter Alter at Landon and temperature [] [] Alter at Landon and Contendent temperature [] [] Alter at Landon and Contendent Ministry of Particle Control of States and States And Total Orgith PT Ft. Producing Zone Marerial: || Sand || Shell | 3 Stupher Steek || Linestone Dipliker: SPLIDEROK | E. Permanant Prime | | | E. Erine search Dung-The furthering Zone [ADD FIL, Dottom of Producing Zone [[] ADD FE M Charlings Sonice Block of Good or MURIAN Charles And Arafult And All Arafult Type Purnes - E.E.Consectional - F.J. Cylonolec - E.L. per - J. J. Social and Social | | Toolsone | | Other Insakelinection Depits DESCEDEM ULT 122 (38)

..

and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s 12 50-48400 Sec. 19 DEPARTMENT OF ENVIRONMENTAL REGULATION 1 Deepening 1 Plugging .() Other. . WELL COMPLETION REPORT WELL NUMBER WINER STOLIFTHE PHILM LARVICH 14/12 BLADIN STAINE ROLD TYPE OF WELL: IN Water Well || Test Well || Recharge (| Dramage || Water Distance || Othernastern || Other _____ I Water Distance | | Observation FREEDED DITTERSEDIT || Durantic [] Interaction [] Industrial [] Constock [1] Public Supply USE: And dirert WELL LOCATION: North 1. - of Section Tomate In CI TRI DIE MI Ę. 1001-00 . . . Lapade <u>س</u> . ķ ÷ 80 7 HEADER BUILTYA SUMME Street/Road ICC | BEICH ØΠ th; T PALAM BEAMAN ELER RAYEN 日本 あった 日本の 日本の あんたい あん Ç av City OWNER WELL NUMBER OR NAME: DRILL METHOD: . | Rolary | Cable Tool | | Jen | | Auge By: GEOPHYSICAL LOGS: TYPE () Other: Examine cuttings at 20 (1, or smaller intervets and at changes. Give color, grainsize and type of material, Note any cavitient, indicets producing some, Attach additional sherts if necessary. SURFACE CASING, CASING, AND LINER MATERIAL: WELL LOG SURFACE CASING, CASING, AND A CONTROL OF THE SCHERCHUR STREET STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STREET, SCHERCHUR STRE 2+ un (F1.) Born 160% Lin J Size To From w12 PALAX Y 7 DARK SAND 12 0 58 WHITE SPADY GRAVE 13 1 ight BROWN MED SAND Describe Materials TC . Threaded and Counteri. TCW - Threaded, Counted, and Weldert, 12 ŕ 4- SOME GRAVELL W - Welard, B + Bonuled (PV21, D + Other: GROUT: [| None | Near Commist [] Other: _ LICAT TALL MED-CORRSE 12 9n Type and Percent of Addition and Group Valume or Number of 34 Ib. Seeks 1.1 SAND From (Ft.) To (Ft.) 1.3/ FINE GRAY SAND T. BACS NEAT DETLAND $\overline{\mathcal{O}}$ 4 90 13 102 105 ia) GRAY SAUGROCK 102 B. 11/2 FINISH: Int Open Hate | } Perforated on Statied County | | Gravel Pack int or Screen [] Sandpoint or Screen Attached to Well Casing |] Sandpo Telescoped with Packer Ineide Casing (Packer Alaterials Dia (In.) Stor From To Size (In.) (Fi.) (Fi.) Sandpoint/Screen Material and the second second 11 Other Finish DUALITY TEST: Manne 11 Barton 110 OTHERES Chiorate 2H _____ Temp ______ Hardress Plin as same in cartagoate Well Discidence A File () Yes (Date) WELL TEST, by it "Served Knew [] G.P.M. [] Auldi. I Garne () Perception burgs () I feel forms () New Despice Mentanel Br. () Barne () I Streamer () Correct Meter I Gradue () Testeration () Meter () Value () Other () Gradue () Testeration () Meter () Meter () Control () Testeration () Meter () Meter () Meter () Testeration () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Meter () Me Adams Statis Hater Land [] + [] + [] + [B/2] Me aurent Purpling Mater Lever 1 1.1 1. 23131 And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s cine Zone Material: [] Sand [] Shell Therefore of Mention Prov [] [] [] [] [] Alexan [] Holice Mil Lural Depth 1/12 Ft. Frodu WELL FOURPMENT: STORE IN COURSE TO STORE IN OTHER SANDA MA 1 | Conetto AT Pushering Zone FAD & FL. Buttom of Prode 1.] Decembrand Pathies |] | Decoperate Portes Spain Printer, 2 Constraining Stationer 2 | Jos | Stationarialist MULAS Sica Attalacort The family of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon nirector's Signature 121 1210 ।প্রিরা Jetake/Insection Uspili DER FORM 17-1 177 (08) .

£...

DEPARTMENT OF ENVIRONMENTAL REGULATION	1.1.6=19=	Literation will Sat +89.4a.					
WELL COMPLETION REPORT	1 Dates						
OWNER BOWHALPAWITS BUTTRE HA WATCH	1.				A STATUS AND A STATUS AND A STATUS		
A SOLO SCOMPEN RULTIIIIIII							
מחדרו האאבעדו במשאפאני איין איין א		TV19, 00 V0.63 March 943 Construction of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the second statements of the s					
Ver Code Proce Number	USE: 1 (Store the Company of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Con						
WELL LOCATION:	The first second from tradition and the second second product of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon						
TAIN CANNER AND AND AND AND AND AND AND AND AND AND							
.ccate in Strellion Longitude							
NUT UNIT NEW AND BUT T							
LOT NO. SUDDIVISION DISTURDANCE DIST.							
WINER WELL NUMBER OR NAME:							
DRILL METHOD: } Rotory K Cable Tool [] Jos [] Auger							
URFACE CASING, CASING, AND LINER MATERIAL:	GEOPH			æ.	0y.		
Steel Dis. (In.) Steel Declary From To Schedule Janoise Black Galv. S. Siteriwi, Uk Hill TVC Clince 1991.1 (Fill No. Janoise	Bore	WELL CANNA	Denth	(Fs.)	Examine cuttings at 20 ft, or prefer intervals and at changes. Give color, prainiste and type of meterial, Note any cavities, indicate producing scree, Atlach		
13 W 56 (4 53 0 103" SD U). 18 W 239 : 20 1 0 - 21 10	(in)		Feren	то 17	additional sheers if necessary.		
Describe Material:		12	0	37	Mitter sons allell 4		
TG - Threaded and Coupled, TEW - Threaded, Coupled, and Welded, W - Welded, B - Bonded IIVCI, O - Other:		+- <i>1</i> -4-2	7		SOME GRAVEL		
SROUT: LI None IN Nest Coment 1 Denve:		13	27	55	BROWN MED. SAND		
The and Percent of Additives and Growt Volume or Number of 34 In Sector		13	15	80	LIGHTTEN FINE SAN		
FARAGE NEAT TANY AKIN (S/		13	80	29	FINE GRAY SAND		
6 BACK WEAT PURTLAND 101 106	1	13	.89	47	MED-COARST GRAYSAN		
INISH: M Open Hole (Perforated or Stotted Casing () Gravel Pack) Sendpoint or Screen Attached to Wall Casing () Sandhunt or Screen	1	15	47	163	MED-COARSE GRAY SEE		
Felescoped with Facker Inside Casing (Packer Material:)		 	<u> </u>	<u> </u>	TROCK		
iandpoint/Screen Material Dia (In.) Sign To Size Hin.) (F.) (F.)		1.3	103	IZ/_	CRAY DANOBOCK		
} Other Finish:							
DUALITY TEST IN None 1) Bactoria (1) Chemical				·			
W: I John Contra this (Y Ener 734 OTHERS	<u> </u>	ļ		ļ			
Clear [] Colored [] Sulphur [] Sally [] Hon [] Other Conductance Mileromhosi	I	∔	 	<u> </u>			
			1	1			
pom as carcun carbonate Net Disinfected Pri No. Yes (Opter)							
NELL TEST, My. 1 Pretural Flow			ļ	<u> </u>			
Distributed (1) Permittania Planta (1) Test Planta (1) Nove Distributed the (1) Bailer (1) Estimated (1) Carrent Meter		<u> </u>	<u> </u>	 			
2 Online 11 Teastory 11 Venues 11 Volumence 11 Other		 	<u> </u>	 	<u> </u>		
Heastured States Wares Lives [] + [] + [] / / [] + []		<u> </u>					
Arosured Pumping Weirs 1		+	<u> </u>	<u> </u>			
Arter EESTManne Ar 1/609 G P M Somethic Chamity []]]?[A (2 P M / P = 11 December 1	\	.]	+	+	<u> </u>		
Hassing Pa. It proves on $TOP = 0 FOAS NG$				+	······································		
Nhich is 123 12. 27 Alude 1 Between Laws Surface Eleverium of Materialing PL . [41/13 Aluce 1 Halum Mill		. i	1	-L	.L		
	Totel De	*** []]/	ZØ11.	Fred	CALLY AND A K		
WELL EQUIPMENT: 11 Open 14 Cerumn 1 (Verens [] Permement Perms: [] Tenjesrary Permo	1				6mm SADDRACK		
Explo Pomps - El Genzellugat - El Cystenius - El Sec - El Sulamonada					The Bottom of Producing Zone FL		
Typer I Other	M Drill Curtings Sam to Inform at Gradowy .						
Power: 11 Daniel 13 Course 13 Gaussiane 11 Other	1 V V M		111-	/يميزر	UN KARY I TIME WERE.		
			11262	ريميز. اين اين ا	Vell Contractorie Siplisture Pouren		

1

IJ

. 24

:

٦

•

 $\{ i_{i_1}, \ldots, i_{i_n} \}$ 1995 OF WORK: M. New Construction - 1.1 Repair STATE OF FLOHIDA PERMIT RUMBER. DEPARTMENT OF ENVIRONMENTAL REGULATION WW. 50-58353 I Designing 11 Pluging WELL COMPLETION REPORT 11 Ones . OWNER BERNIELEN BERNIELEN CONTRACTION WELL NUMBER MOBIO SI MOREIGHSKIANAT LITIT TYPE OF WELL: IN Wave Well || Test Well || Hickmann || Dramage || Well: Dramad || I coloringtion || Oliver MACH BARDE BLEADY DAK MUTTO 14 BEF FEI 050 L'El Chammanne III Insuganose | | Instanticut | | Louissuck Bol Public Supply 110 1 Television and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se WELL LOCATION: T х. * of Section North VD 5 11-51 2 E 12 +1 ***** ST TE #5 Locate in Sectio Landing (ND) (ND) (ND) w Stadak & SKAHA RA MITT 10 SEPTURE ROL **B**bkk WARDENT MALA BEALD Citr County OWNER WELL NUMBER OR NAME DRILL METHOD: M Hotery () Cable Tool () Het () Auge [] Other: GEOPHYSICAL LOGS: Type: SURFACE CASING, CASING, AND LINER MATERIAL: By: WELL LOG Steel Dis, Un.J. Steel Con that From To Schedule Joint' Examine cuttings at 20 fL or smaller Intervals and at changes, Give color, prain-life and type of material, Note any cavities, Indicate producing zones, Attach additional bivers if necessary. Bore Hola (In) 5-24 5-24 (In.) Depth IFt.) #1.56 (A 53) C 103" STOLL 12 From Ϋ́ο 17 12 9 IGHT BROWLI SAND ð . . ĽĹ 12 7 BROWN RUCK SHELL SAND 6 Describe Material * TC + Threaded and Coupled, TCW + Threaded, Coupled, and Wrided, 19 13 12 SHELL + SALD į. W = Welded, 8 = Bonded (PVCI, D = Other: _ 11 12 s'al THIS NOPESE SAND GROUT: || None 14 Neal Cement || Other: . 11-11 13 Type and Percent of Additives and Group Volume or Number of 94 (b. Sacks £.H 31 TOOK BROWN SAND From (Ft.) To (Ft.) 14 641 TPU SAUD 12 34 105 (2-1B) Part That and al 2-15 155 9 1 11 64 CONTRESSORT TENESSOF Rock FINISH: 14 Down Hole | | Performed on Slotted Coung 1 | Gravel Pack in, <u> 1</u>3 93 Ind GEOUSPIN Y BUS [] Sandpoint or Screen Attached to Well County [] Sandpoint or Screen ĽŢ. 11.1 GERI SAUTRICK 104 Telescoold with Packer Inside Casing (Packer Materia): . - Dia (tm.) Stot From To Size (In.) (Fs.) (Fs.) nin1/Screen Meterral CEMENTED IDE 7" OF 13 " FLACK STEEL CASING [] Other Finnh: QUALITY TEST: Is None || Bacteria _____ | Chemical Date 130 GRAY SAUDRONK lá t
 By:
 [] Health Depr.
 [] TISGS
 [] Other

 [] Clear
 [] Colmed
 [] Sulphur
 [] Satry
 [] Store
 [] Other
 Conductance (Micromitian) HARDING CONDUCTION OF THE ACTION th Disintering 1, the second from [1] GPM I | Aubit USB Disinter [] Second from From [] GPM I | Aubit [] Barter [] Second from Prome II For Funda [] Note Discharge Measured by [] (Starter [] (Second Fill (Second Mercer [] Delice [] Teaperture [] (Second [] Second Fill (Second Mercer Measured State Viewer Level [] (] [] (Second Fill (Second Mercer Measured State Viewer Level [] (] [] (Second Fill (Second Mercer [] Conder (Second Fill (Second Fill (Second Fill (Second Mercer Measured State Viewer Level [] (] (] (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill (Second Fill Atter [] ST nours At [] OC [] C. P. 14 Societie Connects [] [] [] C. P. MALT IN International Messaging & Downskies []] D. OF CALLACT. Etrospin of Meanuting PL + [] [] [] [] [] [] Alterne [] Henre [Mi]] Total Oroth TTBD Ft. Proving on Fine Material 1 | Sont | | Shell WELL FOURPMENTS ESTIMATE A STATE 11 Aurin Sind 11 Lineur 1700 - TADRICK E E Parmanent Porner: (C) Enhanner's Bonner Pratiente de la Sant [] / 2] Al 1. Ontern al Producens Zone [] / 2] B. Type Pumps (1) Centraling (1) Colorado (1) Proc. (1) Subsection Turture El Orter a anno 1
 1 | Turtune
 1 | Other

 Pointr.
 1 | Durit

 1 | Turtune
 1 | Statut

 Hartenman
 1 | Canadare
 Ne14131_ Later 4 V61 13121 131212 Alake/Injection (hep)th OCH FURINA V 3 127 (38) 1.11 ٠, -----

.....

.

مرور در اینده ایند. میکند در اینده مرور در اینده ایند، میکند در اینده

Kuthe h and the second second DEPARTMENT OF ENVIRONMENTAL REGULATION 144 30 - 127 20 WELL COMPLETION REPORT : 1 Oine OWNER SOLLATA FARM BETRY VM WELL NUMBER ASTONE DE BUNTE RA M TYPE OF WELL: IT Water Well: 11 Test Wall: IT Recharge 11 Dreininge "I Water Dig und 11 Oberwatern: 11 Ober STEAL BLADE DITTING AND Enty Contraction State USE: Environment I Industrial II Constock of Public Evenity 11 Donester 1 I Or SKETCH LOCATION OF WELL in relation to forsy landmarks, and the first service point WELL LOCATION. · ··· Ser seen []]] t North FIZ LINNIAZ I INW धतन I DE LEEEDTOR BO REAR READENT WANT BEACH 林市村はいていたはませるいちない いっかう County OWNER WELL NUMBER OR NAME: ţ DRILL METHOD: . | | Rolary (H Cable Tool |) Let | | Aug Other: GEOPHYSICAL LOGS: Type SURFACE CASING, CASING, AND LINER MATERIAL: E., Steel Gas (In.) Steel Steel From To Scherburg Jonny Used Gals S. Sixed Wt. (Ib.)1.1 Press (From 1613) (F13) (F13) Jonny Jonny (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) (F13) WELL LOG Examine cutting at 25 it is implies intervals and at changes Give color, gunnare and took of material, Note any cavities, Indicate producing come. Attach auditional sheets of meetings. 49.52 (BA3) 0 102 STO 47.39 (-152) 0 91 10 Englin (Fr.) Kule (in.) 12 5.7e (1...) Ø. To From 12 8 a LEAT TAN SAUD 8 Omerabe Material; 13 DHITE FINE SELD WISOME TC + Threaded and Complete, TEW + Threaded, Couplet and Welnes, W - Welded, B - Bemuled (PVCI, O + Other SHELL GROUT: [] None [# Near Commit] ! Other ... 12 flo_ 35 IGHT BROWN FINE SAND Type and Percent of Andritives and Sicul Volumy of 13 44 64 LIGHT TON FIRE SAUD From It is to (F.) 83 13 SACKS MEAT HERTLAND 12 6H 11 Ø, B £2 91. JOHT GRAY FIDE SAND FINISH: (M Open Hole |] Perforalest in Stated Cauna 96 1 Cover Pack 13 GRAY SAND Y ROCK At or Screen Attached to Well Caling || Sandadint or Sci Telescoped with Packer Inside Casing (Packer Material: 10A 118 GREY SANDBOCK 12 1 Stat From To Sere Co.J. (Fr.J. (Fr.J. Sendpoint/Screen Material Dia. Ilin.) 1.1 Other Figure QUALITY TEST: I HORE (| RECEIVED) CONTRACT OF THE SEE [] Clear El Coloren El Sulphur | | Salty | | Sion | S Other Consuctance (Micromhos) Hardness Dom at Carcium Castanuite Wer Drawitering La Ng | | Yes PH Temp Top WELL TEST, in () frammer Frank () G G M () Aut.lt () Basher () frammer and Frank () Test Frank () Noder Methoda Saskan () Star () Star () Star () Star () Concern Meter () Grade () Teacter () Star () Star () Star () Other () Grade () Teacter () Star () Star () Star () Other () Grade () Teacter () Star () Star () Star () Other () Grade () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star () Star Manual Purening Vienes Louis 1.1.1. 1. 2:0115 Allowing Parrient granter Level [] +] + 2249 1975 Alter [] [] Maners Al [] [] [] + 2269 1975 Secrete Country [] [] [] + 226 20 - 200 Min-back [] [] [] [] + 226 20 - 200 Min-back [] [] [] [] + 226 20 - 200 Min-back [] [] [] [] + 226 20 - 200 Min-back [] [] [] + 226 20 - 200 Min-back [] [] [] + 226 20 - 200 Min-back [] [] [] + 226 20 - 200 Min-back [] [] [] + 226 20 - 200 Min-back [] [] [] + 226 20 - 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] + 200 Min-back [] n 1994 - Sant Weissen, and Santas Santas Maria Total Dente Art F1. Producing Zone Material: 1] Sand WLLL EQUIPMENT: 11000 M. same 11 Variation 11 June 1 VOINER: SANDADCK 1.2. Permanent Paris 1.1. Lengence (Paris) she Preside in E.B. Generalization (E.E. Gylandica, C.E. Det, C.E. Sectormentation 1. Testante (1. Other and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se Present [] Constant [] Katerian [] Casteriang [] Caliber ... (106131 word. Masheffrancison Depits SUCCESSION 11 5 102 138



STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

CERTIFIED MAIL RETURN RECEIPT REQUESTED

NOTICE OF PERMIT ISSUANCE

In the Matter of an Application for Permit by:

C. Lawton McCall, Director of Engineering FILE NO.: WC50-282171 Palm Beach County Water Utilities Department PROJECT: P.B.Co. S.R.W.R.C. Drinking Water 2065 Prairie Road Wells Nos. 3W-15, 16, 17 & 18 West Palm Beach, FL 33416-6097

Enclosed is Permit Number WC50-282171 issued to C. Lawton McCall, Director of Engineering, Palm Beach County Water Utilities Department, to construct 4 drinking water wellheads issued pursuant to Section 403, Florida Statutes (F.S.).

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within fourteen (14) days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information:

- The name, address and telephone number of each petitioner, the applicant's name and address, the Permit File Number and the county in which the project is proposed;
- b. A statement of how and when each petitioner received notice of the Health Unit's action or proposed action;
- c. A statement of how each petitioner's substantial interests are affected by the Health Unit's action or proposed action;
- d. A statement of the material facts disputed by Petitioner, if any;
- e. A statement of facts which petitioner contends warrant reversal or modification of the Health Unit's action or proposed action;

DISTRICT IX

PALM BEACH COUNTY PUBLIC HEALTH UNIT • P.O. BOX 29 • WEST PALM BEACH, FLORIDA 33402

Page Two

- f. A statement of which rules or statutes petitioner contends require reversal or modification of the Health Unit's action or proposed action; and
- g. A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Health Unit to take with respect to the action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Health Unit's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Health Unit with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within fourteen (14) days of receipt of this notice, in the Office of General Counsel at the above address of the Department of Environmental Protection. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S. and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code (F.A.C.).

This permit is final and effective on the date filed with Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section I20.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.II0, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty (30) days from the date the Final Order is filed with the Clerk of the Department.

Executed in West Palm Beach, Florida, This 23 Day of February, 1996.

STATE OF FLORIDA PALM BEACH COUNTY PUBLIC HEALTH UNIT

nech

Umesh Asrani, P.E., Assistant Director Environmental Health & Engineering 90I Evernia Street West Palm Beach, FL 3340I (407) 355-3070

STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE was mailed to the applicant by certified mail and to all listed persons before the close of business on February 23, 1996.

Clerk Stamp

Palm Edach County Public Health Unit Environmental Health and Engineering Plan Neview and Permit Section APPROVED

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section I20.52(II), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk) (Date)

cc: Utility: Same as Applicant Engineer-of-Record: Mark R. Nelson, P.E. Office of General Counsel, DEP/Tallahassee Dept. of Environmental Protection, W.P.B.

DISTRICT IX PALM BEACH COUNTY PUBLIC HEALTH UNIT • P.O. BOX 29 • WEST PALM BEACH, FLORIDA 33402 STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

PERMITTEE:

C. Lawton McCall, Director of Engineering Palm Beach County Water Utilities Department 2065 Prairie Road Palm Beach FL 33416-6097 I.D. No.: 450-4393 Permit/Certification: WC50-282171 Date of Issue: 2/23/96 Expiration Date: 2/23/2001 Latitude/Longitude: *(see below) Section/Township/Range: 4/46/42 Project: P.B.C. S.R.W.R.C. Drinking Water Wells Nos. 3W-15, 16, 17 & 18

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-550, 62-555 & 62-560. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

- Construct: Four (4) wellheads consisting of 1,500 gpm @ 120 TDH submersible turbine pumps, with all required appurtenances, as shown on the approved plans.
- In Accordance With: Application DEP 17-555.910(1) dated December 20, 1995, engineering plans sheet nos. G1-5, 6C-1, GM-1, M-1 and specifications received December 27, 1995 and plan sheets GC-1 and 2 and M-2 received February 12, 1996 and letters dated January 29, 1996 and January 9, 1996.
- Located: East of Florida's Turnpike and west of Hagen Ranch Road and Canal L-30, west of Delray Beach, Florida.

Subject To: General Conditions 1 - 17 and Specific Conditions 1 - 8.

*3W-15 - 26° 29' 04"N/80° 10' 03"W

*3W-16 - 26° 29' 04"N/80° 10' 14"W

*3W -17 - 26° 29'06"N/80°09'57"W

*3W -18 - 26°29'18"N/80°10'10"W

Page 1 of 9

DISTRICT IX

PALM BEACH COUNTY PUBLIC HEALTH UNIT • P.O. BOX 29 • WEST PALM BEACH, FLORIDA 33402

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282171 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

GENERAL CONDITIONS:

- 1. The terms, conditions, requirements, limitations and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161, 403.727, or 403.859 through 403.061, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agent, employees, servants or representatives.
- 2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
- 3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- 4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
- 5. This permit does not relieve the permittee from liability from harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- 6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department Rules.

C. Lawton McCall

I.D. No.: 450-9393 Permit/Certification No.: WC50-282171 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

GENERAL CONDITIONS:

- 7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. having access to and copying any records that must be kept under the conditions of the permit;
 - b. inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

- 8. If for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the Department with the following information:
 - a. a description of and cause of noncompliance; and
 - b. the period on noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case arising under the Florida Statutes of department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes.

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282171 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

ί

GENERAL CONDITIONS:

- 10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- 11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 62-4.12 and 62-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.
- 12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
- 13. This permit also constitutes:
 - () Determination of Best Available Control Technology (BACT)
 - () Determination of Prevention of Significant Deterioration (PSD)
 - () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
 - () Compliance with New Source Performance Standards
- 14. The permittee shall comply with the following monitoring and record keeping requirements:
 - a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
 - b. The permittee shall retain at the facility, or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit and records of all data used to complete the application for this permit. The time period of retention shall be at least three (3) years from the date on the sample, measurement, report or application unless otherwise specified by department rule.

C. Lawton McCall

I. D. No.: 450-4393 Permit/Certification No.: WC50-282171 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

GENERAL CONDITIONS: (14 Cont'd.)

- c. Records of monitoring information shall include:
 - -the date, exact place, the time of sampling or measurements;
 - the person responsible for performing the sampling or measurements; -the date(s) analyses were performed;
 - -the person responsible for performing the analyses;
 - -the analytical techniques or methods used; and
 - -the results of such analyses.
- 15. When requested by the department, the permittee shall, within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.
- 16. In the case of an underground injection control permit, the following permit conditions also shall apply:
 - a. All reports or information required by the Department shall be certified as being true, accurate and complete.
 - b. Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than fourteen (14) days following each schedule date.
 - c. Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within twenty four (24) hours and again within seventy two (72) hours and a final written report provided within two (2) weeks.
 - The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.
 - The written submission shall contain a description of and a discussion of the cause of the noncompliance and if it has not been corrected, the anticipated time the noncompliance is expected to continue, the steps being taken to reduce, eliminate and prevent recurrence of the noncompliance and all information required by Rule 17-28.230(4)(b), F.A.C.

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282171 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

GENERAL CONDITIONS: (16 CONT'D.).

- d. The Department shall be notified at least one hundred eighty (180) days before conversion or abandonment of an injection well, unless abandonment within a lesser period of time is necessary to protect waters of the state.
- 17. The following conditions also shall apply to a hazardous waste facility permit.
 - a. The following reports shall be submitted to the Department:
 - Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within fifteen (15) days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.
 - 2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within fifteen (15) days of receipt of unmanifested waste.
 - 3. Biennial report. A biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year pursuant to Chapter 17-730, F.A.C.
 - b. Notification of any noncompliance which may endanger health or the envionment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within twenty four (24) hours and a written report shall be provided within five (5) days. The verbal report shall include the name, address, I.D. number and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards and the estimated quantity and disposition of recovered material. The written submission shall contain:
 - 1. A description and cause of the noncompliance.
 - 2. If not corrected, the expected time of correction and the steps being taken to reduce, eliminate and prevent recurrence of the noncompliance.
 - c. Reports of compliance or noncompliance with, or any progess reports on, requirements in any compliance schedule shall be submitted no later than fourteen (14) days after each schedule date.

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282171 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

GENERAL CONDITIONS: (17 Cont'd.)

d. All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

SPECIFIC CONDITIONS:

- 1. The permittee shall retain a Florida registered professional engineer as the engineer of record for this project. Upon completion of construction, the engineer of record or the system's professional engineer who was responsible for overseeing construction, shall submit certification of complete conformity to the plans and specifications as approved. Certification to such inspection on DEP Form 17-555.910(9) along with one (1) set of record drawings shall be provided to the Palm Beach County Public Health Unit (PBCPHU) prior to release for use. Drawings are to be at the same scale and in the same sequence as those submitted and approved for permit. Deviations from original permitted drawings are to be high-lighted and/or noted for Unit's review. A written release for use shall be obtained from the PBCPHU prior to placing the newly constructed facilities in service.
- 2. Prior to construction of any well, the permittee shall obtain the services of a certified well driller who shall make application for and obtain a well drilling permit from the South Florida Water Management District in accordance with Department rules and regulations.
- 3. All wells shall be cleaned, disinfected and bacteriologically cleared in accordance with Chapter 62-555.315(3), F.A.C. The bacteriolgocial clearance data, copies of the well construction permits, the well driller's completion reports and a detailed drawing of the well construction shall be submitted to the PBCPHU, with the engineer's certification and a release for use shall be obtained therefrom prior to placing any wells in service.
- 4. Bacteriological samples for all wells shall be taken daily for twenty (20) or more consecutive workdays. Each sample shall be collected after pumping the well for twenty (20) to thirty (30) minutes at the rated capacity of the permanent pump each consecutive day. The daily samples shall be handled in accordance with acceptable methods as stated in "Standard Methods for the Examination of Water and Wastewater", 16th Edition, 1985.

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282171 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

SPECIFIC CONDITIONS:

 As a community public water system, chemical analysis of the raw water for nitrate, nitrite, inorganics, volatile organics, pesticides and PCB_s, turbidity, radionuclides, group I and II unregulated organics and secondary contaminants of Chapter 62-550, F.A.C. shall be submitted to the Department prior to release for use.

Only those parameters for which maximum contaminant levels were exceeded in the raw water need to be analyzed for in the finished water. In the event that the levels found are greater than the maximum contaminant levels set by Chapter 62-550, F.A.C., corrective measures must be taken to bring it into compliance prior to release for use.

Contact Palm Beach County Environmental Resources Management for information regarding their required chemical analysis, also required prior to release.

- 6. Provide the actual documented well yield in gallons per minute prior to relapse of any wells for use. If actual yield is less than the expected yield described in the permit application package, the rated capacity of the treatment system may be decreased accordingly.
- 7. Coatings and the chemicals that are contained in coatings which are applied to a surface in contact with drinking water, or are otherwise on equipment surfaces that come into contact with the water and additives and chemicals used to treat water shall be certified as being in conformance with American National Standards Institute (ANSI) and NSF International Standard 60-1988 by an entity certified by ANSI. Water system components which come into contact with drinking water shall be certified as being in conformance with ANSI/NSF Standard 61-1991, Drinking Water System Components, by an entity certified by ANSI.

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282171 Date of Issue: 2/23/96 Expiration Date: 2/23/2001

SPECIFIC CONDITIONS:

8. Emergency Discharge Monitoring Plan

In the event of an emergency discharge to the retention ponds at the SRWRF, PBCWUD will immediately discontinue the use of wells 17 and 18 and notify the PBCPHU. Seven (7) days after the cessation of the emergency discharge. PBCWUD will perform a disinfection of wells 17 and 18 and perform a clearance of the well (two consecutive coliform free samples). Upon approval from the PBCPHU to return wells 17 and 18 to service, monitor wells SSRW-0001 and SSRW-0004 (permit designation MW-INW and MW-4SW) that have been installed as part of the ground water monitoring system at the SRWRF will be monitored on a daily basis for a period of thirty (30) days. Coliform data collected over this period will be compared to background levels. Should coliforms levels exceed those specified in 62-550.310(3), (more than 5 percent of the samples collected show collform positive) PBCWUD will perform another disenfection of wells 17 and 18 and repeat the clearance procedure specified above. This program will continue for a period of thirty (30) days from the cessation of the emergency discharge to the retention ponds. Following this period, PBCWUD will return to quarterly sampling of the monitor wells.

ISSUED THIS 23rd DAY OF February, 1996

PALM BEACH COUNTY PUBLIC HEALTH UNIT

STATE OF FLORIDA

Jean M. Malecki, M.D., MPH, Director Palm Beach County Public Health Unit

1565.1920/3.1.6



STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

NOTICE OF PERMIT

In the Matter of an Application for Permit by:

C. Lawton McCail, Director of Engineering Palm Beach County Water Utilities Department 2065 Prairie Road West Palm Beach, FL 33416-6097

PERMIT NO.: WC50-282170

PROJECT: PBC System #2, Wellheads nos. 2W-14 and 2W-15

Enclosed is Permit Number WC50-282170, to construct Palm Beach County System #2 Wellheads 2W-14 and 2W-15, issued pursuant to Chapter 403.087, Florida Statutes.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty (30) days from the date this Notice is filed with the Clerk of the Department.

If you have any questions, please contact **Robert J. Mitchell**, of this office, phone (407) 355-4045.

Executed in West Palm Beach, Florida, this 8th Day of May, 1996.

STATE OF FLORIDA

Umesh Asrani, P.E., Assistant Director Environmental Health & Engineering

DISTRICT IX PALM BEACH COUNTY PUBLIC HEALTH UNIT • P.O. BOX 29 • WEST PALM BEACH, FLORIDA 33402

LAWTON CHILES, GOVERNOR



STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

CERTIFICATE OF SERVICE

The undersigned, duly designated deputy clerk, hereby certifies that this NOTICE OF PERMIT and all copies were mailed to the listed persons before the close of business on May 8, 1996.

Palm Beach County Public Health Unit Environmental Health and Engineering Plan Review and Permit Section APPROVED

CLERK STAMP

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(9), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

lerk Date

0.017

cc: Office of General Counsel, DEP, Tallahassee DEP, West Palm Beach Engineer-of-Record, Mark R. Nelson, P. E.

۰ و .



STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

PERMITTEE:

C. Lawton McCall, Director of Engineering Palm Beach County Water Utilities Department 2065 Prairie Road West Palm Beach, Florida 33416-6097 I.D. No.: 450-4393 Permit/Certification No.: WC50-282170 Date of Issue: 5/8/96 Expiration Date:5/8/2001 County: Paim Beach Latitude/Longitude: 26°28'00"N/80°01'00"W Section/Township/Range: 21/44/42 Project: PBC System #2, Wellheads Nos. 2W-14 & 2W-15

This permit is issued under the provisions of Chapter 403, Florida Statutes and Florida Administrative Çode Rule 62-550, 62-555 & 62-560. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

- Construct: Two (2) raw water wellheads with 1,000 gpm @ 92 ft. TDH submersible turbine pumps and all required appurtenances as shown on the approved engineering plans.
- In Accordance With: Application DEP Form 62-555.910(1), dated December 20, 1995, engineering plans sheet nos. G1-5, 2C 1 & 2, GM-1, M-1 and specifications received December 27, 1995; revised plan sheets G1 & 2 and M-2 received February 12, 1996 and letter dated January 29, 1996.
- Located: West of Pinehurst Drive, just north of Canal L-10, west of Greenacres, Florida.

Subject To: General Conditions 1 - 17 and Specific Conditions 1 - 8.

PALM BEACH COUNTY PUBLIC HEALTH UNIT • P.O. BOX 29 • WEST PALM BEACH, FLORIDA 33402

LAWTON CHIEFS. GOVERNOR

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282170 Date of Issue: 5/8/96 Expiration Date: 5/8/2001

GENERAL CONDITIONS:

- 1. The terms, conditions, requirements, limitations and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161, 403.727, or 403.859 through 403.061, Florida Statutes. The pemittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agent, employees, servants or representatives.
- 2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
- 3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- 4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
- 5. This permit does not relieve the permittee from liability from harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution on contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- 6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

۽ ور

-

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282170 Date of Issue: 5/8/96 Expiration Date: 5/8/2001

GENERAL CONDITIONS:

- 7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. Having access to and copying any records that must be kept under the the conditions of the permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

- 8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the Department with the following information:
 - a. a description of and cause of noncompliance; and
 - b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue and steps being taken to reduce, eliminate and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

- 9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case arising under the Florida Statutes of Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes.
- 10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

رد و ر.

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282170 Date of Issue: 5/8/96 Expiration Date: 5/8/2001

GENERAL CONDITIONS:

- 11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.12 and 62-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
- 12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
- 13. This permit also constitutes:
 - () Determination of Best Available Control Technology (BACT)
 - () Determination of Prevention of Significant Deterioration (PSD)
 - () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
 - () Compliance with New Source Performance Standards
- 14. The permittee shall comply with the following monitoring and record keeping requirements:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department,
 - b. The permittee shall retain at the facility, or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit and records of all data used to complete the application for this permit. The time period of retention shall be at least three (3) years from the date on the sample, measurement, report or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 - the date, exact place, the time of sampling measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and

.

- the results of such analyses.

Page 4 of 8

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282170 Date of Issue: 5/8/96 Expiration Date: 5/8/2001

GENERAL CONDITIONS:

15. When requested by the Department, the permittee shall, within a reasonable time, furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be submitted or corrected promptly.

16. In the case of an underground injection control permit, the following permit conditions also shall apply:

- a. All reports or information required by the Department shall be certified as being true, accurate and complete.
- b. Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than fourteen (14) days following each schedule date.
- c. Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within twenty four (24) hours and again within seventy two (72) hours and a final written report provided within two (2) weeks.
 - The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.
 - The written submission shall contain a description of and a discussion of the cause of the noncompliance and if it has not been corrected, the anticipated time the noncompliance is expected to continue, the steps being taken to reduce, eliminate and prevent recurrence of the noncompliance and all information required by Rule 17-28.230(4)(b), F.A.C.
- d. The Department shall be notified at least one hundred eighty (180) days before conversion or abandonment of an injection well, unless abandonment within a lesser period of time is necessary to protect waters of the state.
- 17. The following conditions also shall apply to a hazardous waste facility permit.

يتون.

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282170 Date of Issue: 5/8/96 Expiration Date: 5/8/2001

ŕ

GENERAL CONDITIONS: (17. Cont'd.)

- a. The following reports shall be submitted to the Department:
 - Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within fifteen (15) days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.
 - 2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within fifteen (15) days of receipt of unmanifested waste.
 - 3. Biennial report. A Biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year pursuant to Chapter 17-730, F.A.C.
- b. Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within twenty four (24) hours and a written report shall be provided within five (5) days. The verbal report shall include the name, address, I.D. number and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards and the estimated quantity and disposition of recovered material. The written submission shall contain:
 - 1. A description and cause of the noncompliance.
 - 2. If not corrected, the expected time of correction and the steps being taken to reduce, eliminate and prevent recurrence of the noncompliance.
- c. Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than fourteen (14) days after each schedule date.
- d. All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

Page 6 of 8

C. Lawton McCall

1.D. No.: 450-4393 Permit/Certification No.: WC50-282170 Date of Issue: 5/8/96 Expiration Date: 5/8/2001

ſ

SPECIFIC CONDITIONS:

- 1. The permittee shall retain a Florida registered engineer as the engineer of record for this project. Upon completion of construction, the engineer of record or the system's professional engineer who was responsible for overseeing construction, shall submit certification of complete conformity to the plans and specifications as approved. Certification to such inspection on DEP Form 17-555.910(9) along with one (1) set of record drawings shall be provided to the Palm Beach County Public Health Unit (PBCPHU) prior to release for use. Drawings are to be at the same scale and in the same sequence as those submitted and approved for permit. Deviations from the original permitted drawings are to be highlighted and/or noted for Unit's review. A written release for use shall be obtained from the PBCPHU prior to placing the newly constructed facilities in service.
- 2. Prior to construction of any well, the permittee shall obtain the services of a certified well driller who shall make application for and obtain a well drilling permit from the South Florida Water Management District in accordance with Department rules and regulations.
- 3. All wells shall be cleaned, disinfected and bacteriologically cleared in accordance with Chapter 62-555.315(3), F.A.C. The bacteriological clearance data, copies of the well construction permits, the well driller's completion reports and a detailed drawing of the well construction shall be submitted to the PBCPHU, with the engineer's certification and a release for use shall be obtained therefrom prior to placing any wells in service.
- 4. Bacteriological samples for all wells shall be taken daily for twenty (20) or more consecutive workdays. Each sample shall be collected after pumping the well for twenty (20) to thirty (30) minutes at the rated capacity of the permanent pump each consecutive day. The daily samples shall be handled in accordance with acceptable methods as stated in "Standard Methods for the Examination of Water and Wastewater", 16th Edition, 1985.
- As a community public water system, chemical analysis of the raw water for nitrate, nitrite, inorganics, volatile organics, pesticides and PCB_s, turbidity, radionuclides, group I and II unregulated organics and secondary contaminants of Chapter 62-550, F.A.C. shall be submitted to the Department prior to release for use.

Only those parameters for which maximum contaminant levels were exceeded in the raw water need to be analyzed for in the finished water. In the event that the local found are start than the maximum contaminant levels were exceeded in

 levels found are greater than the maximum contaminant levels set by Chapter 62-550, F.A.C., corrective measures must be taken to bring it into compliance prior to release for use.

Page 7 of 8

C. Lawton McCall

I.D. No.: 450-4393 Permit/Certification No.: WC50-282170 Date of Issue: 5/8/96 Expiration Date: 5/8/2001*

SPECIFIC CONDITIONS (5. Cont'd.)

Contact Palm Beach County Environmental Resources Management for information regarding their required chemical analysis, also required prior to release.

- 6. Provide the actual documented well yield in gallons per minute prior to release of any wells for use. If actual yield is less than the expected yield described in the permit application package, the rated capacity of the treatment system may be decreased accordingly.
- 7. Coatings and the chemicals that are contained in coatings which are applied to surfaces in contact with drinking water, or are otherwise on equipment surfaces that come into contact with the water and additives and chemicals used to treat water shall be certified as being in conformance with American National Standards Institute (ANSI) and NSF International Standards 60-1988 by an entity certified by ANSI. Water system components which come into contact with drinking water shall be certified as being in conformance with ANSI/NSF Standard 61-1991, Drinking Water System Components, by an entity certified by ANSI.
- 8. For new wells placed in areas of existing sanitary sewers, the sewers in Zone One and Two must be pressure tested at each point, grouted and sealed with proof of testing provided to the PBCPHU prior to release of the well for service.

ISSUED THIS 8th DAY OF MAY, 1996

PALM BEACH COUNTY PUBLIC HEALTH UNIT

STATE OF FLORIDA

Jean M. Malecki, M.D., MPH, Director Palm Beach County Public Health Unit

Appendix B



MONTGOMERY WATSON

Lithologic Descriptions

Lithologic Logs System 2W

Date:Contractor: Southeast drilling services Inc.Location: System # 2Well: # 14

- 0'-5' Sand 100%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.
- 5'-50' Shell 95%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary) but large pieces and whole individuals are present. Fossils include gastropods and plecypods. All individuals are recrystalized.

Sand 5%, white to light tan, fine grained, well rounded and moderately sorted, medium to coarse sand, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

50'-60' Limestone 80%, medium to dark gray, wackestone - packstone, contains carbonate sandquarts sand, recrystalized (clear tan rhombs), poorly cemented, intergranular porosity is present, rock appears to have undergone weathering (caliche psudomorph).

Sand 5%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 15%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary) hash like in zones. Fossils include gastropods and plecypods. All individuals are recrystalized.

60'-100' Limestone 95%, light to medium gray, wackestone, recrystalized, contains carbonate sand-bioclasts- and trace quarts and lithics, recrystalized (clear tan rhombs), cemented with abundant pore filling calcite spar cement (white), poor to moderately cemented, intergranular and moldic porosity is present.

Sand 5%, white to light tan, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 5%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), including gastropods and plecypods.

100'-200'Limestone 95%, medium to dark gray, fine grained wackestone, contains carbonate sand- abundant bioclast fragments- and trace quarts and lithics, poorly to moderately cemented, porosity is present.

Observer	
Page	of

Shell 5%, tan opaque, some are etched, breakage is common (possibly secondary), including gastropods and plecypods.

Observer	
Page	of

/

Date:Contractor: Southeast drilling services Inc.Location: System # 2Well: # 15

- 0'-50' Sand 100%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.
- 50'-70 Sand 80%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Limestone 10%, medium to dark gray, wackestone - packstone, contains carbonate sandquarts sand, recrystalized (clear tan rhombs), poorly cemented, intergranular porosity is present, rock appears to have undergone weathering (caliche psudomorph).

Shell 10%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), but large pieces are present suggesting closeness to source. Fossils including gastropods and plecypods.

70'-80' Sand 30%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Limestone 50%, medium to dark gray, wackestone - packstone, contains carbonate sandquarts sand, recrystalized (clear tan rhombs), poorly cemented, intergranular porosity is present, rock appears to have undergone weathering (caliche psudomorph).

Shell 20%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), hash like in zones. Fossils including gastropods and plecypods.

80'-145' Limestone 90%, medium to dark gray, wackestone - packstone, contains carbonate sandquarts sand, recrystalized (clear tan rhombs), moderate to well cemented, intergranular porosity is present, rock appears to have undergone weathering, and is recrystalized.

Sand 5%, white to light tan, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Observer_	
Page	of

Shell 5%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), hash like in zones. Fossils including gastropods and plecypods.

145'-180' Limestone 65%, medium to dark gray, wackestone - packstone, contains carbonate sand-quarts sand, recrystalized (clear tan rhombs), moderate to well cemented, intergranular porosity is present. Rock is recrystalized calcite. Contains fragments of plecypoda, and gastropoda.

Limestone 25%, medium to dark gray, packstone- grainstone, contains minor to trace carbonate sand and quarts sand, recrystalized (clear tan rhombs), moderately cemented, intergranular and interparticle porosity is present. Rock is recrystalized calcite. Contains abundant fragments of plecypoda, and gastropoda.

Sand 5%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 5%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), hash like in zones. Fossils including gastropods and plecypods.

180'-200' Limestone 65%, medium to dark gray, fine grained wackestone - packstone, contains carbonate sand- abundant bioclast fragments- and trace quarts and lithics, poorly cemented, porosity is present.

Sand 5%, white to light tan, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 30%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), hash like in zones. Fossils including gastropods and plecypods.

Observer_	
Page _	of

System 3W

Date:Contractor: Southeast drilling services Inc.Location: System SRWRFWell: # 15

0'-5' Sand 70%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Soil 30%, brown to black, organic rich.

- 5'-100' Sand 100%, white to light tan, fine grained, well rounded and moderately sorted, medium to coarse sand, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.
- 100'-165' Limestone 85%, light to medium tan/gray, wackestone to recrystalized packstone, contains carbonate sand- fine grained bioclasts- and trace quarts and lithics, recrystalized (clear tan rhombs), cemented with pore filling calcite spar cement (white), moderately cemented, intergranular porosity is present.

Sand 5%, white to light tan, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 10%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), including gastropods and plecypods.

165'-200'Limestone 80%, medium tan/orange, very fine grained packstone to coquina, contains carbonate sand- abundant bioclast fragments- and trace quarts and lithics, poorly cemented, porosity is present.

Limestone 15%, light to medium gray, wackestone to recrystalized packstone, contains carbonate sand-bioclasts- and trace quarts and lithics, recrystalized (clear tan rhombs), cemented with abundant pore filling calcite spar cement (white), moderately cemented, intergranular and moldic porosity is present.

Observer_	
Page	of

Date:Contractor: Southeast drilling services Inc.Location: System SRWRFWell: # 16

0'-5' Sand 70%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Soil 30%, brown to black, organic rich.

- 5'-100' Sand 100%, white to light tan, fine grained, well rounded and moderately sorted, medium to coarse sand, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.
- 100'-158' Limestone 80%, light to medium gray, wackestone to recrystalized packstone, contains carbonate sand-bioclasts- and trace quarts and lithics, recrystalized (clear tan rhombs), cemented with abundant pore filling calcite spar cement (white), moderately cemented, intergranular and moldic porosity is present.

Sand 5%, white to light tan, fine grained, well rounded and well sorted, unimodal, quarts \mathcal{I} based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 15%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), including gastropods and plecypods.

158'-200'Limestone 70%, medium to dark gray, fine grained wackestone - packstone, contains carbonate sand- abundant bioclast fragments- and trace quarts and lithics, poorly cemented, porosity is present.

Limestone 25%, light to medium gray, wackestone to recrystalized packstone, contains carbonate sand-bioclasts- and trace quarts and lithics, recrystalized (clear tan rhombs), cemented with abundant pore filling calcite spar cement (white), moderately cemented, intergranular and moldic porosity is present.

Shell 5%, tan opaque, some are etched, breakage is common (possibly secondary), including gastropods and plecypods.

Observer	
Page	of

Date:Contractor: Southeast drilling services Inc.Location: System SRWRFWell: # 17

0'-5' Sand 70%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Soil 30%, brown to black, organic rich.

- 5'-85' Sand 100%, white to light tan, fine grained, well rounded and moderately sorted, medium to coarse sand, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.
- 85'-100' Limestone 80%, medium to dark gray, wackestone packstone, contains carbonate sandquarts sand, recrystalized (clear tan rhombs), poorly cemented, intergranular porosity is present, rock appears to have undergone weathering (caliche psudomorph).

Sand 20%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

100'-160' Limestone 80%, light to medium gray, wackestone to recrystalized packstone, contains carbonate sand-bioclasts- and trace quarts and lithics, recrystalized (clear tan rhombs), cemented with abundant pore filling calcite spar cement (white), moderately cemented, intergranular and moldic porosity is present.

Sand 5%, white to light tan, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 15%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), including gastropods and plecypods.

160'-200'Limestone 95%, medium to dark gray, fine grained wackestone - packstone, contains carbonate sand- abundant bioclast fragments- and trace quarts and lithics, poorly cemented, porosity is present.

Shell 5%, tan opaque, some are etched, breakage is common (possibly secondary), including gastropods and plecypods.

Observer_		·
Page_	of	

Date:Contractor: Southeast drilling services Inc.Location: System SRWRFWell: # 18

0'-5' Sand 70%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Soil 30%, brown to black, organic rich.

- 5'-80' Sand 100%, white to light tan, fine grained, well rounded and moderately sorted, medium to coarse sand, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.
- 80'-100' Limestone 80%, medium to dark gray, wackestone packstone, contains carbonate sandquarts sand, recrystalized (clear tan rhombs), poorly cemented, intergranular porosity is present, rock appears to have undergone weathering (caliche psudomorph).

Sand 20%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

100'-163 Limestone 80%, light to medium gray, wackestone to recrystalized packstone, contains carbonate sand-bioclasts- and trace quarts and lithics, recrystalized (clear tan rhombs), cemented with abundant pore filling calcite spar cement (white), moderately cemented, intergranular and moldic porosity is present.

Sand 5%, white to light tan, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 15%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), including gastropods and plecypods.

163'-200'Limestone 95%, medium to dark gray, fine grained wackestone - packstone, contains carbonate sand- abundant bioclast fragments- and trace quarts and lithics, poorly cemented, porosity is present.

Shell 5%, tan opaque, some are etched, breakage is common (possibly secondary), including gastropods and plecypods.

Observer	
Page	of

System 8W

Date:Contractor: Southeast drilling services Inc.Location: System # 8Well: # 13

0'-5' Sand 90%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Surface debris 10%

5'-55' Surface debris 90%

Shell 10%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), but large pieces are present suggesting closeness to source. Fossils including gastropods and plecypods.

55'-85' Limestone 85%, medium to dark gray, wackestone - packstone, contains carbonate sandquarts sand, recrystalized (clear tan rhombs), moderate to well cemented, intergranular porosity is present, rock appears to have undergone weathering, and is recrystalized.

Sand 5%, white to light tan, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 10%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), but large pieces are present suggesting closeness to source. Fossils including gastropods and plecypods.

85'-170' Limestone 65%, medium to dark gray, wackestone - packstone, contains carbonate sand-quarts sand, recrystalized (clear tan rhombs), moderate to well cemented, intergranular porosity is present. Rock is recrystalized calcite spar. Contains fragments of plecypoda, and gastropoda.

Limestone 25%, medium to dark gray, packstone- grainstone (cocina hash), contains minor carbonate sand and quarts sand, recrystalized (clear tan rhombs), moderately cemented, intergranular and interparticle/cement reduced porosity is present. Rock is recrystalized calcite. Contains abundant fragments of plecypoda, and gastropoda.

Sand 5%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Observer	
Page	of

. 2

Shell 5%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), hash like in zones. Fossils including gastropods and plecypods.

170'-200' Limestone 75%, medium to dark gray, wackestone - packstone, contains carbonate sand-quarts sand, recrystalized (clear tan rhombs), moderate to well cemented, intergranular porosity is present. Rock is recrystalized calcite spar. Contains fragments of plecypoda, and gastropoda.

Limestone 5%, medium to dark gray, packstone- grainstone (cocina hash), contains minor carbonate sand and quarts sand, recrystalized (clear tan rhombs), moderately cemented, intergranular and interparticle/cement reduced porosity is present. Rock is recrystalized calcite. Contains abundant fragments of plecypoda, and gastropoda.

Shell 20%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), hash like in zones. Fossils including gastropods and plecypods. Increases towards base of section.

Observer_	
Page _	of

Date:Contractor: Southeast drilling services Inc.Location: System # 8Well: # 14

0'-5' Sand 90%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Surface debris 10%

5'-10' Sand 95%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 5%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), but large pieces are present suggesting closeness to source. Fossils including gastropods and plecypods.

- 10'-20' Shell 100%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), hash like in zones. Fossils including gastropods and plecypods.
- 20'-40' Sand 5%, white to light tan, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 5%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), hash like in zones. Fossils including gastropods and plecypods.

40'-45' Limestone 90%, medium to dark gray, wackestone - packstone, contains carbonate sandquarts sand, recrystalized (clear tan rhombs), moderate to well cemented, intergranular porosity is present, rock appears to have undergone weathering, and is recrystalized.

Sand 10%, white to light tan, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

45'-160' Limestone 65%, medium to dark gray, wackestone - packstone, contains carbonate sand-quarts sand, recrystalized (clear tan rhombs), moderate to well cemented, intergranular porosity is present. Rock is recrystalized calcite spar. Contains fragments of plecypoda, and gastropoda.

Observer_	- · · · · · · · · · · · · · · · · · · ·
Page	of

Limestone 25%, medium to dark gray, packstone- grainstone (cocina hash), contains minor carbonate sand and quarts sand, recrystalized (clear tan rhombs), moderately cemented, intergranular and interparticle/cement reduced porosity is present. Rock is recrystalized calcite. Contains abundant fragments of plecypoda, and gastropoda.

Sand 5%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Shell 5%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), hash like in zones. Fossils including gastropods and plecypods.

160'-200' Limestone 15%, medium to dark gray, wackestone - packstone, contains carbonate sand-quarts sand, recrystalized (clear tan rhombs), moderate to well cemented, intergranular porosity is present. Rock is recrystalized calcite spar. Contains fragments of plecypoda, and gastropoda.

Limestone 10%, medium to dark gray, packstone- grainstone (cocina hash), contains minor carbonate sand and quarts sand, recrystalized (clear tan rhombs), moderately cemented, intergranular and interparticle/cement reduced porosity is present. Rock is recrystalized calcite. Contains abundant fragments of plecypoda, and gastropoda.

Shell 75%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), hash like in zones. Fossils including gastropods and plecypods. Increases towards base of section.

Observer_	
Page_	of

System 9W

Date:Contractor: Southeast drilling services Inc.Location: System # 9Well: # 1-R

0'-5' Clay 100%, tan to very pale brown, plastic, trace amount of carbonae cement, no fossils.

5'-10' Clay 40%, tan to very pale brown, plastic, trace amount of carbonae cement, no fossils.

Limestone 60%, medium to dark gray, wackestone - packstone, contains carbonate sandquarts sand, recrystalized (clear tan rhombs), poorly cemented, intergranular porosity is present, rock appears to have undergone weathering (caliche psudomorph).

10'-15 Limestone 60%, medium to dark gray, wackestone - packstone, contains carbonate sandquarts sand, recrystalized (clear tan rhombs), poorly cemented, intergranular porosity is present, rock appears to have undergone weathering (caliche psudomorph).

Sand 70%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

- 15'-90' Sand 100%, white to light tan, fine grained, well rounded and moderately sorted, medium to coarse sand, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.
- 90'-135' Limestone 95%, medium to dark gray, wackestone packstone, contains carbonate sandquarts sand, recrystalized (clear tan rhombs), poorly cemented, intergranular porosity is present. Rock is recrystalized calcite. Contains fragments of plecypoda, and gastropoda.

Sand 5%, white to light tan and brown, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

135'-180' Limestone 65%, medium to dark gray, fine grained wackestone - packstone, contains carbonate sand- abundant bioclast fragments- and trace quarts and lithics, poorly cemented, porosity is present.

35

Sand \Im , white to light tan, fine grained, well rounded and well sorted, unimodal, quarts based with trace lithics-heavies-and feldspar. Sand is mostly clean but has been mixed with drilling mud.

Observer	
Page	of

Shell 30%, tan opaque, recrystalized and low Mg calcite constituents, some are etched, breakage is common (possibly secondary), hash like in zones. Fossils including gastropods and plecypods.

Observer	
Page	of

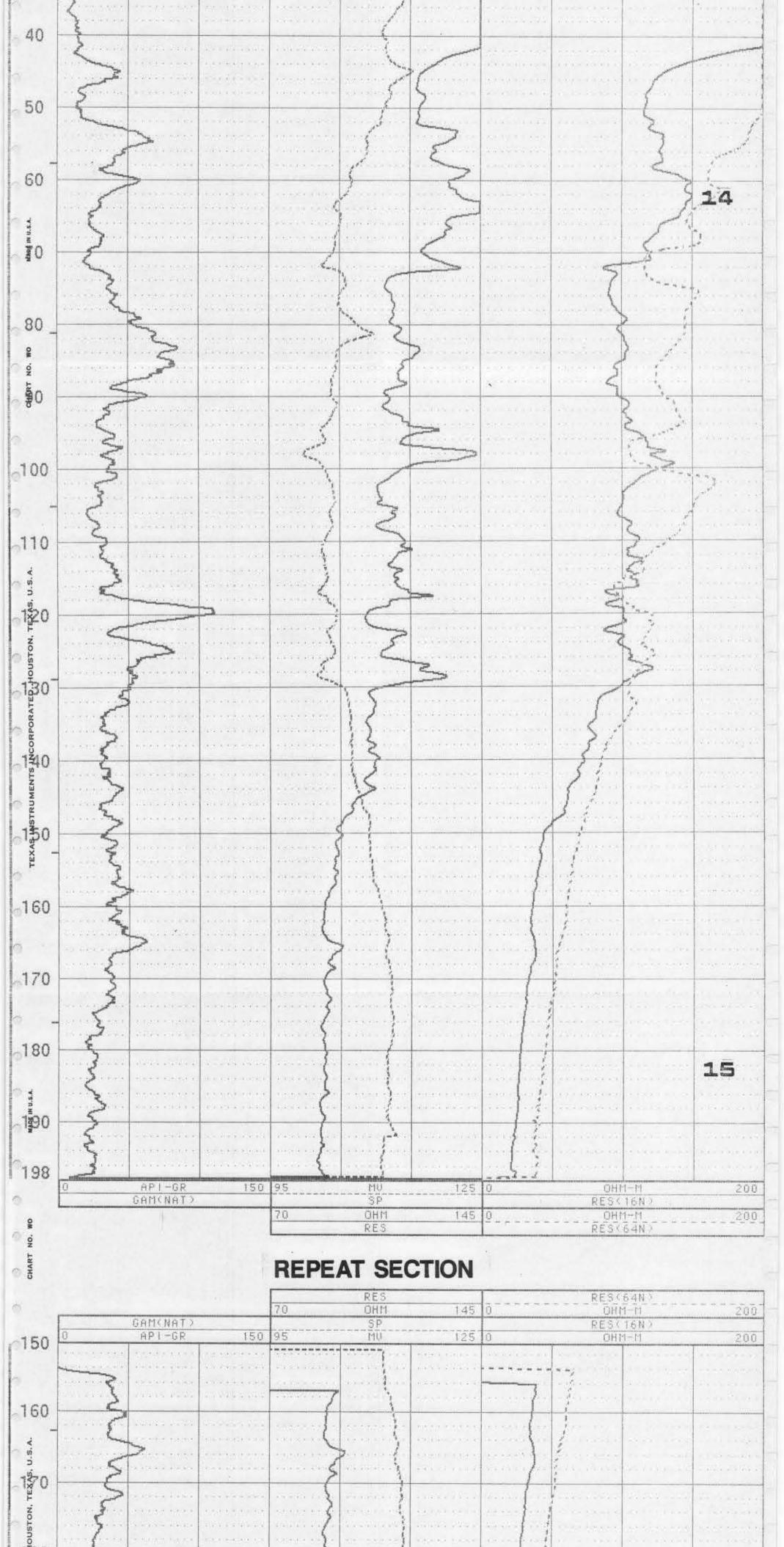
Appendix C



Geophysical Logs

Geophysical Logs System 2W

Снямн				L		A, SP ECTRIC T ELECT	RIC
		SYS2W	WELL	14			
DEPTH DRILLER LOG BOTTOM LOG TOP CASING DRILLER CASING TYPE CASING THICKNES BIT SIZE MAGNETIC DECL. MATRIX DENSITY FLUID DENSITY NEUTRON MATRIX	: SYS2W WEI : SYSTEM 2W : PALM BEAC : FL : : 05/23/96 : 200 : 198.00 : 0.60 : 20 : 20 : PVC	IPPINEHURST R TOWNSHI PERMANE ELEV. P LOG MEA DRL MEA DRL MEA LOGGING FIELD O RECORDE BOREHOL RM RM TEMP MATRIX	OAD P : NT DATUM : ERM. DATUM : SURED FROM : SURED FROM : SURED FROM : INIT : FFICE : D BY : E FLUID : E FLUID : ERATURE :	GL GL NZA GL	RAI ELI RI DI GI ULLING FI TY LC PI	F : N/R : N/A LE : ORIGH PE : 9041A G : 7 OT : MARK :	
REMARKS OBSERVER: RAND LOGGED UNDER S	TATIC CONDIT	IONS ON PILOT	HOLE			IRESH: 10000	
OBSERVER: RAND Logged under s	TATIC CONDIT		F HOLE F TO STANDA	RD TERM		ITIONS	
OBSERVER: RAND Logged under s	TATIC CONDIT	IONS ON PILOT	F HOLE F TO STANDA RES			ITIONS RES(64N)	
OBSERVER: RAND LOGGED UNDER S ALL GAMCN	TATIC CONDIT SERVICES PRO	IONS ON PILOT	T HOLE T TO STANDA RES OHM SP	145 0		ITIONS	
OBSERVER: RAND Logged under S All	TATIC CONDIT SERVICES PRO	IONS ON PILOT UIDED SUBJEC 70 95	T HOLE T TO STANDA RES OHM SP MU	145 0 125 0		RES(64N) DHM-M	
OBSERVER: RAND LOGGED UNDER S ALL GAMCN 0 AP1-	TATIC CONDIT SERVICES PRO	IONS ON PILOT UIDED SUBJEC 70 95	T HOLE T TO STANDA RES OHN SP MU	145 0 125 0		RES(64N) DHM-M RES(16N)	
OBSERVER: RAND LOGGED UNDER S ALL GAMCN 0 AP1-	TATIC CONDIT SERVICES PRO	IONS ON PILOT UIDED SUBJEC 70 95	F HOLE F TO STANDA RES OHM SP MU	145 0 125 0		RES(64N) DHM-M RES(16N)	
OBSERVER: RAND LOGGED UNDER S ALL GAMCN 0 AP1-	TATIC CONDIT SERVICES PRO	IONS ON PILOT UIDED SUBJEC 70 95	T HOLE T TO STANDA RES OHM SP MU	145 0 125 0		RES(64N) DHM-M RES(16N)	
OBSERVER: RAND LOGGED UNDER S ALL GAMCN 0 AP1-	TATIC CONDIT SERVICES PRO	IONS ON PILOT UIDED SUBJEC 70 95	F HOLE F TO STANDA RES OHM SP MU	145 0 125 0	S AND COND	RES(64N) DHM-M RES(16N)	
OBSERVER: RAND LOGGED UNDER S ALL GAMCN 0 AP1-	TATIC CONDIT SERVICES PRO	IONS ON PILOT UIDED SUBJEC 70 95	T HOLE T TO STANDA RES OHM SP MU 	145 0 125 0	S AND COND	ITIONS RESCOAND OHM-M RESCIOND OHM-M	
OBSERVER: RAND LOGGED UNDER S ALL GAMCN 0 AP1-	TATIC CONDIT	TONS ON PILOT	T HOLE T TO STANDA RES OHM SP MU 	145 0 125 0	S AND COND	ITIONS RESCOAND OHM-M RESCIOND OHM-M	
OBSERVER: RAND LOGGED UNDER S ALL GAMCN 0 AP1-	TATIC CONDIT SERVICES PRO	IONS ON PILOT	E HOLE E TO STANDA RES OHN SP MU	145 0 125 0	S AND COND	ITIONS RESCOAND OHM-M RESCIOND OHM-M	
OBSERVER: RAND LOGGED UNDER S ALL GAMCN 0 AP1-	TATIC CONDIT SERVICES PRO	IONS ON PILOT	E HOLE E TO STANDA RES OHM SP MU	145 0 125 0	S AND COND	ITIONS RESCOAND OHM-M RESCIOND OHM-M	
OBSERVER: RAND LOGGED UNDER S ALL GAMCN 0 AP1-	TATIC CONDIT SERVICES PRO	IONS ON PILOT	E HOLE E TO STANDA RES OHM SP MU 	145 0 125 0	S AND COND	ITIONS RESCOAND OHM-M RESCIOND OHM-M	
OBSERVER: RAND LOGGED UNDER S ALL	TATIC CONDIT SERVICES PRO	IONS ON PILOT	E HOLE E TO STANDA RES OHM SP MU 	145 0	S AND COND	ITIONS RESCOAND OHM-M RESCIOND OHM-M	



in				No. of Concession, Name of Street, or other	OHM	145	CARGO CONTRACTOR CONTRACTOR	они-и	and the second states in the second
LSN	0	API-GR GAM(NAT)	150	95	NU SP	125	0	OHM-M RESKIAN?	200
8 GATWE		n na an saona na saona saona	san newster 1990 Savet Sa	(25 55 2605 46 22 220 0201 22 24 220 0201 22	{				
SU SI	5	n askes vivas	11/2 13/351 23		-{	-A	- 1 3	Served server in server was	or our vourse
ho					(
	5				1 2		1 1 1		
00_	·				1				
00	1	a nitali tatan	124 56.82 13	Stream a	1	-	in a freed	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	5		11/12/12/12/12/12/12/12/12/12/12/12/12/1		1		1		

n.

CALIPER

CH2MHILL

CHART NO. WO

SYS2W WELL 14

COMPANY WELL LOCATION/FIELD	: 1	SOUTHEAST SYS2W WELL SYSTEM 2W/	. 14	SERU, INC. F ROAD	OTHER NONE	SERVICES	s:		
COUNTY	;]	PALM BEACH	1		1				
STATE	: 1	FLORIDA			And a state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the		and a		
SECTION	3		TOWN	SHIP :		1	RANGE	.1	
DATE	: (09/08/96	PERM	ANENT DATUM :	N/A	1	ELEVAT	IONS	
DEPTH DRILLER	: 3	134	ELEU	. PERM. DATUM:	N/A		KB	: N/A	
LOG BOTTOM		137.80	LOG	MEASURED FROM:	GL		DF	: N/A	
LOG TOP	:	68.10	DRL I	MEASURED FROM:	N/A		GL	: N/A	
CASING DRILLER	: 1	80	LOGG	ING UNIT :	1				
CASING TYPE		PUC			DFB				
CASING THICKNES				and the second second second second second second second second second second second second second second second	M. SCH	ILLING			
BIT SIZE	: :	22.25	BORE	HOLE FLUID :	MUD		FILE	: ORIGI	NAL
MAGNETIC DECL.			RM		10.000		TYPE	: 906562	2
MATRIX DENSITY				EMPERATURE :			LOG	: 2	
FLUID DENSITY			642 C. 1446	IX DELTA T :			PLOT	: MARK	2
NEUTRON MATRIX	140			D DELTA T :			THRES		
REMARKS OBSERVER: CHRI LOGGED UNDER S	TAT	C CONDITI	ONS ON RE	CAMED BOREHOLE		S AND CO	NDITIC	NC	
OBSERVER: CHRI LOGGED UNDER S ALL	TAT	C CONDITI	ONS ON RE	CAMED BOREHOLE		S AND CO	NDITIC	INS	
OBSERVER: CHRI LOGGED UNDER S	TAT	C CONDITI	ONS ON RE	EAMED BOREHOLE JECT TO STANDA		S AND CO	NDITIC	INS	
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI	ONS ON RE	CAMED BOREHOLE		S AND CO	NDITIC	INS	
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI	ONS ON RE	CAMED BOREHOLE	RD TERM				
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI	ONS ON RE	CAMED BOREHOLE	RD TERM				
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI	ONS ON RE	CAMED BOREHOLE	RD TERM				ere rerea
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI	ONS ON RE	CAMED BOREHOLE	RD TERM				ere rerea
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI	ONS ON RE	CAMED BOREHOLE	RD TERM				ere rerea
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI	ONS ON RE	CALIPER	RD TERM				
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI	ONS ON RE TIDED SUB.	CALIPER	RD TERM				
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI	ONS ON RE	CALIPER INCH	RD TERM				
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI	ONS ON RE TIDED SUB.	CALIPER INCH	RD TERM				
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI	ONS ON RE TIDED SUB.	CALIPER INCH	RD TERM				
OBSERVER: CHRI LOGGED UNDER S ALL	SER	IC CONDITI		CALIPER INCH	RD TERM				
OBSERVER: CHRI	SER		ONS ON RE TIDED SUB.	CALIPER INCH	RD TERM				05
OBSERVER: CHRI LOGGED UNDER S ALL	SER		ONS ON RE TIDED SUB.	CALIPER INCH	RD TERM				05
OBSERVER: CHRI LOGGED UNDER S ALL	SER			CALIPER INCH					05
OBSERVER: CHRI LOGGED UNDER S ALL	SER			CALIPER INCH					

					CAL	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	and particular the start			
10	20	Service and the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the servi	and an entry of the second second	5	1.61	CH	Laurenauren			31
38	(1,1,2,2,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,	2423 1443	4 (0) (1) (1) (1) (1) (2) (2)	12224	- marine in the second			Carls Constants of	Contraction of the second	
1	and the second second		1	East resources	The managements	near same	an tra tana	101001000.000	a 1111 1011	STATE TOTAL
			e para ante para					Section in	1.000.0000	
30		2 M	1							
	سيتعترن ومستعام		i jaansa saa	1000000000000	jaa been sees		(1.1) (1.1) (1.1)	wate concern and	1.1.1.1.2.2.2.2.2	$(x_1,x_2,x_3,x_3,x_3,x_4,x_5,x_5,x_5,x_5,x_5,x_5,x_5,x_5,x_5,x_5$
	and the second	HILL REAL PROPERTY OF	5	NAME DAMA N				14100111.51	an manna	income.
		1. A. A. A. A. A. A.	·	Froma care a	(1) 1 494/14/4 492/34	4040400 E.96000 B2	or a relation and press)	(414)) (434)4 + 1		()+(+++++)
			A DAME THE SAME							
0				1						
-		101414 1044	a la contra una	1.1.		and a state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the	and a second second	the second second		Sector and the sector and
	on de elementes Guan a la la casa	14 11 214		7						
10										
I A I	the second second second second second second second second second second second second second second second se	1	and the subscription of the subscription of the		IL PORT IN ALL	Contract of the second	Contractor and Contractor	the second second second	and a second second	

CH?MI				CALIPER	16
COMPANY	SOUTHEAST D SYS2W WELL		OTHER SERVICE GAMMA, SP	25 :	
LOCATION/FIELD COUNTY STATE SECTION	: SYSTEM 2W/P : PALM BEACH : FL :	INEHURST ROAD TOWNSHIP	LSN ELEC SINGLEPT	RANGE :	
DATE DEPTH DRILLER LOG BOTTOM LOG TOP CASING DRILLER CASING TYPE CASING THICKNESS	: 200 : 197.90 : -0.10 : 20 : PVC	PERMANENT DATUM ELEV. PERM. DATUM LOG MEASURED FROM DRL MEASURED FROM LOGGING UNIT FIELD OFFICE RECORDED BY	: N/A : GL : N/A : 1	ELEVATIONS KB : N/A DF : N/A GL : N/A	
BIT SIZE MAGNETIC DECL. MATRIX DENSITY	: 5.875 : :	RM RM TEMPERATURE MATRIX DELTA T	: MUD : :	FILE : ORIGINAL TYPE : CCAL1 LOG : 5 PLOT : MARK 2 THRESH: 10000	
LOGGED UNDER ST	TATIC CONDITIO	FLUID DELTA T NTGOMERY WATSON NS ON PILOT HOLE			
NEUTRON MATRIX REMARKS OBSERVER: RANDY LOGGED UNDER ST	TATIC CONDITIO	NTGOMERY WATSON NS ON PILOT HOLE DED SUBJECT TO STANDA CALIPER	ARD TERMS AND C		
NEUTRON MATRIX REMARKS OBSERVER: RANDY LOGGED UNDER ST ALL 3	TATIC CONDITIO	NTGOMERY WATSON NS ON PILOT HOLE DED SUBJECT TO STANDA CALIPER INCH		ONDITIONS	
NEUTRON MATRIX REMARKS OBSERVER: RANDY LOGGED UNDER ST ALL S	TATIC CONDITIO	NTGOMERY WATSON NS ON PILOT HOLE DED SUBJECT TO STANDA CALIPER INCH		ONDITIONS	17 187
NEUTRON MATRIX REMARKS OBSERVER: RANDY LOGGED UNDER ST ALL 3	TATIC CONDITIO	NTGOMERY WATSON NS ON PILOT HOLE DED SUBJECT TO STANDA		ONDITIONS	
NEUTRON MATRIX REMARKS OBSERVER: RANDY LOGGED UNDER ST ALL 3		NTGOMERY WATSON NS ON PILOT HOLE DED SUBJECT TO STANDA		ONDITIONS	

	a tana tanaa	1		+++++++++++++++++++++++++++++++++++++++		2	$c_{1} \mapsto (0,0) = (0,+\infty)$	$c = (a \cdot c - c_{a}^{2}) \cdot (a \cdot c_{a})$	 C= 0.000 C= 0.000 	him
	an an an an an an an an an an an an an a		a taga taga			3	n pri nandra mare		x	
		1000000000	in the statements in the statements in the statements	1000 1000 10		al and		((x;x;+,+,x;)x;) +		a la conserv
	+ + + + + + + + +				3					
-		tente tante t		enter a como ser	5	$(A_{ij} \neq C A_{ij}) = (A_{ij}) (i (A_{ij}) + i)$	(1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	Constant Constants	4 14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0.0000.02000
	1.5 + 1.4 + 1.4 × 1.4			1.5.5.1.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	2	4040404 408000 50	e la coltent distan		4961 20191 TALV	
	Stands Sta	potent served s		1.2012 1.10103	2	$+(\pm)(0,\pm)<\pm(\infty)(0,\pm)$	<pre>() () () () () () () () () () () () () (</pre>	and the second of	n et parte terra a conservation	and the second second second
Ŀ			1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		M	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	n an ruthach an rai e ann anns an saiste	CALL CONSTRAINTS AND DESCRIPTION	n (1908) 1997 Star Scott (1992)	- 17765-58945 - 1776-571 - 1776-571
Ľ	anan indonesia nanan Mara Patri I. Anana									
	$\begin{array}{l} + \ & = \ & (\ (\ (\) \) \) \) \ \\ + \ & (\) \ (\) \) \ \\ + \ & (\) \ (\) \) \ \\ + \ & (\) \) \ \\ + \ & (\) \ \\ + \ & (\) \) \ \\ + \ & (\) \ \\ + \ & (\) \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \\ + \ \ \ \$				5	version states		ORL Gas		
ł		Street Lanes	UNIX SIRVER FORM		ST.	• • • • • • • • • • •	et un ser a rea	Carela and A		
l	ente pare pare	NITIONAL ISSUES			5					
ŀ				and the second		2		<u></u>		
	$(f_{i}, \phi_{i}) \in (0, \infty, 0, \infty, \infty, \infty)$	$(x_1,y_2) \in (x_1,y_2,y_3) \in (x_1,y_2,y_3)$	$(A^{+},b^{+},a^{-},a^{-},a^{-}) \in [a^{+},a^{+},a^{+}]$	nerran nerve Gereka gereka		salawa ansara	n 100 2 Ward 1875	19 course	el tes mossies Sport rever her	n na state
				190909 19989 199209 1997 1		7			el de Barrenne. Redet en et sans	
			10000					and the street		-
	4743211 1221 1221 2014 2014 2014 2014	$(1,r)^2(1/2) \neq q/2/n$	the same to	N 1014 1014	-			1	and they out	· · · · · · · · · · · · · · · · · · ·
	4/4/4/4/4/4/4/4/4/4/4/4/4/4/4/4/4/4/4/		ante anan na		5					
	na an tata ta Mana Bata a	There is a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	$ \begin{split} & t_{1}(t) + (t-s) + (t-s) + s \\ & t_{1}(t-s) + (t-s) + (t-s) \\ & t_{1}(t-s) + (t-s) + (t-s) \\ & t_{2}(t-s) + (t-s) + (t-s) \\ & t_{1}(t-s) + (t-s) + (t-s) + (t-s) \\ & t_{1}(t-s) + (t-s) + (t-s) + (t-s) \\ & t_{1}(t-s) + (t-s) + (t-s) + (t-s) \\ & t_{1}(t-s) + (t-s) + (t-s) + (t-s) + (t-s) \\ & t_{1}(t-s) + (t-s) + (t-s) + (t-s) + (t-s) \\ & t_{1}(t-s) + (t-s) + $		Manage		1		iner erner es	e v a 2 2 2 2
	nana sama ra	$(x,y,y,y,z) \in (x,y)$		and the second second second				AND AVERAL MARKING		
		100 100 N 100		221 184.79538	Called Volter C	~		1111111111111111		
	n ana inisia in Sistemati stati si		nada tabas e	44,244,000 (000) (000)(000)(000)	-	ar a sina ar a sina a	4145919-145252-1	11 51 51 538 11 6 5 6 7 5 6 8		
				164 estilate (124)	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	Z	ann mai i		i sone o municipal	
	rationes haven		$\left\ e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} + \left\ e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} \right\ _{L^{\infty}} + \left\ e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} \right\ _{L^{\infty}} + \left\ e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i \phi} e^{i$		0000 00 mm				1	- 24 MI
		****		All Carton Control						
	e estato atenta e estato atente e		(x,y,y,z,y,z,y,z,y,z,y,z,y,z,y,z,y,z,y,z,					1		all se mane ann
	a a-2010a (berda) (Ber Some Kr	A NAME ANALY	THE STREET			Contraction of the	101 - CARLES - S	1	
	and the state of the state	ANT STORE OF	61 10600564-1 01 10600564-1	$\begin{array}{cccc} (2,2,2,2) & (1,2,2) & (1,2,2) \\ (2,1,1,2) & (1,1,2) & (1,2) \\ (2,1,1,2) & (1,1,2) & (1,2) \\ \end{array}$	ARCIN	orina corola da Istant da corola da				and the second second
	n tanan tanan Vinsen Sahari	antan nan 12. Antan nan	e secon normalis.	Anna sanas ese Anna Shake san	3	uns issu: 15 men rate ra	12.17172 - 17.772 - 25.1630 (1) - 17.772 -	i di nan san Tana kana san		
	a waa saraa	Total Transferred		$(x_i + (x_i + (x_i + (x_i + x_i)))))$	3	ana nazi si	a este e parte			
	on onen oon oo Marinaan oon Afrikaan oon	Normal American Normal American Normal American	19 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	alation an ann an an an an Annsan an an an an an an	and and and and and and and and and and	inaskanna va Pastivitati po Ma	S 1100 0 000 1 13000 0000	1000 1904 190 (101) 20100 193	8 100 1.201 11 1.101 1.209	inter an estate and a second second second second second second second second second second second second second second second s
_					2	ASAISE NAM PA	2 64 5 1 63 0 W			18
	es serve stati A secto serve		an an an an an an an an an an an an an a		5					
		4 4 90 (17 10 10 10 10 10 10 10 10 10 10 10 10 10	985 - 2000 - 2002 1	MITA PERA P	5			antiaz ele i e	> 10.521 1.01.0	
	and the second second	SECONDARY STATE	977 - 296 (m. 1997) 2020 - 100 (m. 1997) 2020 - 100 (m. 1997)		3	nasa tatan t Ing Paris I	(63.000) - 660 (71.000)		N. Krewitzer	
		111.1112 1.1112 2019/02/2 42424-2	na tata san Menang ang	rata para n Parazita di	5	100 803 0 30 4 4 4 1 4 1 7 7 7 7 7 7 7 7 7	No. 19660 (N. 1) No. 19710 (1978)		a a na fhair Se is 20 an	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
	45744444	-14.24 2.243	and the const	12012 BN16	§	NAMES SAN		()) = x (t≥x <		
	1	a na sa sa sa sa sa sa sa sa sa sa sa sa sa	$(\pm (\pm (+ (+ (+ (+ (+ (+ (+ (+ (+ (+ (+ (+ (+ $	салагыз халан. Одогоо улгаса	<u>}</u>	155200-13430 108003-0003	VI LIGIT SVU VA GORE ASIA	Contante : Esse - Contra	iner bester berei Nach bester berei	
100					(N) CALI	the speed below a strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of the strength of				1
				REP	EAT S	ECTIO	N			
2					CALI	PER				12
0		44 444 49949 194 446 49949		a salaa salaa a salaa salaa		a tana tana) Tanan tana		se compression		0.404 (4. 0723)
	ana ang ar	1.1.1.1.1.1.1.5.5. 2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	notes success	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		201 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100		o santa serian 14 zaron anara 13 senañ santañ	nasi tak se se Referense and Kaka se asa seri	
1		+ (x - x) + (x - x) (x)	energia presenta di	n saasaaa	N.	the terms of the ty	Auto como el		ана - са - са - са - са - са - са - са - са - са	5 6 90 - 204
		na casa casa 19. 2011 - 199	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	na salah katal Ng tanga tang	MM	22.2.2.277.2.222 823.525624.5220	ener Produktionen er Recentrationen er	23.023.0023 23.024.0255	ANN 11 M.C.M. 12- 1959-24 19-19 - 48	n 1924- 1246 11 2001 1200
				10 x - 50 x - x - x - x - x - x - x - x - x - x	2	••••••••••••••	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	11 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 - 10 - 10 AVA - 10	- 100-0 0 million
	1050101 2080503 10	ana a an an an an an an an an an an an a		na para dari	ź.	VIII 1953 (* 1957) 1954 - Joseph I. 1967)	undat senart is Parta rana ri	14 - 14 - 1 - 1 - 1 14 - 14 - 1 - 1 - 1		
	THE PARTY AND A PARTY OF A	4963 - 6426 V 4 7 1		1.1.1.1.101.105.5 Test for the const		1977 (414 1979) 4149 (429) (419)	seeden oor ee Gebeure is oor ee		land on the s	na iswa wa Watania
		tata tata e seria			7	1				
		an text ter		5		9064 (cm 6), 192 1	TANKI MINA	" hitst totate	200400000000000000000000000000000000000	201-1891-2-1983
		a on them the i nan a ban an a theth the the sec	 • • • • • • • • • • • • • • • • • • •		3	nto prima de Pra prima de	n n 1965 (r		12/24 044 0 2000 - 2000 2000 - 2000	
		2,000 V-502,200 V-200 0,000,202,201, 2020 4,424,45,404,404,404 404,401,404,404,404	 • • • • • • • • • • • • • • • • • • •			nan sanan na 224 milita na 144 Calendar		A 4 4 4 4 4 4 4 4 4 4 4		
		2000 - 1000 - 1000 - 1000 1000 - 1000 - 1000 1000 - 1000 - 1000 1000 - 1000 - 100 1000 - 1000 - 100						alaya kasa kasa Mara kasar kasa Mara kasar kasa	2.50.00	

•

120

CHAMHILL

9

1

0

GAMMA,SP LSN ELECTRIC SINGLE POINT ELECTRIC

SYS2W WELL 15

COMPANY WELL LOCATION/F COUNTY	TIELD :	SYS2W WEL System 2W Palm Beac	PINEHURST ROAD	OTHER SE CALIPER	RVICES:		07
STATE SECTION		FL	TOWNSHIP	:	RANGE		
DATE		05/23/96	PERMANENT DATUM	: GL	ELEVA	TIONS	
DEPTH DRIL	LER :	200	ELEV. PERM. DATUM	: N/A	KB	: NZA	
LOG BOTTOM	f : : :	195.10	LOG MEASURED FROM	: GL	DF	: N/A	
LOG TOP	1	0.80	DRL MEASURED FROM	: N/A	GL	: N/A	
CASING DRI	TTED .	20	TACOTHO UNITE				
		20	LOGGING UNIT	: 1			
CASING TYP		PUC	FIELD OFFICE	: DFB			
CASING THI	CRNESS:		RECORDED BY	: M. SCHIL	LING		
BIT SIZE	:	5.875	BOREHOLE FLUID	: MUD	FILE	: ORIGINA	L.
MAGNETIC D	ECL. :		RM	:	TYPE	: 99414	
MATRIX DEN			RM TEMPERATURE		LOG	: 3	
FLUID DENS			MATRIX DELTA T		PLOT	and the second second second second	6 T.
						SH: 10000	
	RANDY		FLUID DELTA T MONTGOMERY WATSON IONS ON PILOT HOLE				
REMARKS OBSERVER:	: RANDY IDER STA	IC CONDIT	MONTGOMERY WATSON	ARD TERMS (
REMARKS OBSERVER:	: RANDY IDER STA	IC CONDIT	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND RES	1	AND CONDIT	ES(64N)	2
REMARKS OBSERVER:	: RANDY : IDER STA ALL SE	TIC CONDIT RUICES PRO	MONTGOMERY WATSON IONS ON PILOT HOLE WIDED SUBJECT TO STAND	ARD TERMS (AND CONDIT	ES(64N) OHM-M	2
REMARKS OBSERVER:	: RANDY IDER STA	TIC CONDIT RUICES PRO	MONTGOMERY WATSON IONS ON PILOT HOLE WIDED SUBJECT TO STAND RES 50 DHM	1	AND CONDIT	ES(64N)	1910-0-1
REMARKS OBSERVER: LOGGED UN	EANDY STAT	TIC CONDIT RUICES PRO	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND RES 50 OHM SP 160 MU	125 0 190 0	AND CONDIT	ES(64N) OHM-M ES(16N) OHM-M	2
REMARKS OBSERVER: LOGGED UN	EANDY IDER STAT ALL SE	TIC CONDIT RUICES PRO	MONTGOMERY WATSON IONS ON PILOT HOLE WIDED SUBJECT TO STAND RES 50 OHM SP 160 MU	125 0 190 0	AND CONDIT	ES(64N) OHM-M ES(16N) OHM-M	2
REMARKS OBSERVER: LOGGED UN	EANDY STAT	CIC CONDIT RUICES PRO	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND RES 50 OHM SP 160 MU	125 0 190 0	R	ES(64N) OHM-M ES(16N) GHM-M	2
REMARKS OBSERVER: LOGGED UN	EANDY STAT	CIC CONDIT RUICES PRO	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND RES 50 OHM SP 160 MU	125 0	AND CONDIT	ES(64N) OHM-M ES(16N) OHM-M	2
REMARKS OBSERVER: LOGGED UN	IDER STAT	TIC CONDIT RUICES PRO	MONTGOMERY WATSON IONS ON PILOT HOLE WIDED SUBJECT TO STAND RES 50 OHM 160 MU	125 0	AND CONDIT	ES(64N) OHM-M ES(16N) OHM-M	2
REMARKS OBSERVER: LOGGED UN	: RANDY : IDER STAT ALL SE	CIC CONDIT RUICES PRO	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND RES 50 OHM SP 160 MU	125 0	AND CONDIT	ES(64N) OHM-M ES(16N) OHM-M	2
REMARKS OBSERVER: LOGGED UN	: RANDY : IDER STAT ALL SE	TIC CONDIT RUICES PRO 150	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND RES 50 OHM 160 MU	125 0	R	ES(64N) OHM-M OHM-M OHM-M	2
REMARKS OBSERVER: LOGGED UN	IDER STAT	TIC CONDIT RUICES PRO 150	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND RES 50 OHM 50 OHM 160 MU	125 0	R	ES (64N) OHMM ES (16N) GHM-M	
REMARKS OBSERVER: LOGGED UN	IDER STAT	TIC CONDIT RUICES PRO 150	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND RES 50 OHM 160 MU	125 0	AND CONDIT	ES(64N) OHM-M ES(16N) OHM-M	
REMARKS OBSERVER: LOGGED UN	IDER STAT	TIC CONDIT RUICES PRO 150	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND RES 50 OHM 160 MU	125 0	AND CONDIT	ES (64N) OHMM ES (16N) GHM-M	
DESERVER: LOGGED UN	IDER STAT	TIC CONDIT RUICES PRO 150	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND RES 50 OHM SP 160 MU	125 0	AND CONDIT	ES (64N) OHM-M ES (16N) OHM-M	
REMARKS OBSERVER: LOGGED UN	IDER STAT	TIC CONDIT RUICES PRO 150	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND RES 50 DHM 160 MU	125 0 190 0 	R	ES(64N) OHM-M ES(16N) OHM-M	2 1 1 1 21 21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
REMARKS OBSERVER: LOGGED UN	ERANDY IDER STAT ALL SE	11C CONDIT RUICES PRO 150	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND	125 0	AND CONDIT	ES (64N) OHMM ES (16N) OHMM	
REMARKS OBSERVER: LOGGED UN	IDER STAT	IC CONDIT RUICES PRO 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND		AND CONDIT	ES (64N) OHM-M ES (16N) OHM-M	
REMARKS OBSERVER: LOGGED UN	IDER STAT	IC CONDIT RUICES PRO 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND		AND CONDIT	ES (64N) OHMM ES (16N) OHMM	
REMARKS OBSERVER: LOGGED UN	IDER STAT	IC CONDIT RUICES PRO 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 <	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND	125 0	AND CONDIT	ES (64N) OHMM ES (16N) OHMM	2
REMARKS OBSERVER: LOGGED UN	ALL SE	IC CONDIT RUICES PRO 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 <	MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STAND		AND CONDIT	ES(64N) OHM-M ES(16N) OHM-M	

TEX	3		an term and	2					- a is as sila -	1
· 40 -	- 3									
0	5	NAMES AND	the little state	1		1			-	
	1	REAL PROPERTY	1 10 10	· · · · · · · · · · · · · · · · · · ·	na en el el el el el	5		5405 525.01 - 400 - 440 0	1 1	
050	5			1						1
0	2	2.301.031-041-04		See Speed		tenners	01.1477.1010		1	
		>			1		an an an Sar	1	1	
⁰ 60 -	- F	enter the				$\mathbf{r}_{i}(\mathbf{r}) \in \{\mathbf{r} \mid i \mid i \in [k-1]\}$	1. · · · · · · · · ·		an fre	1.0.010.000000000
0	3				>		aa moo na sa cena ma	1	1	08
20	3	A Service A		and for	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	12/12/04/04 5			an an an an an an an an an an an an an a	LAST BAILS
wybe is a for	3		A STATE OF A STATE OF A STATE	1		>			Dr	esseries of
0		5		and the second						
80		2	1494 A & 1 - 2 4)		andra succession			\$ 1	
		3		1	6	Contraction to the state	113.1211555 4 - Conta Rita	1		
0#	5	1	1979 Street and		(an ante sua La costa para)	1	ester test i te
CHARTON.		3	and the second second	www.www.co.co.co.co.co.co.co.co.co.co.co.co.co.	7		55 1 N 67 1 1 1 2	-	1. S.	
CHA	5		$\frac{1}{2} \left(\left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} + \left(\frac{1}{2} \right)^{2} + \left(\left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left(\frac{1}{2} + \left($				the based street		(;3;	
				1				6		6 10 1 1 10 10 10
100	····	u cherch e stelle	(4)-4444444			arababa (1988) a	14-14-14 (41-14) (4-14)		2	1 = 1 + 1 + 1 + 1
0	3				0				11	
-110	1	1 1 2 2 2 2 2 2 2 2	1.121 102.000 101		5	provine them.	an United State		(and for	
110	2				4	>			Information and	
· ·	~		and parts for		1 /		Sector Con-	e]]	
120			1007 55 55 111	10.0000 No.20	1	11044 5155	an salar sala		5/	COAS NOR CO
EXAS	5				£.	4			Si	
HOUSTON, TEX	5				- N	-			1	
ារទ្វី30-									<u>``</u> }	
	Ş				V			1		
PORATED	5	1	1920 CONSTRUCT 2020 DOM: 122		3.2			e	\$ 3	
1540	5							}		n di su analari su
UMENTS INCOR	1	1.1.1.1.1.1.1.1.1.1.1.1.1	 C9 SOF(16) 	x = x + x + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 +	······/·	0.0000000000000000000000000000000000000	$(i,j) \in [0,\infty) \cap [0,\infty)$	(3	non sei au	
COME	5			 400 (\$ - 0.000) 	1.			1 1		
150	3		State Laboration (2021	ana na ang	51	giana ana ana ana ana ana ana ana ana ana	samannan	5.0	S PIN I DE	
EXAS	L .				1	1. No.		1 2		
F	5					1	/		Law Inc.	and the second

5	API-GR GAM(NAT)	2010 1410 C		}	/			1-11	
5	14 127 4 4 42444 14 127 427 122 434 14 431 427 122 434 14 434 42 424 434 14 434 42 42 434 14 434 42 434 14 434 434 434 14 434 434 434 14 434 434 434 14 434 434 434 14 434 434 434 14 434 434 434 14 434 434 434 14 434 434 434 14 434 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 14 434 434 434 434 434 434 434 434 434 4			}					09
~	14 1914 (4 1836) 14 191 (4 1826) 14 191 (4 1826) 14 191 (4 1826)			}				1000000000	09
5	n entra essea A fillett esset	2010 1410 C	1. 1944 - 1944 1. 1945 - 1944 1. 1945 - 1945	5	/			1000000000	09.
5	ia entre entres			5	former				09
3	2.1200.0000				farment		(34.1030.230	
5	a 1 a 24 AGUS	1111 in 11 22	PRODUCT PRO-	5	1.1	1			NEOR NEE
5				16	1			1	
n an an an an an an an an an an an an an				5	1 .	f	1	11 A	
5				5	})			
5				5	2	3	1		
	d veste vestel	and second sec	s usidi nam			· · · · · ·	a Sannana	an and the	
	a cardo a cardo	-		\$		1	i den en en	Des obseit com	
	- A	< < <						\$	

REPEAT SECTION

0

OM ó

СНАRT	-			50	RES OHM	125	0	RES(0H1	and then the start and the start was a	200
0		GAM(NAT)			SP			RES	16N0	
150	0	API-GR	150	160	MU	190	0	OHI	1-M	200
150		THE REPORT ADDRESS					the series of	1 100 CH 104050		C 2007 10000
-								77.2		
		$(x_i,y_i) \mapsto (x_i,y_i) \mapsto (x_i$	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		(te estate distante	(+ x2+ x2+ x/+ x/+	P. Same		ANALASIA XAMADA
	····· 2. ·	12.557.55	1000000000000	a stat tatat	1 5 1	a para tara	and the second	and a case	low, the two	14202 14/4
60	5				4		1	. E		tere line
			mount and sal	a mant parties	12	1 1414 2114				12205 2552
		Sama a sama a	$(1, 2, 2, 2) \in \mathbb{R} \setminus \{0, 1, 2, 3, 3, 4, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,$		Same?		a second for		(= (+) + > =+(+)	00000 0000
	5	Course a service	5-575 G-57581 A-F	10 2012 2020 <u>0</u>	5 1		and a second sec	for a started and the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the started at the	0.010.000.0000	100000
70	5				21					
5	3	11 = 2 + 2 + 2 (2(2))	1/2/2/3 12/2/2/2/2/2011	21 2020202 202020	18 1	11 10/01 10:10		for a sea a sea a	244.25.2545	ALCON DATE
- xvs	···· {	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		1.2	4 6 6 4 4 6 6 6 C C	1.1.1	ference en en en en en en en en en en en en en	STREED FR	TRUE VER
HE I	3		1、15日本日本1日本1日 1、16日本日-18日日本1日	in cares examination	3.1	57 5858 5739 57 8859 6869		17 151 8 1 1687 8. 21 222 9 2 2 3 3	1417 S. 1485	
30	5				5/					
Isn		$(1)\in \mathbb{R}^{n}(\mathbb{R}^{n}) \to \mathbb{R}^{n}(\mathbb{R}^{n})$	1049404 40404 # Se	14 - 11474/14 - 17674 - H	1 - Carro	a 1944 (main)	and a star	1	545V - 158-251 VAR	second man
9 H	5	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	100000 +(+)+(+)+(+)+		Sugar	$(x,x_1,x_2,x_3,x_4,x_5,x_5,x_5,x_5,x_5,x_5,x_5,x_5,x_5,x_5$	and the for	State (1997)	$ A_{1}(t) \leq t \leq 1 \leq n$	0,808,890
Ë.	1.1.3.1.1.1	1.1.1.1.1.1.1.1.1.1	1.013.1.2.2.2.2.2	14 1 4 14 4 14 14 14 14 14 14 14 14 14 1	1.	a tant pant	1.1.1	a read north	5-5-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6	
So l	Ş	1211-0215-021-08	Annaber Britister Bri		And a second	18 896713 505 518	11	1. There are the	811328534	1.5263.5219
84 0	J			a rana rang		(1.1)(10)(-+11)(+1+		a a 100 a 100 a		
ŷ95	75) 100 - 100 100 100 50	00 1830 0.80M	NEW WEST		10000000000				DALE MANY PAL	
2	0	API-GR	150	160	UM	190	0	1HQ	1-M	200
C I		GAM(NAT)			SP			RES (California bare in the later of the later of the second states	
EXAS INSTRUMENTS INGORPOBATED, HOUSTON, TEXAS,				50	OHM	125	0	DHI RES	test for real last and has last in	200
to						1			and the second second	COMPOSITOR AND



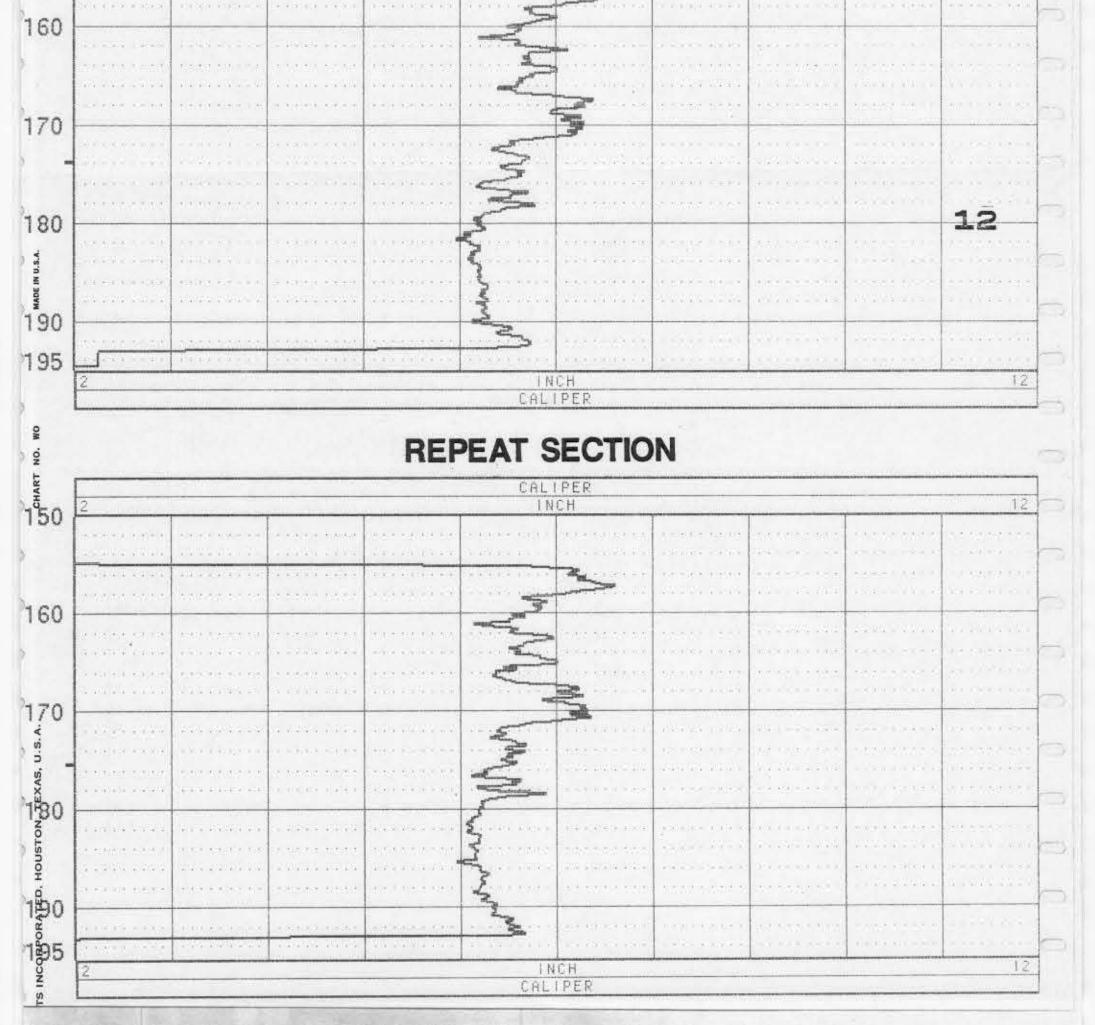
SYS2W WELL 15

-	-
-	
- 2	
-	- Bernet

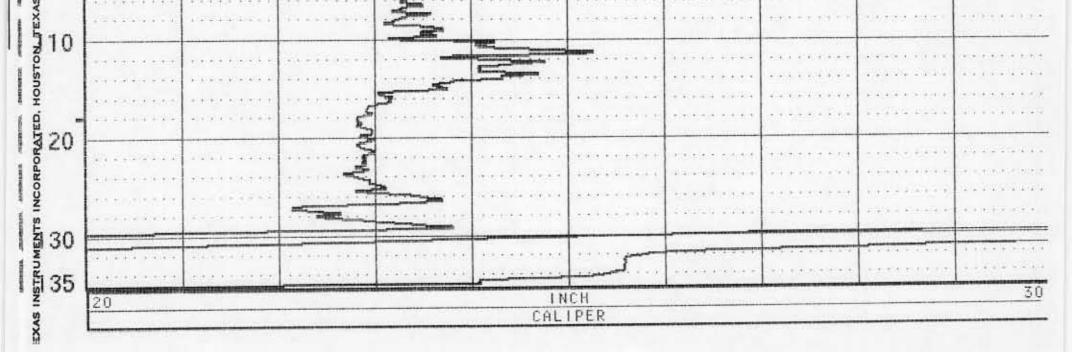
CALIPER

	: SYS	2M WELL		GAMMA,				
OCATION/FIELD			INEHURST ROAD	LSN EL	all G			-
COUNTY	; PAL	M BEACH				l.		
STATE	: FL					1.000		
SECTION			TOWNSHIP	1	RHI	NGE :		
DATE	: 05/	23/96	PERMANENT DATUM	: GL	EL	EVATION	IS	
DEPTH DRILLER			ELEV. PERM. DATUM	1: N/A	K	в :	N/A	
LOG BOTTOM	1 1	95.10	LOG MEASURED FROM		D	F :	N/A	
LOG TOP	4	0.10	DRL MEASURED FROM		G	L :	N/A	
CASING DRILLER	. 20		LOGGING UNIT	: 1				
CASING TYPE	: PUC		FIELD OFFICE	: DFB				
CASING THICKNES	- M 20004		RECORDED BY	: M. SCI	HILLING			
						INF .	ORIGINAL	
BIT SIZE	: 5.8	375	BOREHOLE FLUID	: MUD	1997			
MAGNETIC DECL.	4		RM	5			CCAL1	
MATRIX DENSITY	:		RM TEMPERATURE			김 김 씨는 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들	1	
FLUID DENSITY	1		MATRIX DELTA T			LOT :		
NEUTRON MATRIX	12		FLUID DELTA T	1	T	HRESH:	10000	
OBSERVER: RANE LOGGED UNDER S	: DY SKIN STATIC	CONDITIC	NTGOMERY WATSON					
OBSERVER: RANE LOGGED UNDER S	: DY SKIN STATIC	CONDITIC	ONTGOMERY WATSON ONS ON PILOT HOLE IDED SUBJECT TO STANI		MS AND CONI	DITIONS		
LOGGED UNDER S	: DY SKIN STATIC	CONDITIC	NTGOMERY WATSON		MS AND CONI	DITIONS		12
OBSERVER: RANE LOGGED UNDER S	: STATIC SERVIO	CONDITIC	ONTGOMERY WATSON ONS ON PILOT HOLE IDED SUBJECT TO STANI CALIPER INCH	5	T	DITIONS		12
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERUI	CONDITIC CES PROUT	ONTGOMERY WATSON ONS ON PILOT HOLE IDED SUBJECT TO STANI CALIPEI INCH	2	- 100 - 200 200			12
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERVIC	CONDITIC CES PROUT	ONTGOMERY WATSON ONS ON PILOT HOLE IDED SUBJECT TO STANI CALIPER INCH	2 				
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERVIO	CONDITIC CES PROVI	ONTGOMERY WATSON ONS ON PILOT HOLE IDED SUBJECT TO STANI CALIPER INCH	2 	- mys			
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERVIO	CONDITIC CES PROUI	ONTGOMERY WATSON ONS ON PILOT HOLE IDED SUBJECT TO STANI CALIPER INCH	2 			tation and solution in a second solution of the second solution of	
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERVIO	CONDITIC CES PROU	ONTGOMERY HATSON ONS ON PILOT HOLE IDED SUBJECT TO STAN					
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERVIO	CONDITIC CES PROUI	ONTGOMERY HATSON ONS ON PILOT HOLE IDED SUBJECT TO STAN	2 				
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERUIO	CONDITIC	ONTGOMERY WATSON ONS ON PILOT HOLE IDED SUBJECT TO STANI					
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERUIO	CONDITIC	ONTGOMERY HATSON ONS ON PILOT HOLE IDED SUBJECT TO STAN					
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERUIO	CONDITIC	ONTGOMERY HATSON ONS ON PILOT HOLE IDED SUBJECT TO STAN					
OBSERVER: RANE LOGGED UNDER S ALL	: DY SKIN STATIC SERUIO	CONDITIC CES PROU	ONTGOMERY HATSON ONS ON PILOT HOLE IDED SUBJECT TO STANI					
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERUIO	CONDITIC CES PROUI	ONTGOMERY HATSON ONS ON PILOT HOLE IDED SUBJECT TO STAN					
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERUIO	CONDITIC CES PROUI	ONTGOMERY HATSON ONS ON PILOT HOLE IDED SUBJECT TO STANI CALIPER INCH					
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERUIO	CONDITIC CES PROUI	ONTGOMERY HATSON ONS ON PILOT HOLE IDED SUBJECT TO STAN					
OBSERVER: RANE LOGGED UNDER S ALL	: STATIC SERUIO	CONDITIC CES PROUI	ONTGOMERY HATSON ONS ON PILOT HOLE IDED SUBJECT TO STAN					

	a natativi ivalitet.	antes tototos mar	2010/07/17 10/20202	den bandet tetet	Tototates (the dis	and second second	Canada Anto A	6	Torate Bardie 1	1 10 10 10 10 1 0
1	Se alla State et de latera.			$(a,b) \in (a) = (b,b) \in (a,b)$	* A-3 = -) = 1	1004 0 COECE (1004)	E1000000000000000000000000000000000000		<u> (000000000000000000000000000000000000</u>	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
+	n waaren weener	and where the	Interneting Internet	and an and a second		and comment second	5	Congress		
	1		1. 104 (401) (4. 4. 104) 104 (4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4	1274 47810 4 + 4782 1914 - CARRON HORES	EACT AND ADDRESS					
	a nama nama-	hanna administrational	riera parte	are anno ana	1-0-042 0-010-025	-		Part states 1404	TREEL SERVICE	1011 000000 00000000000000000000000000
		lease even a see				50	T		economica económica en	
-	No Illevelo (Neleco	COULD SALAR CALLS	HERE FOR ALL AND A	SEAT TOTALST ASSOC		E				
1	la statut a scattera	1000 - 1000 - 1000	rin ana a mialar m							
						2				
	a nativi nativi	1	a statement in the second	NU DAVE DE L		2		the events was	ana arata a	
-		1994 1997 1998	1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 5 - 5 - 5			The second second second second second second second second second second second second second second second se			UNDER STREET	10 11 <u>200</u> 0-001-0
+						-			1. mil - 72 - 14 - 1 m -	11
			10 (1241) # 1039.00	We careful each			E REAL PROPERTY AND		19883 60 1 0	
		-1010 1000 0000	NOTES TREES	2001 120011 2201	1.001.00200071.1		1010.0000.3	the second man	india interation	we have seen
1	a 4940201 7747474	and here the	Tatana Anara	www.awara.com	and marks	Mer	1111404-1000-014 40	and the second second	wanta casa a	
1						2	ANALY NAME IN	las entre rated		
		ANEXES REAL AND AND	Construction and Construction	New Constant Tables	Contract Street	-	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon			
		li Decese electric elec	collector ecose a			~				
	an analasan kasasa	gara averumi	Parente Maria	1992 AD4 1995 (1997)	inan www.		anive a verse	No. LANSA SERVE		
		+(0)++(+)+(++(++)+)	00000454 4040400			and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	elacidos de acoracio	the ease of the		
	a real mes	in nerow	1.2.2.2. 20.2.2	and called a second	ALC: NAME				1996 C 818064 L	- www.ewa
-										
+		Sense mannes and		an enter the			Lange China S	is success	NAME AND ADDRESS OF	
	a examination	1400 x x 1404 (1 (0))	10.00000103-0000000	404 × 4040 4000		The second second second	DEMISSION O	100 KR161 KR66	40/000 + 68065 - 65	
		Trace server the					1042250404 X0404 (0	CACH REALING HOURS		ton which these
	a initially whereas	454 × 1000 - 200	La presenta presenta	1985465/479859-48874		June 1	100000 10000	10.2030-03.2	12240 2011 1	1
ł						the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon				
	a secure contact	40213-1120213-210		10000-000-0000	1002015-200225	00.000.000		Contraction in the local division in the loc	Level Cole E	Sec. in
	+ +-+5+54 +5+5+5+				1.00000-000-000	and the second		CALCERT AND A		(124) (100) × 3000
	1.947.549	Not take the		A GOL TOMATORNA			mana atan	the street such	tente tente te	as tana tan
	$(a,b,\phi) \in (a,b,\phi)$	$[-1,1] = \{a_1,a_2,a_3,a_4,a_5,a_5,a_5,a_6,a_6,a_6,a_6,a_6,a_6,a_6,a_6,a_6,a_6$	$\langle (x,y) - \varphi_{x,y}^{(1)} \phi_{x,y}^{(1)} \phi_$	$ \langle \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} = \langle \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{\dagger} \hat{\mathbf{x}}_{i}^{$	-	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Charles and		100 X 100 10 X	1963 ACCAS AST
)		in the second second				-				
	$(x,y) \in \{x,y\}, (x,y) \in \mathbb{R}$	$(\phi_{i}^{\prime})_{i=1}^{\prime} = \phi_{i}^{\prime}(\phi_{i}^{\prime})_{i=1}^{\prime} = \phi_{i}^{$	1	242424 42424 × 3424			altrata altra	20.73.23.233	21.12.21.21.2	AS \$12.144.5
٦	1.13.007.131.301	1.11222 127.2223 127.	1. 191/201 1910/051	146407 14638 TVR-80	1.12820.055, 800327	5	128/10/1011 1002611	02 S201 1995	1.658.08 1.65 1.5 1.5	12-2 225,912 202(4)
	11 - 1919 - 1919 (L	ana anan sa	The receive sources	- 20101 2010 101 2020	1920/2010 102/201	5	sales a second	14.000.000	1 20 20 2 2 2	10.1.1.1000000000
	a talan tanak	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	of soloring soloring	(+)(+)(+)(+)(+)(+)(+)(+)(+)(+)(+)(+)(+)(1.1.1.1.1.1.1.1.1.1.1	all and a second	= (+,+,+,+,+,+,+,+,+,+,+,+,+,+,+,+,+,+,+,	$ H_{i,i}(x) = H(x_i, x_i, x_i)$	C10000C8300-0	(1) + + > (1) + + >> (1)
)					-	-5m		in national and		
)		1000 0 1000 CO	1 101 101 HORE	10 (c+ +0000) + (000		5	• • • • • • • • • • •	- A ANDA - CE S	CONTRACTOR OF ST	and states a street
				The same set		Charles Stream Street		an solid sco	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1.2.1.2.222.1.2.2
	04 42404 A 4240404	and a constant and	Contraction of a service of	and a strength when		and States of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentration of Concentra		A CONTRACTOR OF THE OWNER	A ALE ALE ALE ALE ALE ALE	
. 1	0.0000.0000.00000	20201-00240-0024	." tizzzet Antoniet,	AND STUDIES.	at the second links			Verse Mass Versi	THE ST DER S	dia vecesi sate
1					and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	b				Contraction of the second
	// 2000 010 00 00 00 //	Addated and the second	1 PARTI ANTAN	2020 1020 103		30		E SAN CONCERNE		
			- 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4			an an an an an an an an an an an an an a	· · · · · · · · · · · · · · · · · · ·			
-	(たたたたたたた) (たたたたたたたたたた)	University and the second second		1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		2	1.1 1.00303 40454 a.	1 1 1 2 4 4 1 1 1 4 4 A		A W I w A A I Chim
s I	ana manana ana a	14315 -3376 -040	5 65 F F F F F F F					011 St. (1-34)	201 0000 JOAN	structure and states
1	ant travel states	STAN AND AN	W. Save Lawred			ad and the second second second second second second second second second second second second second second s				
	an exemple i			Contraction Services	0.0000.0000		respect.		10.000 0.000	
		() ± ((i + z) + i + c)		Contraction of the state			summer fille			
	aa taasi baaj Waxay Taasa	AND STREET		2002 1311 1 13 William 2003 1 1	0.5101.5120 0.5005.5226	COMM ACCOUNT OF	Automation and a start and a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start a start			
Y L										
1		1000 100	a sead sheet	Sura su a a sar	1.1.240 F W/		a seea mata	1.000 D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Contractory of the second	14V6 202
	al 966 sector The sector			can show on						
	1874 - Arian Bole (1874)				-					
- 1	and the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the soluti	AMANA AND TO ANANA KARATA AN	14 100 81 100 100 14 1045419 1008619	ANAR NANAR TAN NANAR KANARA PAN		and the second second	12 5.5377 324633 12 6000 - 6000			
NI.					2					
1-1	124 11412 STAT	WEIGHT VERSION		WWW EVICE EX	3					
				A		have and a				
					2	2	A DEAL ENDS	falara ta ana avan	sacus sace	Williams rate
	aver in to o it faituite beta interna arcenteal	AUALON ANALA DI		A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL			The Res Calif. Warrier		contrast status	
		CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A	A REAL PROPERTY AND A REAL PROPERTY.	A CONTRACTOR OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF	AND INCOMENTATION OF A DESCRIPTION OF A					A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REAL PROPERTY OF A REA



JOUSTON, TE	ana si mangan ng kanang mangan kanang mangan kanang kanang kanang kanang kanang kanang kanang kanang kanang ka	NY DESIGNA ANA AMIN'NY TANÀNA INA MANJANA MANJANA AMIN'NA AMIN'NA AMIN'NA AMIN'NA AMIN'NA AMIN'NA AMIN'NA AMIN' I	AND DESCRIPTION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF T	CALIPER	
AENTS INCORPORATED, HOUSTON	CH2N	AHILL Syszw we	LL 15		
TEXAS	WELL : SY LOCATION/FIELD : SY COUNTY : PA STATE : FI	DUTHEAST DRILLING SERV, IN S2W WELL 15 STEM 2W/PINEHURST ROAD DLM BEACH JORIDA	C. OTHER SERVICE		
	DEPTH DRILLER : 13 LOG BOTTOM : LOG TOP :	135.40LOG MEASURED70.40DRL MEASURED	ATUM: N/A FROM: GL FROM: GL	RANGE : ELEVATIONS KB : N/A DF : N/A GL : N/A	
	CASING DRILLER : 85 CASING TYPE : PU CASING THICKNESS: .5 BIT SIZE : 22 MAGNETIC DECL. : MATRIX DENSITY :	C FIELD OFFICE RECORDED BY	:	G FILE : ORIGINAL TYPE : CCAL2 LOG : 1	ŌĠ
E IN U.S.A.	FLUID DENSITY : NEUTRON MATRIX : REMARKS : OBSERVER: RANDY SKI LOGGED UNDER STATIC	MATRIX DELIA FLUID DELTA NNER – MONTGOMERY WAISON CONDITIONS ON REAMED BOR CES PROVIDED SUBJECT TO S	T : T : Ehole	PLOT : MARK 2 THRESH:	
		n an an an an an an an an an an an an an	IPER		
₽70	20		ICH		30
vo.					
CHART		······································	$\left \begin{array}{c} -1 & -1 & -1 & -1 & -1 & -1 & -1 & -1 $		*******
80					* * * * * * * *
		~~		· ····································	
90		····			
50					1011 10111 101
100				· · · · · · · · · · · · · · · · · · ·	
<i>w</i>				· · · · · · · · · · · · · · · · · · ·	
2		Ş		a fame same a state the second	

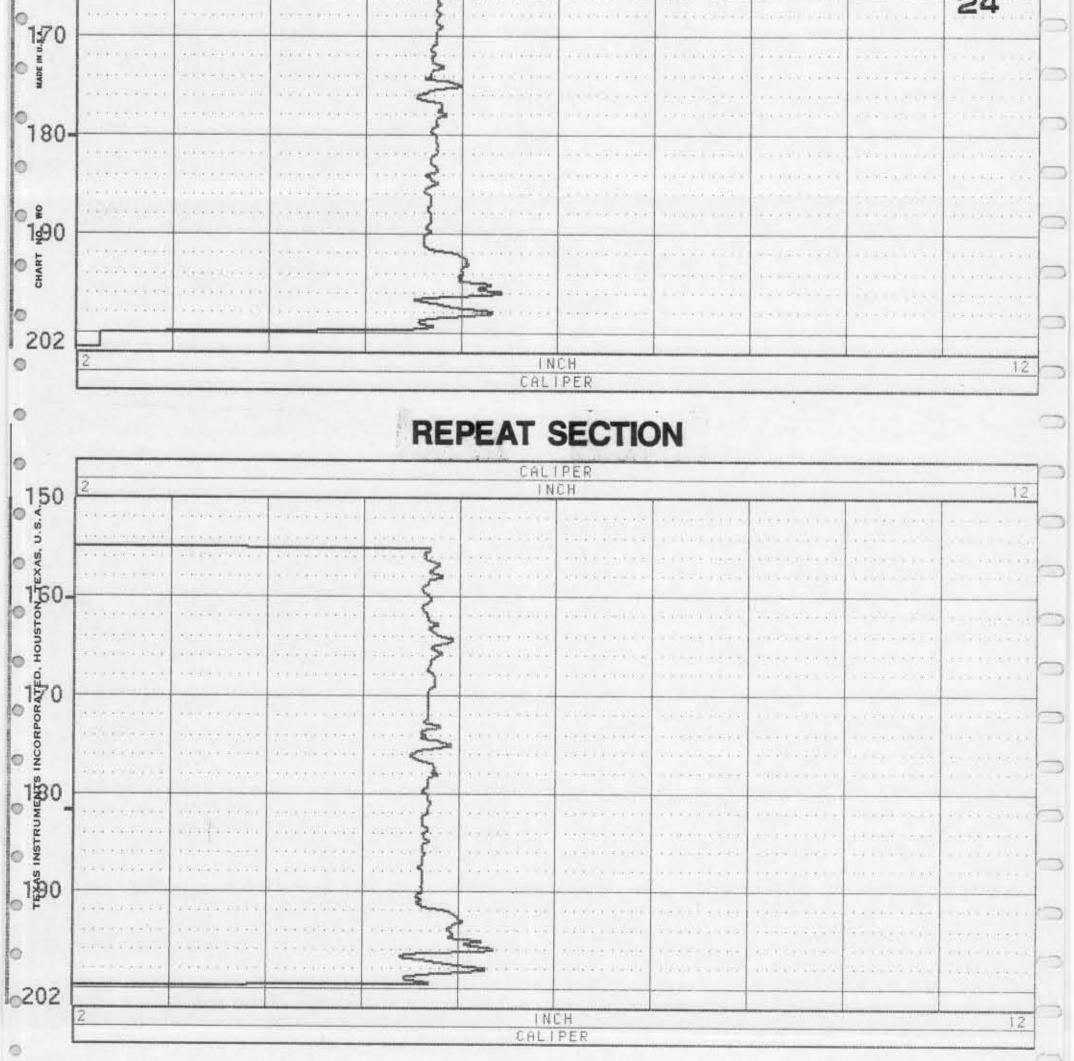


System 3W

System 8W

LOCATION/FIELD : SYSTEM BW/JOG & TURNPIKE COUNTY : PALM BEACH STATE : FL SECTION : TOWNSHIP : RANGE : DATE : 05/21/96 PERMANENT DATUM : GL ELEVATIONS DEPTH DRILLER : 200 ELEV. PERM. DATUM : N/A KB : N/A LOG BOTTOM : 201.90 LOG MEAURED FROM: N/A GL : N/A LOG TOP : 10.60 DRL MEASURED FROM: N/A GL : N/A CASING DRILLER : 20 LOGGING UNIT : 1 CASING TYPE : PVC FIELD OFFICE : DFB CASING THICKNESS: RECORDED BY : M. SCHILLING BIT SIZE : 5.875 BOREHOLE FLUID : MUD FILE : ORIGINAL MAGNETIC DECL. : RM TEMPERATURE : LOG : 1 FLUID DENSITY : RM TEMPERATURE : LOG : 1 FLUID DENSITY : MATRIX DELTA T : PLOT : MARK 2 NEUTRON MATRIX : FLUID DELTA T : THRESH: 10000 REMARKS : OBSERVER: RANDY SKINNER - MONTGOMERY HATSON LOGGED UNDER STATIC CONDITIONS ON PILOT HOLE ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS CALIPER 2 CALIPER 2 CALIPER 2 CALIPER	CH?M	HILL					CALIF	PER	1
SECTION : TOWNSHIP : RANCE : DATE : 05/21/96 PERMANENT DATUM :: GL ELEUATIONS DATE : : 200 ELEU. PERM. DATUM :: N/A KB :: N/A LOG TOP : 208 DC MEASURED FROM:: GL DF : N/A LOG TOP : 208.00 DC MEASURED FROM: M/A GL :: N/A CASING DRILLER : 20 LOGGING UNIT : 1 CASING THICKNESS: : FIELD OFFICE : DFB CASING THICKNESS: : RECORDED BY :: M. SCHILLING BIT SIZE : 5.875 BOREHOLE FLUID :: MUD FILE : ORIGINAL MACMETIC DECL. :: RM :: TYPE :: CCALI MATRIX DENSITY : :: RM TEMPERATURE : LOG : 1 FLUID DENSITY :: :: FLUID DELTA T :: THRESH: 10000 REMARKS : :: ::: SECONCES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS OBSERVER: RANDY SKINNER - MONTGOMERY HAISON ::: SECONCES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS LOGGED UNDER STATIC CONDITIONS ON FILOT HOLE :::: SECONCES PROVIDED SUBJECT TO STANDARD TERMS AND CONDI	WELL LOCATION/FIELD COUNTY	: SYS8W WEL : SYSTEM 8W : PALM BEAC	DRILLING L 13 /JOG & TU	SERV, IN	C. OTH GAM LSN	ER SERVIC MA,SP ELEC	ES:		
DEPTH DRILLER : 200 ELEU, FERM, DATUM, VA KE : N/A LOG BOTTOM : 201.90 LOG MEASURED FROM: GL DF : N/A LOG TOP : 10.60 DRL MEASURED FROM: N/A GL : N/A CASING DRILLER : 20 LOGGING UNIT : 1 CASING DRILLER : 20 LOGGING UNIT : 1 CASING TYPE : PUC FIELD OFFICE : DFB CASING THICKNESS: RECORDED BY : M. SCHILLING BIT SIZE : 5.075 BOREHOLE FLUID : MUD FILE : ORIGINAL MAGRETIC DECL : RM : TYPE : CCALL MAGRETIC DECL : RM INTEMPERATURE : LOG : 1 FLUID DENSITY : MATRIX DELTA T : PLOT : MARK 2 NEUTRON MATRIX : FLUID DELTA T : THRESH: 10000 REMARKS : OBSERVER: RANDY SKINNER - MONTGOMERY HATSON LOGGED UNDER STATIC CONDITIONS ON PILOT HOLE ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS CALIPER INCH INCH INCH INCH INCH INCH INCH INCH	Contract Contract of the second second second second second second second second second second second second se	; FL ;	TOWN	SHIP	:		RANGE :		
	LOG BOTTOM LOG TOP CASING DRILLER CASING TYPE CASING THICKNES BIT SIZE MAGNETIC DECL. MATRIX DENSITY FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RANN LOGGED UNDER S	: 200 : 201.90 : 10.60 : 20 : PUC :: : : : : : : : : : : : : : : : : :	ELEU LOG DRL LOGG FIEL RECO BORE RM RM T MATR FLUI	. PERM. D MEASURED MEASURED ING UNIT D OFFICE RDED BY HOLE FLUI EMPERATUR IX DELTA D DELTA V WATSON LOT HOLE	ATUM: N/A FROM: GL FROM: N/A : 1 : DFB : M. D : MUD : T : T : T :	SCHILLING	KB DF GL FILE TYPE LOG PLOT THRESH	NZA NZA NZA ORIGINAL CCAL1 1 MARK 2 10000	
				the second second second second second second second second second second second second second second second se	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	<u></u>		1000	and the second
	1.45(4)(C) + (+(+)) + (+(+))	ra casal ana si si ala a					aarenn an		1
					The representation				
	2 		(= + (= +) }						e central
		n a dita di serie da serie di serie di serie di serie di serie di serie di serie di serie di serie di serie di	t to be an every many descent to the	-	ale trene trad		********		
	-		1 1 - 1 - 1 1 - 1 - 1 - 1 - 1 - 1		2			1345 I P RS I 1	er en re

						the second	Street and and and and and and and and and and		and the second	23
	5 - 0 A - 0 Mai		- comest of decision			đ.			294453	
			CALIFORNIA BOARDA			A	and a street	Contraction of the local division of the loc		
							70300			
					and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec					
	-			C		Lass mannes	TYPEST NAME	2.1 1.201.1 1.111		a come se
					- Set					
	-	1.664 POL 400 PD	Second Press	2	Les and an and	and the second	Income the second	en se ar re-	sectors of	DIS BUND ST
		And services			Langer	0.0.7.1.0.7.1.1.1		1	programme n	para manera ana
		a contraction of the	Danas Serve			105 (1) >> (() ()	1. 42.8 mile	advance a	and some	The Links of
		and see that			unamer an de	Anna anna anna	1.599 2.222 2.2	10. 12/25. 2900	214 5 27200214	A. 101. 344 - 198
				- 35-	- Septim		1150 011-			
			TRACKER BILLY	3	ANTE STATE		torene or set	and these sizes	1.00 18- 6	ere they to
	. Junn Reis	(ostalassi in	ANDRA STRAT	an anti-	1000000000	12.511.111.111.1111	PERSONAL C	List Alter in which	Libra Datas in	1012 - 1012 - 1012
	1 690103 1080103	and sent as	THE REAL PROPERTY.	5	- Ave Seens	are served toxies	species in terms with	111111.578	1.0.1.1000.1.10	the trans the
	s server a servera	gana a aparateri	1401411 00100	e		Last Catalog (1994)	The Property	the sheet takes	1996 6 1991	
				5						
				3	1 1000 1000 100	125 25 25 25 25 2	The second second second second second second second second second second second second second second second se	CONTRACTOR AND A	and a subscription of	SALIST AND
	1001 (1004)	N			1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	the same same	1000-000-000-00	an occorrect		
			1		20			1	and and a second second	
									anni caan o	
				3						
	anana ananan	TARK NO. WIN	COMPLE OFFICE	James L.	FOR PURC	145 1 - 454 144		the same same	CONCESSION.	A REAL OFFICE
				2						T THEY LAS
		1		1						
		Beauty name room								
	10100-0-0000			1º						1
			and a long to the second second second second second second second second second second second second second se	3						
				All Long	5					
	ALAN STREET	Anna and an and an and		1					a section a matrice in-	the render nume
				2		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec			1	
	aliant to the state	Acres Mails Actor	Control Part 1	2.5.100.5.5.5.000	-	- angente	TAIL OF STOLES			
	401100 A 4040403									
						1	Contraction and the second second	free to the terms of		
					and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s				and an and a second	
	1977-1885 T - 1885 T	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	- 535# 1 (R.2.2 1)	5			THURS SERVER S	et not serve		
				here	200					
	CASEGOAL BOACE I	Distances in seco	Enter and the second	1	and several	1211123495.855				
	20123-20203	10212 A. 2020 - 10212	10000 1000 1	127 14000 1222		Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec.				
	47(4)(#) 1 46(4)(#) 1			10.000000000000000000000000000000000000	-	and a second second				
	Martin She -	The Color of State	Concernant C		-			the state of the state of the		the second second
		-								
		and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec		C	-			and the second second		
	1969-003 - 491/14/1			an case Les		1211-121211-1214				
		and the second second		a new ender start						
	a ana sina si si si si si si si si si si si si si	there contains a setai	Part & Date 1		A second second	the states	assister administra	··· · · · · · · · · · · · · · · · · ·	X11 0.1 0.024 1.02	a chica e S
				5						
	- 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		And the second	3	State State	sta tataanaar	market setsect a	20000 1020	Stat Statistics	10.0003.000
	9.9.9.9	1973-1984-1984 1973-1984	ALACADA PLANA A	5	Pares cares r	an con con	ANNU SMU R	Cardana Parint	V4S/V=u= 24	STATES ST
	20.227 20.257	1.001.0000.000	NUME PART 1	5	101001 101771	Bast STATE MAN	201013 201033 11	in boat Think	1007102310	13 10516 1 1987
	CREATE A CREATE	1.4.54 . 4.54, 4.5	1040404 37459 3 3		and states a	Sel Francis	-100 -000 -0	Street Avenue	1993年1月1日日本	1. 686132,3310
				- Star						
	9/4/5112/32/4-1	oor itsista ensu	- 101 1 / 101 1 1 - F		anala a statute a	Para papaka prate	2012 1-07/11		LO CLOSE (S)	d Anon son
	2022 (100x)	(-1, -1, -1, -1, -1, -1, -1, -1, -1, -1,			4000 0 x 34.014 x	14.404.00023.0004	1.4(4)1.1(4)4)1 is	14 _ 424 A 4 4 4 4	1010213-0016-110	
	earente erent e	the second		ag can from	navels interes	for the state	VIDEA SHALL S		Alex CARLER A	
	638345±640)×(0) = #	1	1.10.40.00 (CEDE+ 6		ATTENDED AND A	1.11 (. 1 (which there is	5 R 1 8-44	498 101 1 1 - 1 4	Statistic //m
$\frac{1}{2}$				5						
	10400 400 at a		anona totala a	5	1444.0000.0	No participant	main treast to	22.20	and a state of	
and and an and a second the second second and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s				100					and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	Per investor a sec
	anan na m			And and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		1				04
					and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s					24





CH2MHILL

ADE IN U.

CHART NO. WO

SYS 8W WELL 13

ELL	SYS BH HE	JOG & TURNPIKE	OTHER SERVICES	S :	
TATE	: FLORIDA		he de services de la companya de la companya de la companya de la companya de la companya de la companya de la		
ECTION	;	TOWNSHIP :	:	RANGE	*
ATE	: 11/13/96	PERMANENT DATUM :	GL I	ELEVATI	ONS
EPTH DRILLER	: 148	ELEV. PERM. DATUM:	: N/A	KB	: N/A
OG BOTTOM	: 148.10	LOG MEASURED FROM:	GL	DF	: N/A
OG TOP	: 73.20	DRL MEASURED FROM:	: GL	GL	: N/A
ASING DRILLER	: 95	LOGGING UNIT :	: 1		
ASING TYPE	: PUC	FIELD OFFICE :	; DFB		
ASING THICKNESS	: .5	RECORDED BY :	: M. SCHILLING		
IT SIZE	: 22.25	BOREHOLE FLUID :	: MUD	FILE	: ORIGINAL
AGNETIC DECL.	:	RM		TYPE	: 9065A2
ATRIX DENSITY	2	RM TEMPERATURE :		LOG	: 4
LUID DENSITY	:	MATRIX DELTA T :		PLOT	: MARK 2
		FLUID DELTA T :		THRESH	:
EMARKS OBSERVER: CHRIS LOGGED UNDER ST	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA		ONDITION	45
EMARKS OBSERVER: CHRIS LOGGED UNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA CALIPER		ONDITION	45
LOGGED UNDER ST	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE VIDED SUBJECT TO STANDA		DITION	4S
EMARKS OBSERVER: CHRIS LOGGED UNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA CALIPER INCH	ARD TERMS AND CO		1
EMARKS OBSERVER: CHRIS LOGGED UNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA CALIPER INCH	ARD TERMS AND CO		1
EMARKS OBSERVER: CHRIS LOGGED UNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA CALIPER INCH	ARD TERMS AND CO		
EMARKS OBSERVER: CHRIS LOGGED UNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA CALIPER INCH	ARD TERMS AND CO		
EMARKS OBSERVER: CHRIS LOGGED HNDER ST ALL S 15	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA CALIPER INCH	ARD TERMS AND CO		
EMARKS OBSERVER: CHRIS LOGGED HNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA CALIPER INCH	ARD TERMS AND CO		
EMARKS OBSERVER: CHRIS LOGGED HNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA CALIPER INCH	ARD TERMS AND CO		$\frac{1}{2} \begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 2 & 1 & 1 & 1 & 1 \\ 2 & 2 & 2 & 2 & 2 & 1 \\ 2 & 2 & 2 & 2 & 2 & 2 \\ 2 & 2 & 2 & 2$
EMARKS OBSERVER: CHRIS LOGGED HNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA	ARD TERMS AND CO		
EMARKS OBSERVER: CHRIS LOGGED HNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA	ARD TERMS AND CO		
EMARKS OBSERVER: CHRIS LOGGED HNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA	ARD TERMS AND CO		
EMARKS OBSERVER: CHRIS LOGGED HNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA CALIPER INCH	ARD TERMS AND CO		
EMARKS OBSERVER: CHRIS LOGGED HNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA	ARD TERMS AND CO		
EMARKS OBSERVER: CHRIS LOGGED HNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING IONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA	ARD TERMS AND CO		
EMARKS OBSERVER: CHRIS LOGGED HNDER ST ALL S	ATIC CONDIT	SOUTHEAST DRILLING LONS ON REAMED BOREHOLE UIDED SUBJECT TO STANDA	ARD TERMS AND CO	2	

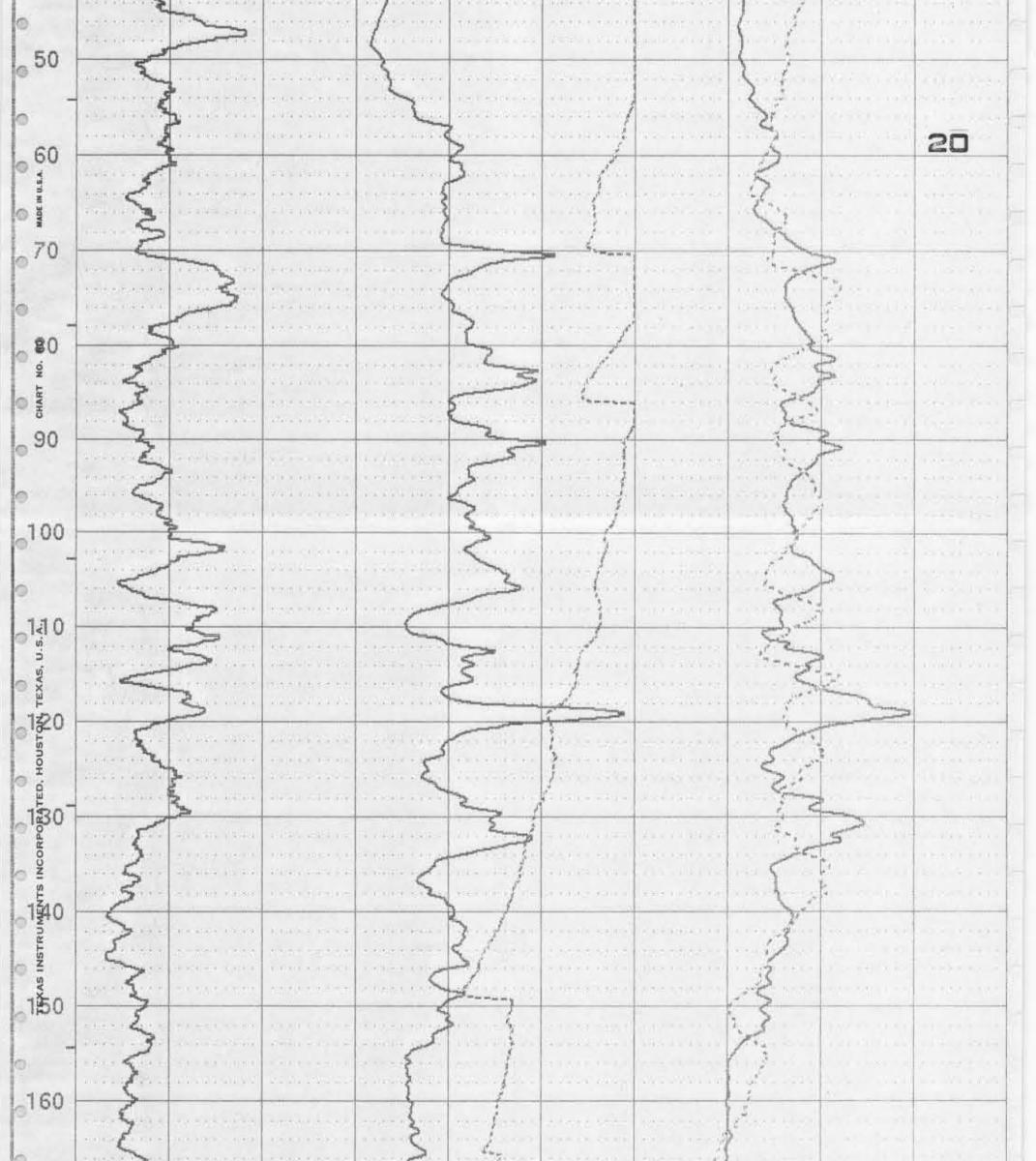
140	15				r in Cal	DED	laan asaan tara daaraa	1740304KU101761KL	herrelars terstate zer en regel	
148			an main		in man and					
140							{			
140	BAU CAURA DAL	2 8422 - 2222	1993) 1993 - 199	NAMES AND I	24 10000 1 24				10.001/10.001	
	1.1.2.45-9.2.40						aa saxaa ayaa)	(
CHART									na ang kanalan na sanah na sana sana sana	the second second
\$ 30								F		
OM .							5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		1	
		e ne ca en ca		- 1 114 - 100 - 2.	and a set of the second	man mana a	and the second		L	income conserved
120		inine di este Si Sisti Inina		ina da da da	NAMES OF A DESCRIPTION			L .	1	anna anna anna anna anna anna anna ann
		a sera const	are erenañ	and the state of	assaina (na			2002202	210010100	
*		A REAL TRACE						1	an da an san san san san san san san san san	
ADE	5=15:53=543	567 5 841	1002020-001	CIERCIA DE DE	33 10 11 5 R.	No. 4991 1993 1993	the state states		31.572.1651	manter success and



GAMMA, SP LSN ELECTRIC SINGLE POINT ELECTRIC 19

SYS8W WELL 13

COM	PANY	1	SOUTHEAST	DRILLING	SERV, INC.	OTH	ER SERVICE	S:			
WEL	LL	4	SYS8W WELL	L 13		CAL	IPER				
LOC	CATION/FIELD	6 3	SYSTEM 844	JOG & TUI	RNPIKE						
COL	YTM	4	PALM BEACH	H		1.000					
STA	ATE	1	FL			-					
SEC	CTION	3		TOWN	SHIP	:		RANGE	:		
DAT	ΓE	:	05/21/96	PERM	ANENT DATUM	: GL		ELEVAT	IONS	¥.	
DEF	PTH DRILLER	4	200	ELEU	. PERM. DAT	UM: NZA		KB	2.18	NZA	
LOG	G BOTTOM	1	202.00	LOG I	MEASURED FR	OM: GL		DF	: 1	NZA	
LOG	G TOP		11.00	DRL I	MEASURED FR	OM: N/A		GL	1.1	NZA	
CAS	SING DRILLER		20	TACC	ING UNIT	: 1					
	SING TYPE		PUC		D OFFICE	: DFB					
	SING THICKNE		1.00		RDED BY		SCHILLING				
uno	STING THICKNE	33.		ALCO!	RDED DI	. 194	SCHEDLING				
BIT	SIZE		5 875	BORF	HOLE FLUID	: MUD		FILE		ORIGINAL	
	GNETIC DECL.		0.010	RM	IVAL FADID	- mut		TYPE		90416	
	TRIX DENSITY				EMPERATURE			LOG	1		
1000	IID DENSITY	1			IX DELTA T			PLOT	100	MARK 27	
	ITRON MATRIX				D DELTA T			THRESI			
THEL	TIRON MHIRIX			X 3.453 A 3	67 AF \$144 K F1 L						
REM	MARKS BSERVER: RAN DGGED UNDER	: DY S Stai	IC CONDITI	NONTGOMERY	WATSON	NDARD TI	ERMS AND C	ONDITIC	INS		
REM	MARKS BSERVER: RAN DGGED UNDER	: DY S Stai	IC CONDITI	NONTGOMERY	WATSON LOT HOLE JECT TO STAI	NDARD TI	ERMS AND C	a transferant terreter		111.)	
REM	MARKS BSERVER: RAN DGGED UNDER	: DY S Stai	IC CONDITI	NONTGOMERY	WATSON LOT HOLE JECT TO STAI		ERMS AND C	RE	s (6 <	the same and that the same of	21
REM	MARKS BSERVER: RAN DGGED UNDER	: DY S STAT	TIC CONDITI	NONTGOMERY	WATSON LOT HOLE JECT TO STAI	NDARD TI 125	ERMS AND C	RE	s (6 4)Ĥ11-	M	2
REM	MARKS BSERVER: RAN DGGED UNDER ALL GAM(: DY S STAT	TIC CONDITI	NONTGOMERY	WATSON LOT HOLE JECT TO STAI RES OHM		ERMS AND C	RE C RE	s (6 <	M SN 2	
REM OE LO	MARKS BSERVER: RAN DGGED UNDER ALL GAM(: DY S STAT SEI	TIC CONDITI	ONT GOMERY	WATSON LOT HOLE JECT TO STAL RES OHM SP MU	125 -45	ō	RE C RE	S < 6 <)ĤM S < 16)HM−	M SN 2	2)
REM OF LO	MARKS BSERVER: RAN OGGED UNDER ALL GAM(API	: DY S STAT SEI	TIC CONDITI RUICES PROP 150	TONT GOMERY IONS ON PI VIDED SUB.	WATSON LOT HOLE JECT TO STAN RES OHM SP MU	125 -45	ō	RE RE	S (6 4)मि M S < 16)HM-	M 5N) M	2
REM OE LO	MARKS BSERVER: RAN OGGED UNDER ALL GAM(API	: DY S STAT SEI	TIC CONDITI	ONT GOMERY ONS ON PI VIDED SUB	WATSON LOT HOLE JECT TO STAI RES OHM SP MU	125 -45	0	RE RE	S (6 «)HM S (16)HM	M 5N) M	2
	MARKS BSERVER: RAN OGGED UNDER ALL GAM(API	: DY S STAT SEI	TIC CONDITI RUICES PROP 150	ONT GOMERY IONS ON PI UIDED SUB	WATSON LOT HOLE JECT TO STAI RES OHM SP MU	125 -45		RE RE	S (6 ¢)∏ S (16)HM-	M 5N) M	2
REM OE LO	MARKS BSERVER: RAN DGGED UNDER ALL GAMC API	: DY S STAT SEI	TIC CONDITI RUICES PROP 150	ONT GOMERY IONS ON PI UIDED SUB	WATSON LOT HOLE JECT TO STAI RES OHM SP MU	125 -45		RE RE C	S (6 ¢)∏ S (16)HM-	M SN > M	2
	MARKS BSERVER: RAN DGGED UNDER ALL GAMC API	: DY S STAT SEI	TIC CONDITION RUICES PROP 150	ONT GOMERY IONS ON PI UIDED SUB	WATSON LOT HOLE JECT TO STAI RES OHM SP MU	125 -45		RE RE C	S (6 4)HM S (1 6)HM-	M SN > M	2
REM OF LO	MARKS BSERVER: RAN DGGED UNDER ALL GAM(API	: DY S STAT SEI	TIC CONDITION RUICES PROP 150	ONT GOMERY IONS ON PI UIDED SUB	V WATSON LOT HOLE JECT TO STAI RES OHM SP MU	125		RE RE	S < 6 < 0HM S < 16	M SN) M	2
REM OF LO	MARKS BSERVER: RAN OGGED UNDER ALL GAM(API	: DY S STAT SEI	TIC CONDITI	TONT GOMERY ONS ON PI VIDED SUB	HATSON LOT HOLE JECT TO STAI RES OHM SP MU	125		RE RE	S < 6 <)HM= S < 1.6)HM=	M SN) M	2
REM OF LO	MARKS BSERVER: RAN DGGED UNDER ALL	: DY S STAT SEI	TIC CONDITION RUICES PROV 150	TONT GOMERY	HATSON LOT HOLE JECT TO STAI RES OHM SP MU	125		RE RE	S < 6 < 0HM S < 16 0HM	M SN) M	2
REM OF LO	ARKS BSERVER: RAN ALL GAM(API	: DY S STAT SEI	TIC CONDITION RUICES PROV 150	TONT GOMERY	HATSON LOT HOLE JECT TO STAI RES OHM SP MU	125		RE RE	S < 6 < 0HM S < 16 0HM	M SA) M	21
	ARKS BSERVER: RAN ALL GAM(API	: DY S STAT SEI	TIC CONDITION RUICES PROV 150	TONT GOMERY	HATSON LOT HOLE JECT TO STAI RES OHM SP MU	125		RE RE	S < 6 < 0HM S < 16 0HM	M SA) M	21
OELO	ARKS BSERVER: RAN DGGED UNDER ALL	: DY S STAT SEI	TIC CONDITION RUICES PROV 150	TONT GOMERY	HATSON LOT HOLE JECT TO STAI RES OHM SP MU	125		RE	S < 6 < 0HM S < 16	M SN) M	21
OELO	ARKS BSERVER: RAN DGGED UNDER ALL	: DY S STAT	IC CONDITI	TONT GOMERY ONS ON PI VIDED SUB	HATSON LOT HOLE JECT TO STAI	125		RE	S < 6 < 0HM S < 16	M SN) M	21
REM OF LO	ARKS BSERVER: RAN DGGED UNDER ALL	: DY S STAT SEI	TIC CONDITION RUICES PROV 150	TONT GOMERY	HATSON LOT HOLE JECT TO STAI RES OHM SP MU	125		RE	S < 6 < 0HM S < 16	M SN) M	20
REM OF LO	ARKS BSERVER: RAN ALL GAM(API	: DY S STAT SEI	TIC CONDITION RUICES PROV 150	TONT GOMERY	HATSON LOT HOLE JECT TO STAI RES OHM SP MU	125		RE	S < 6 < 0HM S < 16	M SN) M	21
	ARKS BSERVER: RAN ALL GAM(API	: DY S STAT SEI	TIC CONDITION RUICES PROV 150	TONT GOMERY	HATSON LOT HOLE JECT TO STAI RES OHM SP MU	125		RE	S < 6 <	M SN) M	2



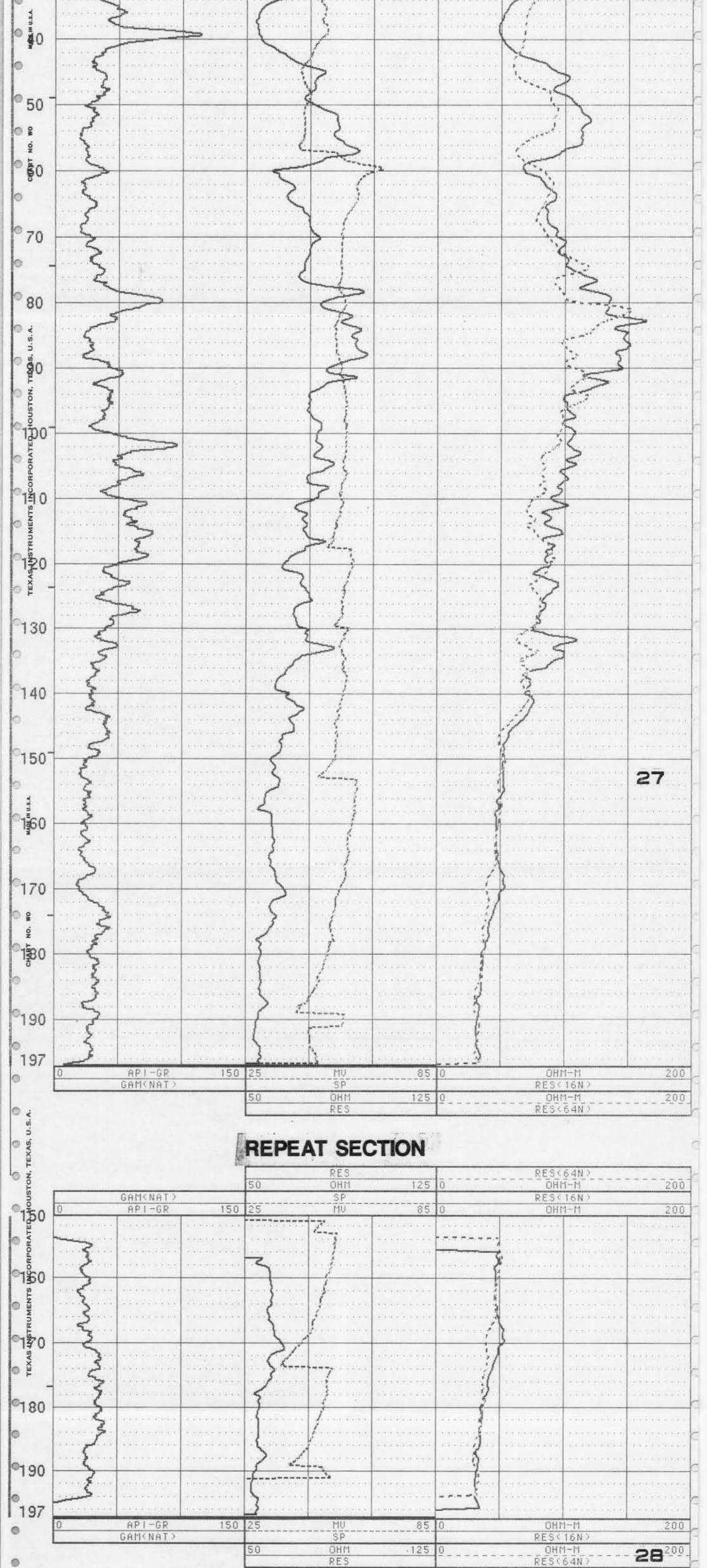
on on	0	API-GR	100		the same list is a second of the second second second second second second second second second second second s				
	and the second		150	-105	MU	-45	10	DHM-M	201
200	Constantine e	-		5	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	I LATATA I ATA A	Č		
)		The second second second second second second second second second second second second second second second se	SINT SERVICE	1.5	man serent ve	🕻 nara taru	· · · · · ·	a and say barrely	1-201-200
1.000	a second a	and the second	and the second second	11		1	1 1		
190	- 3			3	Rentances		1 K		
NAD				S	Sanny		1	a land a start of the start of	1
N N N	1			3	1		2		
2.A.	5				and the second				10000000
180-		- I BELLINE		1	4		- li		21
	3			6	1		11		
				6	En.		/		a vi si vi a
110	3	tea lena villant	Case I and some	1	a france	a sala ha a k		a service of the service of the	Can Lon
0170	3	in her timer	States a new constraints	3	1		- (4	1

REPEAT SECTION

					RES	- Bat dailord from	1	RES		بر بر المراجع الم البر بر الما الما الم
6.2.4		GAM(NAT)		50	OHM SP	125	10	RES	1-M 12NV	200
150	0	AP1-GR	150	-105	MU		0		1947 1941	200
150	Second report of			of these inerties			T + 4 1 + + + + + +			
1000		34. C. 4. C. 4. S.	100/111-201031623	a fana húmi	1. Jammeran	1.2.2020.2020.5		+	1001 S -11 S	A
<		ter sin i renated			free and		And and the	-1-1	and the second	0.00000
S-02	3	ella della entre e	191111 1022111	3	A CONTRACTOR	a contration	Permission -	1	1.000	in here sugar
TEXAS INGURUMENTS INCORPORATED, HOUSTON, TEXASJU.S.A.		The loss of the loss		1/	f			f.		
TEX		ALC REPORT AND A	Phia Prilita	39		A BACK FORM	V.S. Long	3		
, zo			Sere seres	>				1	1.1	
1ST	J	na estera state	14645914 2144454 22	and Carrie	safe mare	5 1998 C.V.	The second 1	1	and the second	N. CARLON IS
20	~ ~			3	1					
ģ	2	NALE PROPERTY AND ADDRESS	1963 1 191 1 1 1	3	3	The state states	and the second)	100000000	internet box
5	<	CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFTA CONTRACTOR OFT		5	5		1	fer la san e senta	Personal services	
IOd			the second	. 5	. James	Same and	6.		1215	
80	5			5			1:			
z -	and from a	$(0,\infty,0,0,0,0,0,0,0,0)$	100	Same	· · · · · · · · ·	(*). Alto (*) ±113	Sec. Yes	1	100-10-00	14 . MR. 1 . 1
z	2	111,146,5,7,5,2,07		2	and for the second	57 M 53 M 88	3	10 / 1 / 8 / 98 St	1.25	o the total
MO	2			5	3		2			
δη l	2			5	1	AA 5444 5488				
Ž	2	tet title a table		7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ye concerned	the second second			-
ex.	2	Ben an early 144	101 and 170 and 1	Same	2000 1 1000 10	5	- and a special	a serie and	Ville and the	1
-	ana an ta		53962 V.5352 H	5		*********	1 1	5 - 1 - 1 × 1 1	1	1
	Official and a state of the		estante a substante e	5	and the second second second second		= -= ==]			
02		And in the Party of the last	and the second second second second second second second second second second second second second second second	7		and the second				
	0	API-GR GAM(NAT)	150	-105	MU SP	-45	0	OHI RES (1-11 16N \	200
		VIII VIII /		50	OHM	125	0		1-M	200
					RES	1		RES	take I state to be a state of the state of the state of the	

0

AND AND AND AND AND AND AND AND AND AND	AND CARDIN		GAN	MMA, SP
			LSN	ELECTRIC
		S	INGLE P	OINT ELECTRIC
CH:M			•	
		SYS8W WELL	14	
		DRILLING SERV, INC.	OTHER SERVI	CES:
WELL	: SYS8W WELL	L 14 /JOG & TURNPIKE	CALIPER	
COUNTY	: PALM BEACH		1	
STATE	: FL			
SECTION	1	TOWNSHIP :		RANGE :
				1
DATE DEPTH DRILLER	: 05/20/96			ELEVATIONS KB : N/A
LOG BOTTOM		LOG MEASURED FROM:		KB : N/A DF : N/A
LOG TOP	: 0.70	DRL MEASURED FROM:		GL : N/A
CASING DRILLER CASING TYPE		LOGGING UNIT : FIELD OFFICE :	1 DEB	
CASING THICKNE			M. SCHILLIN	IG
BIT SIZE	: 5.875	BOREHOLE FLUID :	MUD	FILE : ORIGINAL
MAGNETIC DECL.		RM :		TYPE : 9041A
MATRIX DENSITY		RM TEMPERATURE :		LOG : 8
FLUID DENSITY		MATRIX DELTA T :		PLOT : MARK 27
FLUID DENSITY NEUTRON MATRIX		MATRIX DELTA T : FLUID DELTA T :		PLOT : MARK 27 THRESH: 10000
FLUID DENSITY NEUTRON MATRIX REMARKS	4	FLUID DELTA T :		
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN	: IDY SKINNER - M			
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER	: IDY SKINNER - M STATIC CONDITI	FLUID DELTA T : NONTGOMERY WATSON	RD TERMS AND	THRESH: 10000
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER	: IDY SKINNER - M STATIC CONDITI	FLUID DELTA T : MONTGOMERY WATSON LONS ON PILOT HOLE VIDED SUBJECT TO STANDA	RD TERMS AND	THRESH: 10000 CONDITIONS
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - M STATIC CONDITI SERVICES PROU	FLUID DELTA T : NONTGOMERY WATSON LONS ON PILOT HOLE	RD TERMS AND	THRESH: 10000
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: NAT) STATIC CONDITI SERVICES PROU	FLUID DELTA T : MONTGOMERY WATSON TONS ON PILOT HOLE VIDED SUBJECT TO STANDA RES 50 OHM SP	125 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N)
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - M STATIC CONDITI SERVICES PROU NAT: -GR 150	FLUID DELTA T : MONTGOMERY WATSON LONS ON PILOT HOLE VIDED SUBJECT TO STANDA RES 50 OHM SP 25 MU	125 0 85 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N) OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: NAT) STATIC CONDITI SERVICES PROU	FLUID DELTA T : MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STANDA RES 50 DHM SP 25 MU	125 0 85 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N) OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - M STATIC CONDITI SERVICES PROU NAT: -GR 150	FLUID DELTA T : NONTGOMERY WATSON LONS ON PILOT HOLE VIDED SUBJECT TO STANDA RES 50 OHM SP 25 MU	125 0 85 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N) OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - M STATIC CONDITI SERVICES PROU NAT: -GR 150	FLUID DELTA T : MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STANDA RES 50 DHM SP 25 MU	125 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N) OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - M STATIC CONDITI SERVICES PROU NAT) I-GR 150	FLUID DELTA T : MONTGOMERY WATSON IONS ON PILOT HOLE UIDED SUBJECT TO STANDA RES 50 DHM SP 25 MU	125 0 85 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N) OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - M STATIC CONDITI SERVICES PROU NAT) I-GR 150	FLUID DELTA T : MONTGOMERY WATSON IONS ON PILOT HOLE UIDED SUBJECT TO STANDA RES 50 DHM SP 25 MU	125 0 85 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N) OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - M STATIC CONDITI SERVICES PROU NAT) I-GR 150	FLUID DELTA T : MONTGOMERY WATSON IONS ON PILOT HOLE UIDED SUBJECT TO STANDA RES 50 DHM SP 25 MU 	125 0 85 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M OHM-M OHM-M Normalization OHM-M Normalization
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - M STATIC CONDITI SERVICES PROU NAT) I-GR 150	FLUID DELTA T : MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STANDA RES 50 OHM SP 25 MU	125 0 85 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M OHM-M OHM-M OHM-M OHM-M OHM-M OHM-M OHM-M OHM-M OHM-M OHM-M OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - M STATIC CONDITI SERVICES PROU NAT) I-GR 150	FLUID DELTA T : MONTGOMERY WATSON IONS ON PILOT HOLE VIDED SUBJECT TO STANDA RES 50 OHM SP 25 MU	125 0 85 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M OHM-M OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - M STATIC CONDITI SERVICES PROU NAT) I-GR 150	FLUID DELTA T :	125 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N) OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - P STATIC CONDITI SERVICES PROU 	FLUID DELTA T :	125 0 85 0	THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N) OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - P STATIC CONDITI SERVICES PROU (NAT) I-GR 150	FLUID DELTA T :		THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N) OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	: IDY SKINNER - P STATIC CONDITI SERVICES PROU 	FLUID DELTA T :		THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N) OHM-M
FLUID DENSITY NEUTRON MATRIX REMARKS OBSERVER: RAN LOGGED UNDER ALL	IDV SKINNER - P STATIC CONDITI SERVICES PROV NAT> I-GR 150	FLUID DELTA T :		THRESH: 10000 CONDITIONS RES(64N) OHM-M RES(16N) OHM-M







WO

CHART NO. 1

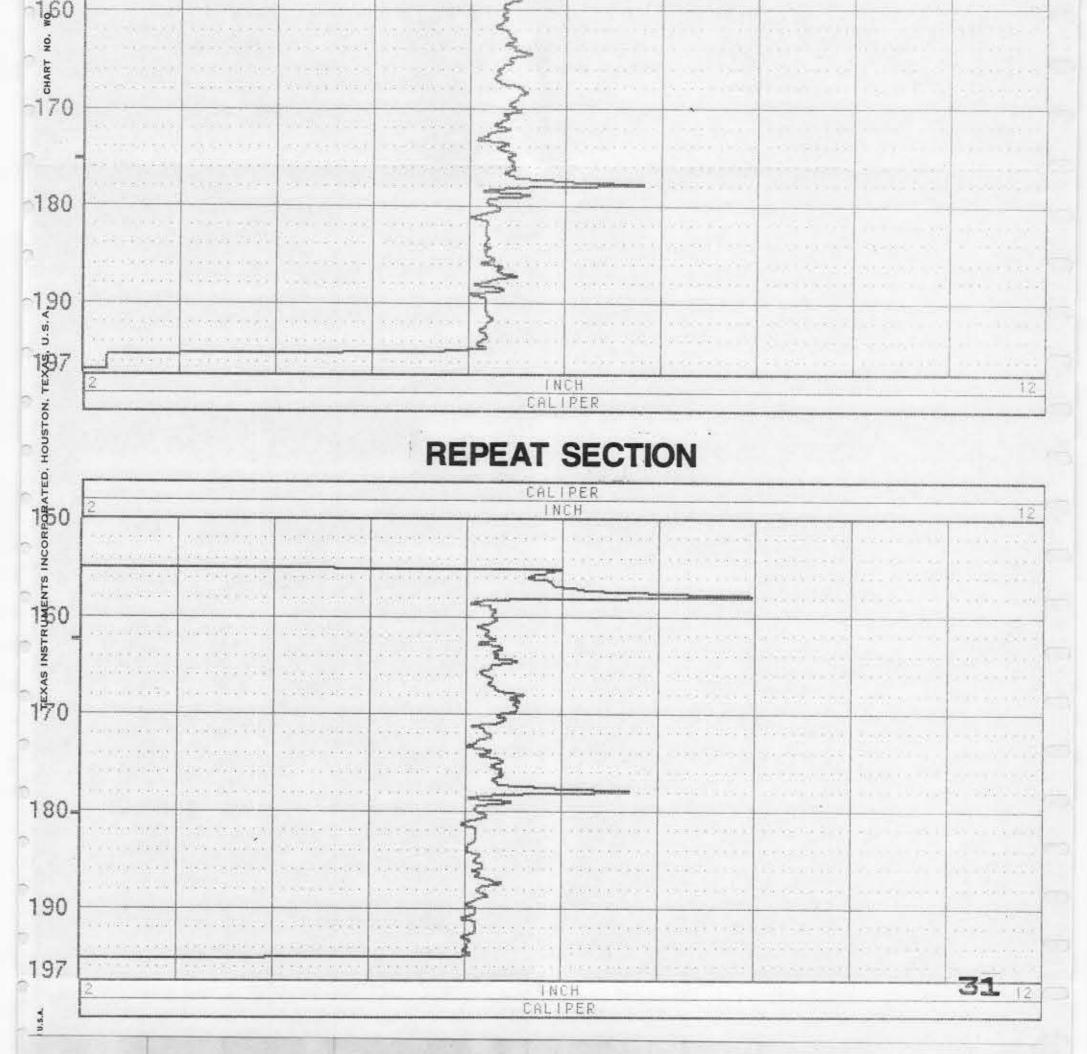
17

SYS8W WELL 14

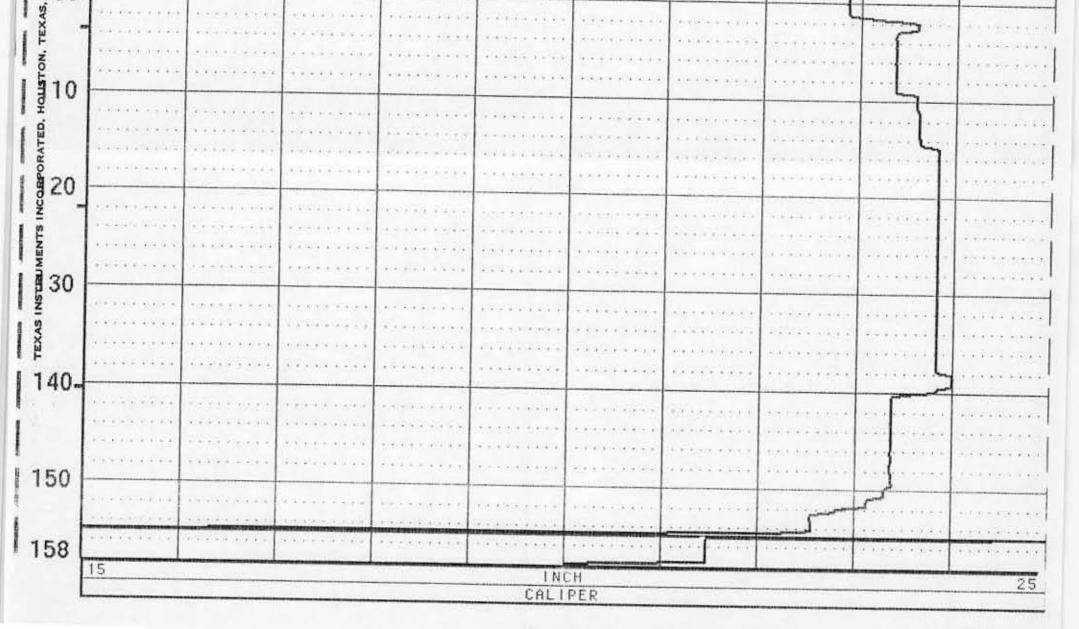
CALIPER

OCATION/FIELD : : COUNTY : : TATE : ECTION : DATE : DEPTH DRILLER : COG BOTTOM : LOG BOTTOM : LOG TOP : CASING DRILLER : CASING TYPE : CASING TYPE : CASING THICKNESS : BIT SIZE : MAGNETIC DECL. : MATRIX DENSITY : FLUID DENSITY : FLUID DENSITY : FLUID DENSITY : FLUID DENSITY : MATRIX : CASERVER: RANDY S LOGGED UNDER STAT	PALM BEACH FL 05/20/96 200 197.30 0.10 16.5 PVC 5.875 SKINNER - MONT IC CONDITIONS	& TURNPIKE TOWNSHIP PERMANENT DATUM ELEV. PERM. DATUM LOG MEASURED FROM DRL MEASURED FROM DRL MEASURED FROM LOGGING UNIT FIELD OFFICE RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T	: N/A : GL : N/A : 1 : DFB : M. SCHILLIN : MUD :	DF : GL : G FILE : TYPE : LOG : :	NS N/A N/A N/A ORIGINAL CCAL1 5 MARK 2
OUNTY : TATE : ECTION : DATE : DEPTH DRILLER : DOG BOTTOM : DOG TOP : CASING DRILLER : CASING DRILLER : CASING TYPE : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING THICKNESS : CASING TH	PALM BEACH FL 05/20/96 200 197.30 0.10 16.5 PVC 5.875 SKINNER - MONT IC CONDITIONS	TOWNSHIP PERMANENT DATUM ELEV. PERM. DATUM LOG MEASURED FROM DRL MEASURED FROM DRL MEASURED FROM LOGGING UNIT FIELD OFFICE RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T	SINGLEPT GL GL N/A SINGLEPT N/A SCHILLIN MUD SCHILLIN	ELEVATIO KB : DF : GL : TYPE : LOG : PLOT :	NS N/A N/A N/A ORIGINAL CCAL1 5 MARK 2
TATE : ECTION : DATE : DEPTH DRILLER : DOG BOTTOM : DOG TOP : CASING DRILLER : CASING DRILLER : CASING TYPE : CASING THICKNESS : DATE : CASING THICKNESS : DATE : CASING THICKNESS : DIT SIZE : CASING THICKNESS : DIT SIZE : CASING THICKNESS : DESERVER : CANDY S LOGGED UNDER STAT	FL 05/20/96 200 197.30 0.10 16.5 PVC 5.875 SKINNER - MONT IC CONDITIONS	PERMANENT DATUM ELEV. PERM. DATUM LOG MEASURED FROM DRL MEASURED FROM LOGGING UNIT FIELD OFFICE RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T	: GL : N/A : GL : N/A : I : DFB : M. SCHILLIN : MUD :	ELEVATIO KB : DF : GL : TYPE : LOG : PLOT :	NS N/A N/A N/A ORIGINAL CCAL1 5 MARK 2
ECTION : DATE : DEPTH DRILLER : DOG BOTTOM : DOG BOTTOM : DOG TOP : CASING DRILLER : CASING DRILLER : CASING TYPE : CASING TYPE : CASING THICKNESS : DATRIX DENSITY : CASING DENSITY : CHUID DENSITY : CHUID DENSITY : CHUID DENSITY : CHUID DENSITY : CHUID DENSITY : CHUID DENSITY : CASING MATRIX : CASERVER: RANDY S LOGGED UNDER STAT	05/20/96 200 197.30 0.10 16.5 PVC 5.875 SKINNER - MONT IC CONDITIONS	PERMANENT DATUM ELEV. PERM. DATUM LOG MEASURED FROM DRL MEASURED FROM LOGGING UNIT FIELD OFFICE RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T	: N/A : GL : N/A : 1 : DFB : M. SCHILLIN : MUD :	ELEVATIO KB : DF : GL : TYPE : LOG : PLOT :	NS N/A N/A N/A ORIGINAL CCAL1 5 MARK 2
ATE : DEPTH DRILLER : DOG BOTTOM : DOG TOP : DOG TOP : DOG TOP : DOG TOP : DOG TOP : DOG TOP : DOG TOP : DOG TOP : DOG TOP : DOG TOP : DOGGED UNDER STAT	200 197.30 0.10 16.5 PVC 5.875 SKINNER - MONT TIC CONDITIONS	PERMANENT DATUM ELEV. PERM. DATUM LOG MEASURED FROM DRL MEASURED FROM LOGGING UNIT FIELD OFFICE RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T	: N/A : GL : N/A : 1 : DFB : M. SCHILLIN : MUD :	ELEVATIO KB : DF : GL : TYPE : LOG : PLOT :	NS N/A N/A N/A ORIGINAL CCAL1 5 MARK 2
EPTH DRILLER : OG BOTTOM : OG TOP : ASING DRILLER : ASING TYPE : ASING THICKNESS: IT SIZE : AGNETIC DECL. : ATRIX DENSITY : LUID DENSITY : EUTRON MATRIX : EMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	200 197.30 0.10 16.5 PVC 5.875 SKINNER - MONT TIC CONDITIONS	ELEV. PERM. DATUM LOG MEASURED FROM DRL MEASURED FROM LOGGING UNIT FIELD OFFICE RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE	: N/A : GL : N/A : 1 : DFB : M. SCHILLIN : MUD :	KB : DF : GL : FILE : TYPE : LOG : PLOT :	N/A N/A N/A ORIGINAL CCALL 5 MARK 2
OG BOTTOM : OG TOP : ASING DRILLER : ASING TYPE : ASING THICKNESS: IT SIZE : AGNETIC DECL. : ATRIX DENSITY : LUID DENSITY : EUTRON MATRIX : EMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	197.30 0.10 16.5 PVC 5.875 SKINNER - MONT TIC CONDITIONS	LOG MEASURED FROM DRL MEASURED FROM LOGGING UNIT FIELD OFFICE RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE	: GL : N/A : 1 : DFB : M. SCHILLIN : MUD :	DF : GL : G FILE : TYPE : LOG : PLOT :	N/A N/A ORIGINAL CCALL 5 MARK 2
OG TOP : ASING DRILLER : ASING TYPE : ASING THICKNESS: IT SIZE : AGNETIC DECL. : ATRIX DENSITY : LUID DENSITY : EHTRON MATRIX : CEMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	0.10 16.5 PVC 5.875 SKINNER - MONT TIC CONDITIONS	DRL MEASURED FROM LOGGING UNIT FIELD OFFICE RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE	: N/A : 1 : DFB : M. SCHILLIN : MUD : :	GL : G FILE : TYPE : LOG : PLOT :	N/A ORIGINAL CCALI 5 MARK 2
ASING DRILLER : ASING TYPE : ASING THICKNESS: ASING THICKNESS: AGNETIC DECL. : ATRIX DENSITY : TUID DENSITY : HEHTRON MATRIX : CEMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	16.5 PVC 5.875 SKINNER - MONT TIC CONDITIONS	LOGGING UNIT FIELD OFFICE RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE	: 1 : DFB : M. SCHILLIN : MUD :	G FILE : TYPE : LOG : : PLOT :	ORIGINAL CCALL 5 MARK 2
ASING TYPE : ASING THICKNESS: IT SIZE : AGNETIC DECL. : ATRIX DENSITY : LUID DENSITY : EHTRON MATRIX : EMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	PUC 5.875 SKINNER - MONT TIC CONDITIONS	FIELD OFFICE RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE	: DFB : M. SCHILLIN : MUD : :	FILE : TYPE : LOG : PLOT :	CCALL 5 MARK 2
ASING TYPE : ASING THICKNESS: IT SIZE : AGNETIC DECL. : ATRIX DENSITY : LUID DENSITY : EHTRON MATRIX : EMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	PUC 5.875 SKINNER - MONT TIC CONDITIONS	FIELD OFFICE RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE	: DFB : M. SCHILLIN : MUD : :	FILE : TYPE : LOG : PLOT :	CCALL 5 MARK 2
ASING THICKNESS: IT SIZE : AGNETIC DECL. : ATRIX DENSITY : LUID DENSITY : EHTRON MATRIX : EMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	5.875 SKINNER - MONT TIC CONDITIONS	RECORDED BY BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE	: M. SCHILLIN : MUD : :	FILE : TYPE : LOG : PLOT :	CCALL 5 MARK 2
IT SIZE : AGNETIC DECL. : ATRIX DENSITY : LUID DENSITY : EHTRON MATRIX : EMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	SKINNER - MONT FIC CONDITIONS	BOREHOLE FLUID RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE	: MUD : :	FILE : TYPE : LOG : PLOT :	CCALL 5 MARK 2
AGNETIC DECL. : ATRIX DENSITY : LUID DENSITY : EHTRON MATRIX : EMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	SKINNER - MONT FIC CONDITIONS	RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE	:	TYPE : LOG : : PLOT :	CCALL 5 MARK 2
AGNETIC DECL. : ATRIX DENSITY : LUID DENSITY : ENTRON MATRIX : EMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	SKINNER - MONT FIC CONDITIONS	RM RM TEMPERATURE MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE		LOG : : PLOT :	5 MARK 2
ATRIX DENSITY : LUID DENSITY : ENTRON MATRIX : EMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	TIC CONDITIONS	RM TEMPERATURE MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE	:	LOG : : PLOT :	5 MARK 2
LUID DENSITY : ENTRON MATRIX : EMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	TIC CONDITIONS	MATRIX DELTA T FLUID DELTA T GOMERY WATSON ON PILOT HOLE		PLOT :	MARK 2
EUTRON MATRIX : EMARKS : OBSERVER: RANDY S LOGGED UNDER STAT	TIC CONDITIONS	FLUID DELTA T GOMERY WATSON ON PILOT HOLE	:		
EMARKS : OBSERVER: RANDY S Logged under stat	TIC CONDITIONS	GOMERY WATSON ON PILOT HOLE			LOUGU
2		CALIPER		1	
and the second second second second		INCH			
NO 24 6000 10 10 1000 1000		o and A of Date Street	a wear of the second	Activities	
A STATE AND A STATE AND A STATE	A TRUE STREET, STREET	The second second second second	a beed in the been o		The second second second
1 (a) (a) exercises (c) (b) (a) (a) (c) (c)	A RECEIPTION OF STREET	$(w, v) = V_{w, 0} \left(\frac{w_{w, 0}}{w_{w, 0}} \right) = (w, w, w, w, w, w, w, w) = (w, w)$	SN 8851, 24961 S12 5	8 8 281 893	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
man wood to be wood to be	A STATE OF A STATE	111 11 11 11 11 11 11 11 11 11 11 11 11	er etteret verste der de	a - 1844 (1984	I S I MS I D MA
1111 (1382 12 ST 1823 1 A 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rent subscription and the second subscription of the	a seral concerne		16 C C C C C C C C C C C C C C C C C C C
400 (50 + 00 40 + 0) (50 + 10 40 + 10 40)		d	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)		
10000 1000 0 1 1000 0000			A CARLES AND A CARLES	al of Patitica Internet	Address of the second
THE PROPERTY IN THE PARTY OF	V 499923 2023 - 14 9 9	21.9 A.9 (1.1)	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec		2
				- Helena	Con Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Constanting Co
		ian na i par cirre cire de			Sector of the Dawn
PARTERIES REALIZED TO THE PERT				5	The second second second second second second second second second second second second second second second s
terina tanta waxii tarki 196					provide a prese
= + + + + + + +	(6) K.0.9 FOURT REPORT FOR STREET, 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1999) 100 (1	deter Kreinkon (Norman eine Charles 1995)	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	als contrast	1. CA. 1. M.
			2		
2010-00-00-00-00-00-00-00-00-00-00-00-00-		(4)) () ((4)) = (0.1 + 30) ((4 + 30) (21 + 31))	1		The second second second second second second second second second second second second second second second se
		and the state state and a set	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		Sector Street Int

anala i dan sar			e start travita	1072 DA122 DF	5	Contraction of the second	A 1.444 - 444		
	Same	16-00 K-1749 K-16		~~~			-		1, 10, 222
Sussel inter inte	or many count	uga suns ra	a inna maas	2	Constants Alternation	Section and and	9 - 10 S. 19 K.	lessen och me	0.000
0.016 - 40.004 (CK)		action contractions		The second	a vene chee	fame seture 1.80	TTIME ARE	Nervan tea	10.252 823
22. 242. 242	S. 138121 182404	221 3074 14	n i inn Thes	La	S 197357 187364	100 6288 89	240704-80800	$w_{i}(x,y) \in [0,\infty) \times [0,\infty)$	100 C
				55			States that		
		-		- Andrews					1. 1. 7. 7
				5					
			the second second second second second second second second second second second second second second second se	"Ohring	an annan meror			1	
nasi kanasi de	20 - KULDA ACIDADA			2	Transport				
20 . 5072.247	a halo's parti	mercowien	Number of the second	The series raise	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	a statement of the second second second second second second second second second second second second second s		and the second	er rocens
test sides for	104 (Marine - 100) 604	white exceptions	Server Assessed	101 105601 10 11	I STAR JOINT		terrar and the	have been a stated	2022010
and some the	at water mode	and the second	12.0000.00000			San an an an sea		Dec. 21mg	101010
 (a) (a) (a) (a) 	$[(x,y_{i}),(y,y_{i}))] = 0.54$	Excercición de la companya	$(x,y) = (x_1,y) = (x_1+y_1,y_1)$	3	in element exercite	68 38 A 1 1 7 4	strev mar	22.0200.000	80.0
	10000-00-00-5		Carrier Carrier			100 000 0 11 M			
				angest					
		Contra transmission		sill _{er}				the second	
				Concernance		And And And And And And And And And And			1.1
AND PARAMA TORS				7	24M-2422 - 1076				
			=	2	States and a	Vet the same	NAME OF WAR	Inc. Contractor	13.012010
				all and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	-	No contro cont	AND 00 10000		10000
18.1 1.544 1.58	Constant Galaxy	10.59 care at a 1.50 cm	excellence and a	5		we can a cont	man south		100.02
	Same some		Same and the s	auto	1944101 1997 2	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	1001 I 2000 I 3	1 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
					Constanting of				
	Server Allan	#1 1015-1 15MA	THE PARTY STATES		-	22.23.13.140	100	5	LCC MARK
-328 N. N. 7.939		1		1800 Provent	E		annual sector and a		
1.2.1.1.2.1.1.1.2.2	BRIDE COMPANY	an serve term	the state of	0.8 TO 8 1 10	The second second	we say and	24284 21270 1 27		111111111
1919 - 1919 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 1913 - 19	2303020 2001 2	1 8 4 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11-11-21-10-1-1	5	Charles a concerne	100 X 101 X 10 X 10 X 1	100000000		1.000.000
				35					
a	Secon concer-	10 a 13 03 19 0	Walls statist		Calles Produce				1
(1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	E1-21/2 (9) (9) (9) (9) (9) (9)	(154 53365 86 S	1000 CAA2 1	600	and the second				1000
24 Mars 1111	ter nor renord a	: कल इल्लार्थ करेत <u>े</u>	2-2-1-1-2212-22		a and a statistic of	an a data a series	and the second second		
	A (0) (Ca. 410 (814 +		1 100 10663 V	F			339 N.A.M. V.A.	107 MARE 1480	
in the second				10		Contraction of the local division of the loc			1
				Manager Land	Davo		Via and Andrea		The second
			Indiana estimates	dip di secondo di parte de la constante de la c	and the second second			here in a	
				-	Selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the select	a para salah			1.15
			and the section of the		ung	1			
a management	REAL PROPERTY	at their steel	0.885 (20.105 N.8	and a second		te cause amon	ina and s		044 MC3
NS 831 1 213	10021 20021 1	100 CA2101 CA2101	1.2000 i Se i e e e e		Sa	$(1+\varepsilon) = (1+\varepsilon) (1+\varepsilon) = (1+\varepsilon) (1+\varepsilon)$	1000 - 51000 - 50	CONTRACTOR ST	1
(a,a) = (a,a) = (a,a) = (a,a)			Anne China Sh					15 MAR 1 50051	13 8 18 27
15,173,241,2	455,000,000,000	N 81 84 8314	(1971) - States 278	5	TOTAL AND A REAL AND		0.0000000000000000000000000000000000000	2.00000000	(
fare true strues	andra ware sh	a rusu ruwi	and she h			N 1281 - 24	188888		
				THE OWNER OF TAXABLE PARTY.					
Carte Cole		to this was	1000 1000. 31	a seam mana	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	or report no an	same carde na	Sector Carl	1.1.127/85
	1022-00-00-00-00-00-00-00-00-00-00-00-00-				and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	the second second	free or so so	1000	
1				5	State State				30
Chine and statement	30400,000,000 a. to		$ 0\rangle = 0 \Rightarrow 0\rangle = 1 = 0$			>> +(+)+(+)+(+)+(+)+(+)+(+)+(+)+(+)+(+)+(+	1.10 - (the states	100.000
acare alter	Interna have be	all torrest topolog	weet thread the		180 M 10	a salala malasi	2011 0 - 2012 1 IVA	0.000.0000	1221 11.00
9. a. a. 10. 2362-6		$= \left\{ x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} x_{i}^{2} $	Second States and				10 10 10 - X - X -	1.000 1.00	Section 2
10 W515 10 50 (5)	10.00.00.00	2.2201 - 52.8-1	10.001 1.001.5 531	-		0 : 1000 W023	2122.00.00.00	1.501.01.00.01	M M
				- And					1
				2					16
					27°				
						1	in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se		Contraction Contraction
				5			When to use the	14 1/2 1/2 1/2	0.04 24 11



				CALIPER
СН2	2MHIL	L		
		SYS8W WELL	14	
WELL : LOCATION/FIELD :	SYS8W WELL System 8W/J	RILLING SERV, INC. 14 0g & Turnpike	OTHER SERVIC NONE	ES:
COUNTY : STATE : SECTION :	PALM BEACH FLORIDA	TOWNSHIP :		DANCE .
DEPTH DRILLER :	10/04/96 151	PERMANENT DATUM : ELEV. PERM. DATUM:	N/A	RANGE : ELEVATIONS KB : N/A
LOG BOTTOM : LOG TOP : CASING DRILLER :	158.10 68.10	LOG MEASURED FROM: DRL MEASURED FROM:		DF : N/A GL : N/A
ZSAEIST HER	80 PUC .5	FIELD OFFICE :	1 DFB M. SCHILLING	1
BIT SIZE : MAGNETIC DECL. : MATRIX DENSITY : FLUID DENSITY : MEUTRON MATRIX ;	22.25	BOREHOLE FLUID : RM : RM TEMPERATURE : MATRIX DELTA T : FLUID DELTA T :	MUD	FILE : ORIGINAL
REMARKS :		DRILLING		
OBSERVER: GERALD Logged under Stat All Se	TIC CONDITION	IS ON REAMED BOREHOLE DED SUBJECT TO STANDAR CALIPER	D TERMS AND C	ONDITIONS
OBSERVER: GERALD Logged under Stat	TIC CONDITION	IS ON REAMED BOREHOLE DED SUBJECT TO STANDAR	D TERMS AND C	ONDITIONS
OBSERVER: GERALD Logged under Stat All Se	TIC CONDITION	IS ON REAMED BOREHOLE DED SUBJECT TO STANDAR CALIPER	D TERMS AND C	
OBSERVER: GERALD Logged under Stat All Se	TIC CONDITION	IS ON REAMED BOREHOLE DED SUBJECT TO STANDAR CALIPER	D TERMS AND C	ONDITIONS
OBSERVER: GERALD Logged under Stat All Se	TIC CONDITION	IS ON REAMED BOREHOLE DED SUBJECT TO STANDAR CALIPER	D TERMS AND C	
OBSERVER: GERALD Logged under Stat All Se	TIC CONDITION	IS ON REAMED BOREHOLE DED SUBJECT TO STANDAR CALIPER		
LOGGED UNDER STAT	TIC CONDITION	IS ON REAMED BOREHOLE DED SUBJECT TO STANDAR CALIPER INCH		



System 9W

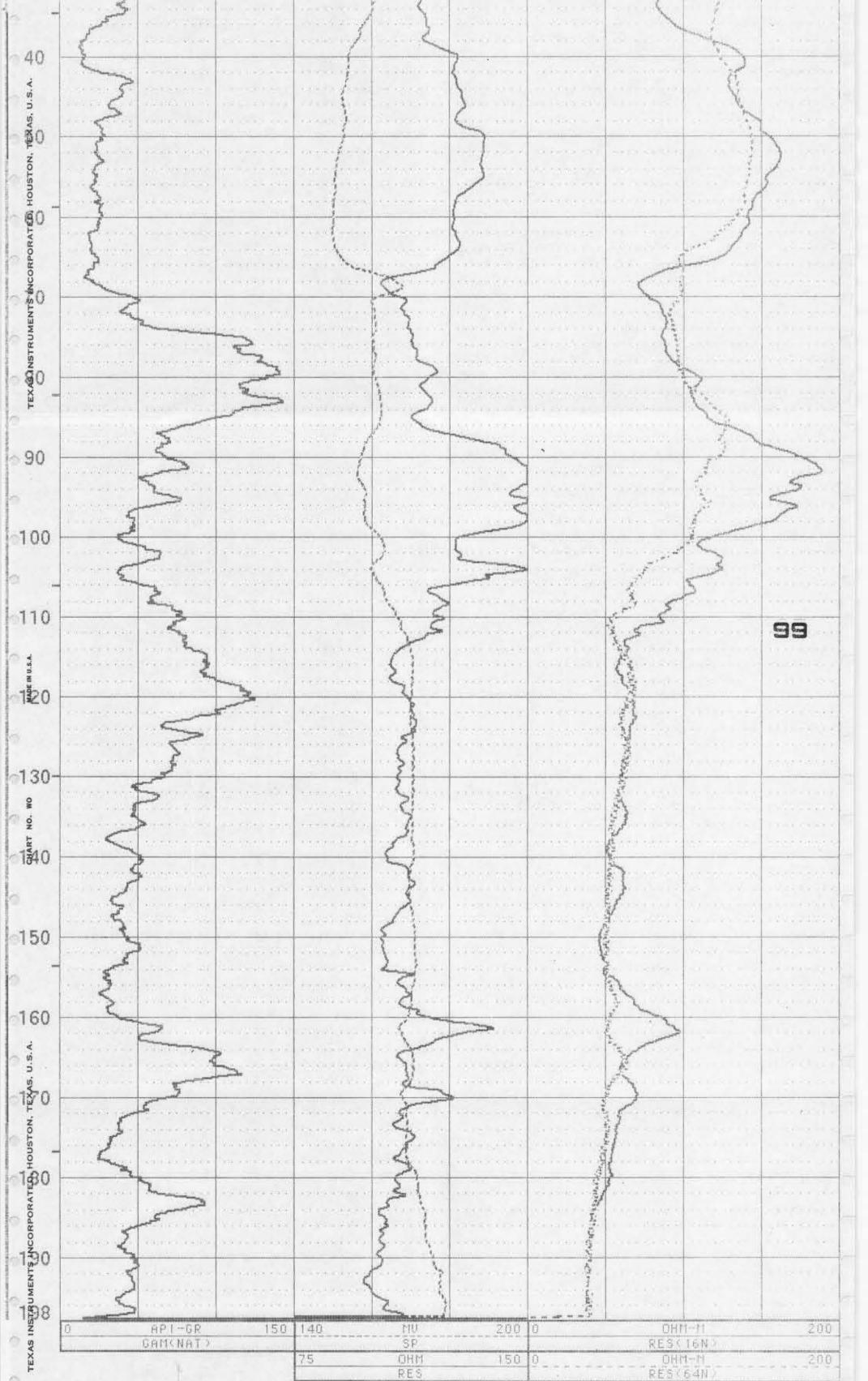


HOUSTON, TEXAS, U.S.A.

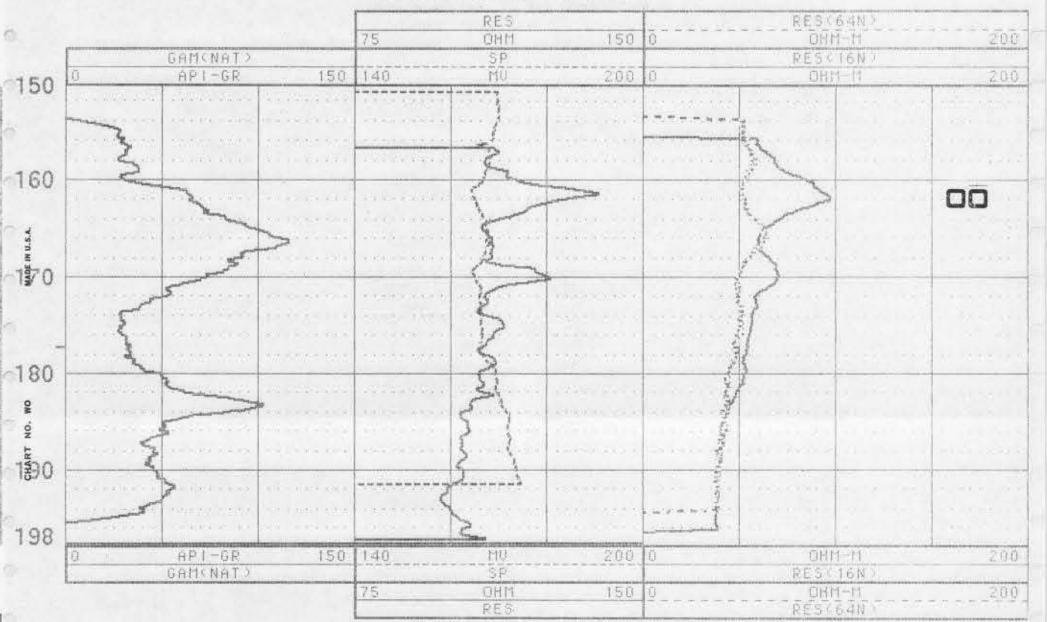
GAMMA, SP LSN ELECTRIC SINGLE POINT ELECTRIC

SYS9W WELL 1R

	WELL LOCATION/FIELD COUNTY	: : :	SOUTHEAST SYS9W WELL SYSTEM 95/ PALM BEACH FL	1R BOCA RATO	SERU, INC.	GAMI	ER SERVICES: MA,SP ELEC			
	TATE ECTION	1	F L	TOWNS	SHIP :		RAI	4GE	:	
T	DATE	:	05/25/96	PERM	ANENT DATUM	GL	ELI	EVATI	ONS	
r	DEPTH DRILLER		200	ELEU	. PERM. DATUM:	N/A	KI	8	: N/A	
1	LOG BOTTOM	:	197.80	LOG 1	MEASURED FROM:	GL.	DI		: N/A	
X	LOG TOP		0.30	DRL I	MEASURED FROM:	NZA	GI	li	: 11/0	
	ACTNC BDILLED		Ø	LOCC	ING UNIT :	1				
	CASING DRILLER	10	Margaret As Solution		D OFFICE :					
	CASING TYPE CASING THICKNES		NONE				SCHILLING			
Ŧ	BIT SIZE		5.875	BOREI	HOLE FLUID ;	MUD	F	LE	: ORIGINA	ni.
	AGNETIC DECL.	-		RM	a succession of the second second second second second second second second second second second second second		T	PE	: 90414	
	MATRIX DENSITY			RM T	EMPERATURE :		L)G	: 7	
	FLUID DENSITY	2	8		IX DELTA T :		P	LOT	: MARK 2	7
	TEUTRON MATRIX	-			D DELTA T :				1: 10000	
	01.L	SEL			LOT HOLE	RD T	ERMS AND CONT	TTO	NS	
	ALL	SEF		IDED SUB.	PES		Y	RES	3(64N)	
			NUICES PROU		RES OHM	RD T1	Y	RES O	аке 4N) Янт-п	
	GANKN	VAT 2	NUICES PROU	IDED SUB,	RES OHM SP	150	0	RES D RES	5064N) HM-P 3016N)	200
		VAT 2	NUICES PROU	1 DED SUB , 75 140	RES OHM	150 200	0	RES D RES	аке 4N) Янт-п	200
	GAM(N 0 AP1-	<u>YAT</u> GR	NUICES PROU	1 DED SUB , 75 140	RES OHM SP MU	150 200	0	RES D RES	2°54N) АМ-Л 3С16N) АМ-П	200
	GAM(N 0 AP1-	<u>YAT</u> GR	NUICES PROU	1 DED SUB , 75 140	RES OHM SP MU	150 200		RES O RES O	5×64N) HM-H SC16N) HM-H	200
	GAMKN 0 AP1-	¥AT GR	IUICES PROV	1 DED SUB , 75 140	RES OHM SP MU	150		RES O RES	5×64N) HM-H SC16N) HM-H	200
0 -	GAM(N 0 AP1-	VAT - GR	NUICES PROU 150	1DED SUB, 75 140	RES OHM SP MU	150		RES O RES	5×64N) HM-H SC16N) HM-H	200
) 0 -	GANKA 0 API-	VAT GR	NUICES PROU	1DED SUB, 75	RES OHM SP MU	150		RES O RES	5×64N) HM-H 3<16N3 HM-H	200
0 -	GAM(A) 0 AP1-	VAT - GR	IUICES PROV	1 DED SUB. 75 140	RES OHM SP MU	150		RES O RES	5×64N) HM-H 3<16N3 HM-H	200



REPEAT SECTION



S. A.

CALIPER

CH2MHILL

SYS9S WELL 1R

COMPANY	:	SOUTHEAST D	RILLING SERV, INC.	OTHER SERVICES:				
WELL	:	SYS9S WELL	IR	NONE				
LOCATION/FIELD	:	SYSTEM 95/B	CA RATON					
COUNTY	:	PALM BEACH						
STATE	3.3	FLORIDA		1- monthering -	in the second second			
SECTION			TOWNSHIP :		RANGE			
DATE		12/04/96	PERMANENT DATUM :	GL	ELEVA	TIONS		
DEPTH DRILLER	: .	146	ELEU. PERM. DATUM:	N/A	KB	: N/A		
LOG BOTTOM	1	145.40	LOG MEASURED FROM:	GL	DF	: N/A		
LOG TOP	;	81.60	DRL MEASURED FROM:	N/A	GL	: NZA		
CASING DRILLER	: :	90	LOGGING UNIT :	1				
CASING TYPE	18 1	PUC		DFB				
CASING THICKNESS				M. SCHILI	LING			
BIT SIZE		22.25	BOREHOLE FLUID :	мир				
MAGNETIC DECL.	1.1	66.63	and a second second second second second second second second second second second second second second second	Philb		: ORIGINAL		
MATRIX DENSITY	1		RM :		TYPE			
FLUID DENSITY	:		RM TEMPERATURE :		LOG	1.1		
			MATRIX DELTA T :		PLOT			
NEUTRON MATRIX REMARKS			FLUID DELTA T :		THRE	SH:		
LOGGED UNDER ST	TAT	C CONDITION	UTHEAST DRILLING S ON REAMED BOREHOLE DED SUBJECT TO STANDA	RD TERMS A	ND CONDITI	ONS		
LOGGED UNDER SI All S	TAT	C CONDITION	S ON REAMED BOREHOLE DED SUBJECT TO STANDA	RD TERMS A	ND CONDITI	ONS		
LOGGED UNDER SI All S	TAT	C CONDITION	S ON REAMED BOREHOLE DED SUBJECT TO STANDA CALIPER	RD TERMS A	ND CONDITI	ONS	***	
LOGGED UNDER SI All S	TAT	C CONDITION	S ON REAMED BOREHOLE DED SUBJECT TO STANDA	RD TERMS A	ND CONDITI	ONS		
LOGGED UNDER SI All S	TAT	C CONDITION	S ON REAMED BOREHOLE DED SUBJECT TO STANDA CALIPER				1	
LOGGED UNDER SI All S	TAT	IC CONDITION	CALIPER INCH				1.4.4.4.4.4 5.4.4.4.4.4.4.4.4.4.4.4.4.4.4	
LOGGED UNDER ST ALL S	SER	C CONDITION	CALIPER INCH					
LOGGED UNDER ST ALL S	SER	C CONDITION	CALIPER INCH			· · · · · · · · · · · · · · · · · · ·		
LOGGED UNDER ST ALL S	SER	C CONDITION	CALIPER INCH					
LOGGED UNDER ST ALL S	EATI	IC CONDITION	CALIPER INCH					
LOGGED UNDER ST ALL S	SER	IC CONDITION	CALIPER INCH					
LOGGED UNDER ST ALL S	EATI	IC CONDITION	CALIPER INCH					
LOGGED UNDER ST ALL S	EATI	IC CONDITION	CALIPER INCH					
LOGGED UNDER ST ALL 9		IC CONDITION	CALIPER INCH			$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		
LOGGED UNDER ST ALL 9		IC CONDITION	CALIPER INCH					
LOGGED UNDER ST ALL 9		IC CONDITION	CALIPER INCH					
LOGGED UNDER ST ALL 9		IC CONDITION	CALIPER INCH					
LOGGED UNDER ST ALL S		C CONDITION	CALIPER INCH					
LOGGED UNDER ST ALL 9		C CONDITION	CALIPER INCH				48	
LOGGED UNDER ST ALL 9		C CONDITION	CALIPER INCH				48	
LOGGED UNDER ST ALL S		C CONDITION	S ON REAMED BOREHOLE DED SUBJECT TO STANDA				48	

2

CHART NO. WO

	20			AG I VALUE	I N CAL	CH PER				30
45	erner Carrie Contact		1			tentretystadautechostadautecho a - a - a - a - a - a - a - a - a - a -	feide die besterden der besterben Feinen alle einen die besterben			••••••
40		μ								
	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		199 - 1990 - 1994 1991 - 1997 - 1997 1991 - 1997 - 1997	10000000000000000000000000000000000000	(1, 1) - 2 (1, 1) (1, 1) - 2 (1, 1, 1) (1, 1) (1, 1)		in faith in the			
			+1.544.531.6	1711.1110.			the second second	and the res	en chine anatai	ant brack serv
30	and the second states			-	· · · · · · · · · · ·					
20]	17.111.111.11	1	1973 - B.S. 1994 - S.S.	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		1	$(A^{\prime}) = (A_{1} + A_{2}) = $	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	- Sector Sector - S	
	$(\hat{t}_{i}^{\prime},\hat{t}_{i}^{\prime})\hat{t}_{i}^{\prime}\hat{t}_{i}^{\prime}\hat{t}_{i}^{\prime}\hat{t}_{i}^{\prime}\hat{t}_{i}^{\prime}\hat{t}_{i}^{\prime}\hat{t}_{i}^{\prime}\hat{t}_{i}^{\prime}\hat{t}_{i}^{\prime}\hat{t}_{i}^{\prime}\hat{t}_{i}\hat{t}_{i}^{\prime}\hat{t}_{i}\hat{t}_{i}^{\prime}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_{i}\hat{t}_$		oo sa saa	241112111	4 6 4 (A) 4 8 6 4 4	Section in		12/11/2010		
		C	1				1.1.1.1.1.1.1.1.1.1.1.1.1	13703137938 	i neo dia mandri ni Lengga menaga di	
20										

0		
0		
•	CHAMHILL	
•		SYS

1.1

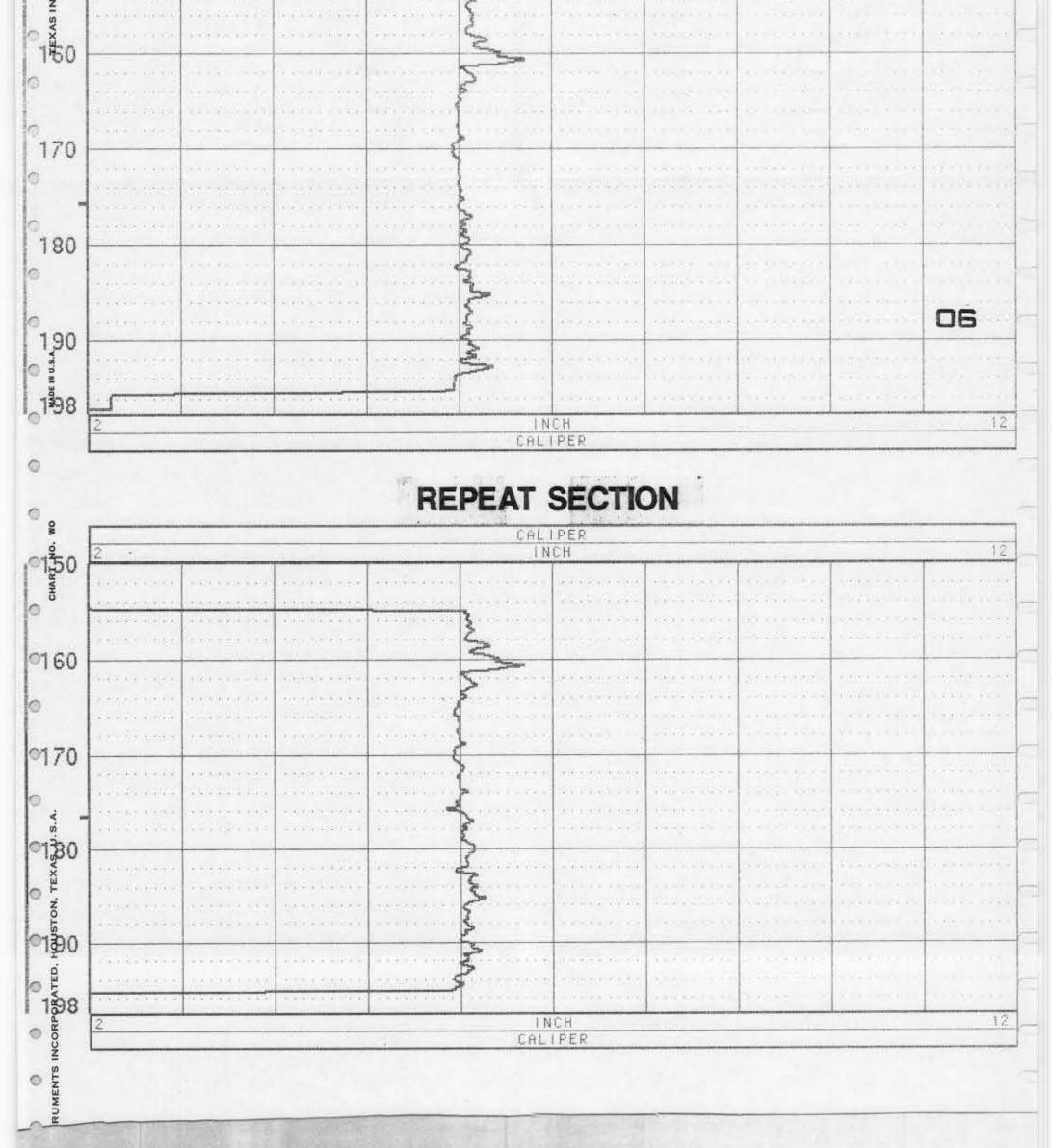
SYS9S WELL 1R

-

CALIPER

WELL	: SOUTHEAST DR : SYS9S WELL 1 D : SYSTEM 95/B0 : PALM BEACH		OTHER SERVICE GAMMA, SP LSN ELEC	s: 04
STATE SECTION	: FL :	TOWNSHIP :		RANGE :
DATE DEPTH DRILLER LOG BOTTOM LOG TOP	: 197.60	PERMANENT DATUM : ELEV. PERM. DATUM: LOG MEASURED FROM:	N/A GL	ELEVATIONS KB : NZA DF : NZA
CASING DRILLER CASING TYPE CASING THICKNI	: NONE	FIELD OFFICE :	1 DFB M. SCHILLING	GL : NZA
MAGNETIC DECL.		BOREHOLE FLUID : RM :	MUD	FILE : ORIGINAL TYPE : CCAL1
MATRIX DENSITY FLUID DENSITY		RM TEMPERATURE : MATRIX DELTA T :		LOG : 5 PLOT : MARK 2 THRESH: 10000
NEUTRON MATRIX REMARKS	tion in the second	FLUID DELTA T :		
REMARKS OBSERVER: TOM LOGGED UNDER	: M URUM - MONTGOME STATIC CONDITION	TRY WATSON S ON PILOT HOLE DED SUBJECT TO STANDA CALIPER	RD TERMS AND CO	
REMARKS OBSERVER: TOM LOGGED UNDER	: M URUM - MONTGOME STATIC CONDITION	RY WATSON S ON PILOT HOLE DED SUBJECT TO STANDA	RD TERMS AND CO	
REMARKS OBSERVER: TON LOGGED UNDER AL	: M URUM - MONTGOME STATIC CONDITION L SERVICES PROVID	RY WATSON S ON PILOT HOLE DED SUBJECT TO STANDA CALIPER INCH		ONDITIONS
REMARKS OBSERVER: TON LOGGED UNDER AL	: M URUM - MONTGOME STATIC CONDITION L SERVICES PROVID	CALIPER INCH		ONDITIONS
REMARKS OBSERVER: TON LOGGED UNDER AL	: M URUM - MONTGOME STATIC CONDITION L SERVICES PROVID	TRY WATSON S ON PILOT HOLE DED SUBJECT TO STANDA		ONDITIONS
REMARKS OBSERVER: TOM LOGGED UNDER AL	: M URUM - MONTGOME STATIC CONDITION L SERVICES PROVID	RY WATSON S ON PILOT HOLE DED SUBJECT TO STANDA		ONDITIONS

0	$(x_1,y_2,y_3,y_1,y_2,y_3,y_3,y_3,y_3,y_3,y_3,y_3,y_3,y_3,y_3$			$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2				12/17/1 17/14 1	
0						5				Canal a series and and
0	1	1243 63 37697		North Contraction of the second		The second				
-	1							1.20		
n				1		and the second				
-						-	III III III III III IIII IIIIIIIIIIIII	and the second second		
h				1		- marine				05
	In the second		The surrow is shown	Pinnen south - and	les and set and set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of					an saish sa Suu saist s
- n	4				1	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s				an kasasa as Tan tanggi ta
			in the second second	Course anama and	And the second second second		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se			
n					and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		- Martin			
~	Contra and a contract	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	a the second construction	and the second second	Real Property lies	and the second second	the second contract	The second second second		
0	Energy and the second				Sim					and a second second
-		Contrast and a second		and another star	And a state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the					
0	And a second reaction of the				2200	a la sulla de secondo a la sulla de secondo de secondo de secondo de secondo de secondo de secondo de secondo d		ine and include the later	an entre the state of the second	and control to
~				1	Jan 1					n a si si si si si si si si si si si si si
'n	and an an an and a second	a de la competencia de la competencia de la competencia de la competencia de la competencia de la competencia d		The second second second	1	a second conservation where	a construction of the second			
	1				-					u i Posci in Reference co
-		A LONG REAL PROPERTY AND A REAL	interest secondaria area conse-			the set shares and	The William States	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
					2					
0	Town reserve		and a second second		P					
0				1				1		
0	and the second second	AND CONTRACTOR	des anno seasan	1	1					
v.				12	2			41		



Appendix D



MONTGOMERY WATSON

Sand Sieve Analyses

System 2W

.

T

Т

Į

P.7

6-26-1996 9:38AM

SYSTEM 2, WELL * 14

SAND ANALYSIS 1 June 25, 1996

S 2 #14

depth	80-95	95-105	105- 115	115- 125		 		
GAGE .250"	20	12	3	.8		 		
.132"	60	49	57	70				
.0967"	76	66	88	85				
·,0661"	85	80	97	93	_			
.0469"	95	94	100	98				
0331"	97	99	100	100				
.0234"	97	99	100	100				
.0165"	97	99	100	100				
.0117"	97	99	100	100				
.0083"	97	99	100	100	·			
.0059"	97	99	100	100		 		
PAN	97	99	100	100		 		

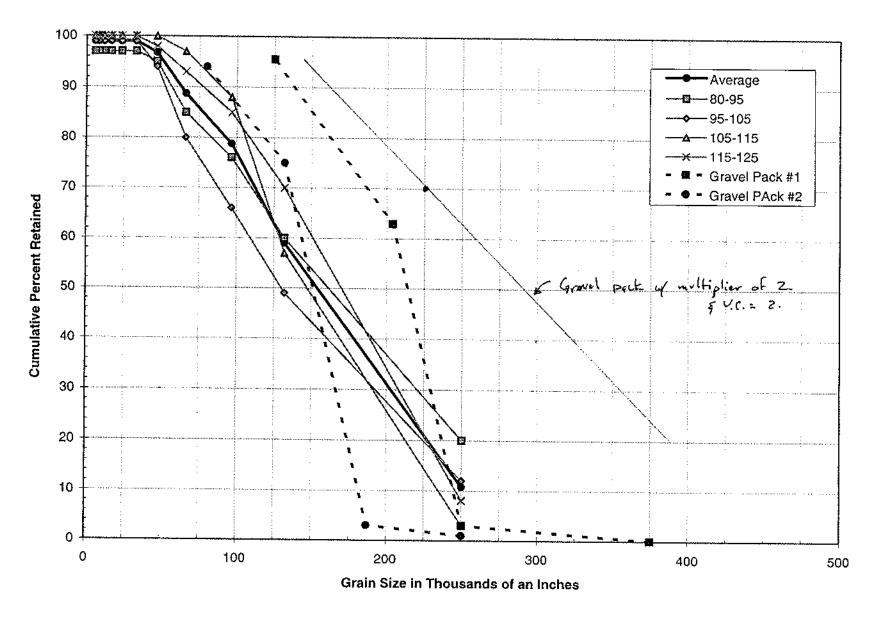
.

g:\dan\sand\lsand.frm

.

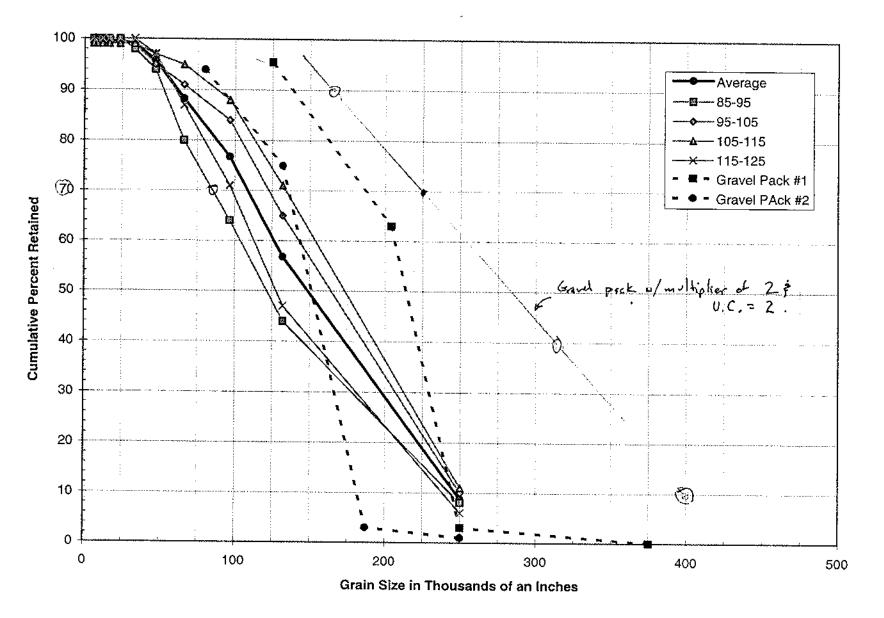
٠

S2 #14



System 2, Well * 14

S2 #15



System 2, Will #15

.

. -

÷

P. 8

٦

Т

Т

6-26-1996 9:38AM

FROM HOUSTON WELL SCREEN 1 713 442 0503

System 2, Wer * 15

SAND ANALYSIS 1 June 25, 1996

<u>S 2 #15</u>

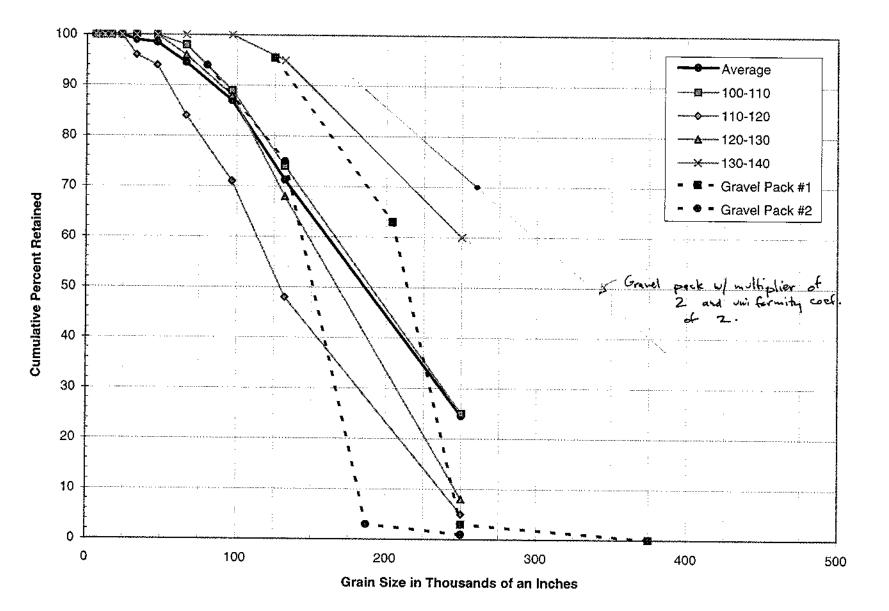
DEPTH	85-95	95-105	105- 115_	115- 125					
GAGE .250"	8	10	11	6					
.132"	44	65	71	47					
.0967"	64	84	88	• 71					
.0661"	80	91	95	87		· .			
.0469"	94	95	97	97	· · · ·	-			
.0331"	98	96	99	100		-			
.0234"	100	99	99	100	- ,				
.0165"	100	99	99	100					
.0117"	100	99	. 99	100					
.0083"	100	99	99	100					
.0059"	100	99	99	100	<u> </u>				
PAN	100	99	99	100			-		

g:\dan\sand\1 sand.frm

,

System 3W

SR #15



PAGE 3

P. 1

6-26-1996 9:35AM

FROM HOUSTON WELL SCREEN 1 713 442 0503

SAND ANALYSIS 1

.

.

US Std. Durn &

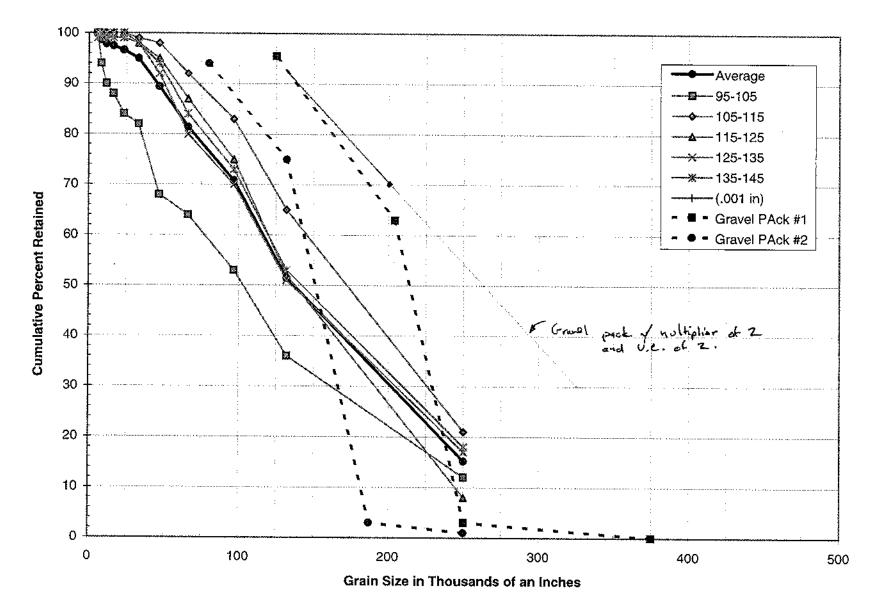
S R #15

đ				··			- -	 	
	DEPTH	100- 110	110- 120	120- 130	130- 140	-			
:	GAGE .250"	25	5	8	60	3		 	
	.132"	74	48	68 .	95				
8	0967"	89	71	88	100				
	.0661**	98	84	96	100	<u>+</u>	-		
,	.0469"	105	94	100	100	••••••••••••••••••••••••••••••••••••••			
2	.0331"	110	96	101	100				
·	.0234"	110	100	101	100				
	.0165"	110	100	101	100				
, ,	.0117"	110	100	101	100				
2	.0083"	110	100	101	100			 	
Ð	.0059"	110	100	101	100			 	
	.PAN	110	100	101	100			 	

.

g:\dan\sand\Isand.frm

SR #16



PAGE 4

P. 2

FROM HOUSTON WELL SCREEN 1 713 442 0503

6-26-1996 9:36AM

SAWRF Will # 16

SAND ANALYSIS I

					<u>S A</u>	<u> #16</u>	, 	. <u></u>		······
	DEPTH	95- 105	105- 115	115- 125	125- 135	135- 145_				
· •	GAGE .250"	12	21	8	17	18				
6	.132"	36	65	52	51	53				
ଚ	.0967"	52	83	75	70	73				
12	.0661"	64	92	87	80	84				
16	.0469"	68	98	95	92	94				
20	.0331"	82	99	98	98	98				
.30	.0234"	84	100	100	100	99				
40	.0165"	88	100	100	100	99				
50	.0117"	90	100	100	100	99				
70	.0083"	94	100	100	100	99			·	
100	.0059"	100	100	100	100	99	-			
	PAN	100	100	100	100	99				

g:\dan\sand\lsand.frm

.

Ċ

6-26-1996 9:36AM

PAGE 5

SYSTEM 3 Well #17 SRWRF

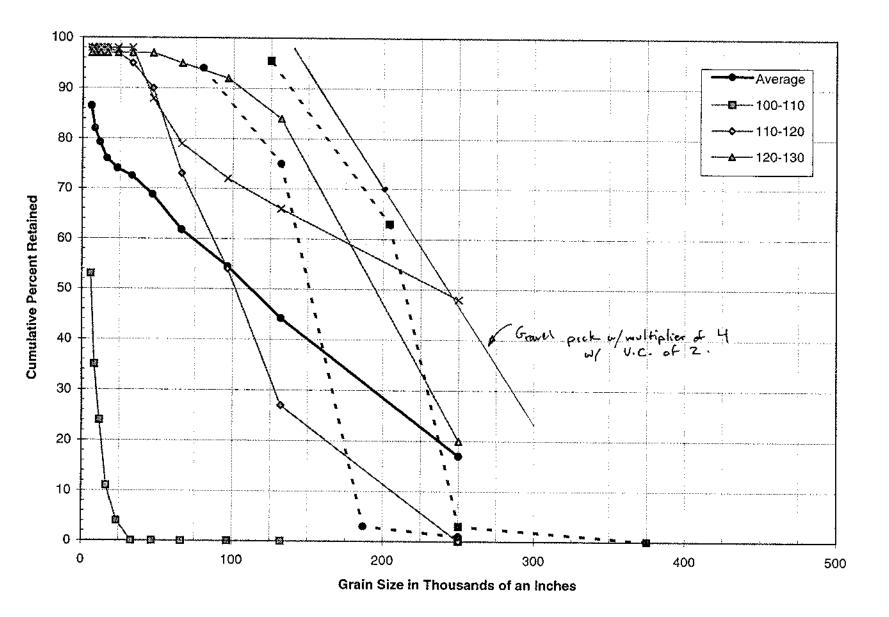
P. 3

SAND ANALYSIS I S R #17 120-DEPTH 130-100-110-130 140 120 110 48 GAGE 0 0 20 .250" .132" 66 0 27 👘 84 .0967" 72 Ð 54 92 79 95 .0661" 0 **73** -.0469" 90 97 88 0 .0331" 98 97 95 Ø .0234" 97 97 98 4

98 97 .0165" 98 11 . 97 98 .0117" 24 98 .0083" 97 98 35 98 98 .0059" 53 98 97 PAN 100 98 97 98

g:\dan\sand\1sand.frm

SR #17



KU1 + 17

SYSTEM 3

٠

۰.

PAGE 6

P.4

6-26-1996 9:37AM

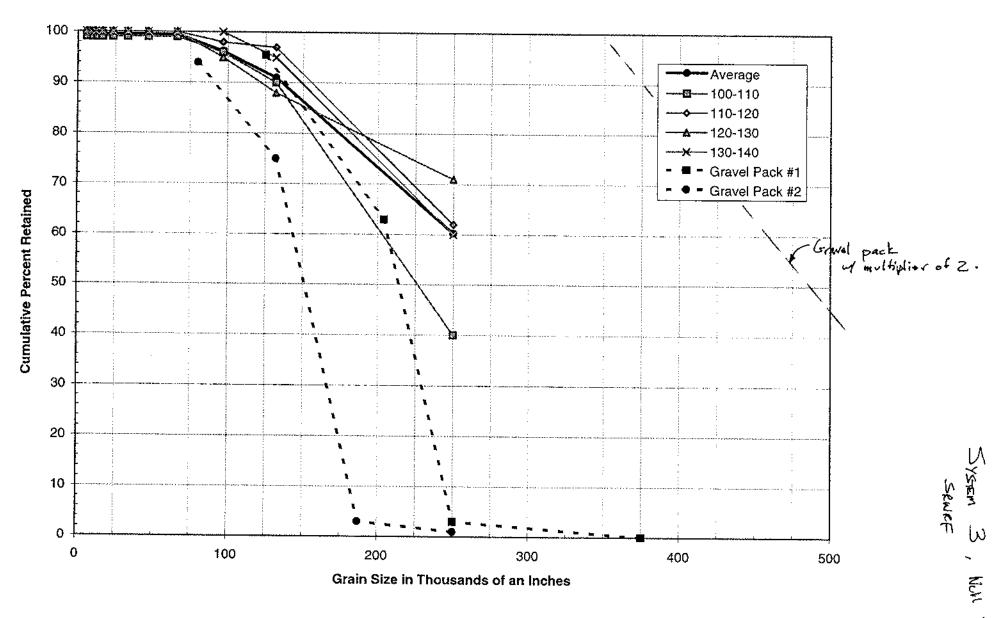
3 , Nell * 18 System SRWEF

SAND ANALYSIS I S R #18 Southeast Eng

•	_			South	an ch			·····	
DEPTH	100- 110	110- 120	120- 130	130- 140					
GAGE .250"	40	62	71	68					
.132"	90	97	88	89					
.0967"	96	98	95	96					· · · · · · · · · · · · · · · · · · ·
.0661"	99	100	100	99					
.0469"	99	100	- 100	99					
.0331"	99	100	100	99					
.0234**	99	100	100	99		· · ·			
.0165"	99	100	100	99					
.0117"	99	100	100	99					
.0083"	99	100	100	99			_		
.0059"	99	100	100	99					
PAN	99	100	001	99					
		<u> </u>	<u> </u>	<u>i</u>	<u> </u>			<u> </u>	<u> </u>

g:\dan\sand\1sand.frm

SR #18



<u>6</u>

ų,

System 8W

.

.

.*

ż

PAGE 7

P. 5

6-26-1996 9:37AM

System 8W, #13

SAND ANALYSIS I

FROM HOUSTON WELL SCREEN 1 713 442 0503

.

٠.

.

June 20, 1996 S 8 #13

				<u>v</u> v	#15		
DEPTH	85-95	95-105	105- 115	115- 125	125- 135	135- 140	
GAGE .250"	0	0	Ð	7	6	8	
.132"	40	40	6	47	23	77	
.0967"	71	65	24	66	46	94	
.0661"	93	80	48	81	66	. 99	
.0469"	112	97	80	95	86	101	
.0331"	119	100	. 94	100	96	101	
.0234"	120	100	• 98	100	99	101	
.0165"	120	100	100	100	100	101	
.0117"	120	100	100	100	100	101	
.0083"	120	100	100	100	100	101	
.0059*	120	100	100.	100	100	. 101	
PAN	120	100	100	100	100	101	

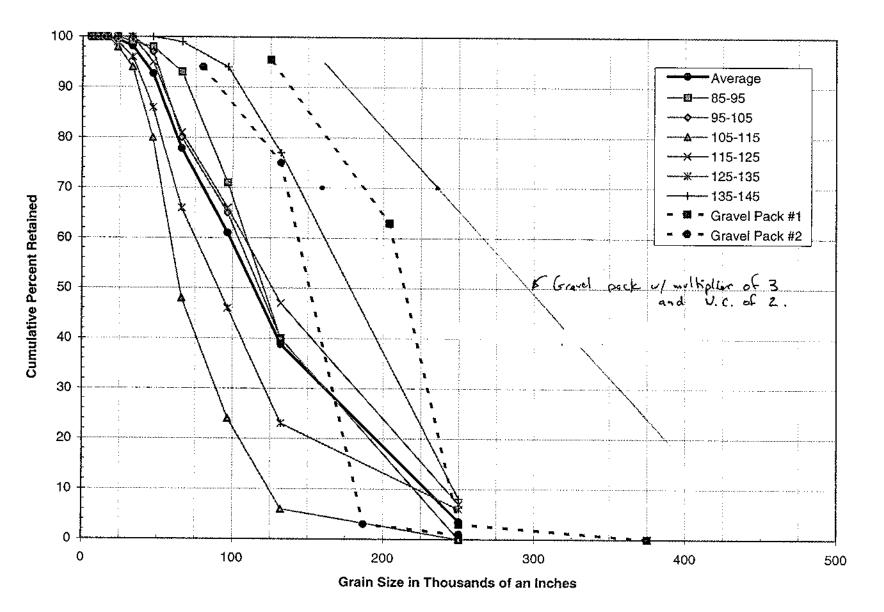
g:\dan\sand\1sand.frm

•

.

. *

S8 #13



1

.

.

-

P. 6

6-26-1996 9:37AM

FROM HOUSTON WELL SCREEN 1 713 442 0503

.

System 8W. * 14

SAND ANALYSIS I

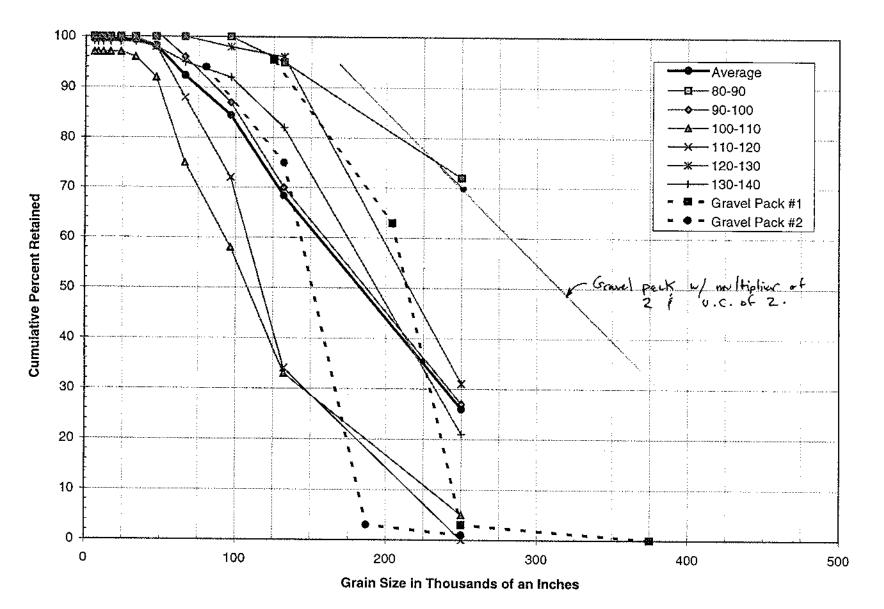
				58	#14	<u> </u>	 	T
DEPTH	80-90	90-100	100- 110	110- 120	120- 130	130- 140		
GAGE .250"	72	27	5	Û	31	21	 	
.132"	95	70	33	34	96	82		
,0967"	100	87	58	72	98 -	. 92		
.0661"	100	96	75	88	100	95		
.0469"	100	101	92	98	100	98	 	
.0331"	100	101	. 96	100	100	99		
_0234"	100	101	97	100	100	99	 	
.0165"	100	101	97	100	100	.99		
.0117"	100	101	97	100	100	99	 •	
.0083"	100	101	97	100	100	99		
.0059"	100	101	97	100	100	99		
PAN	100	101	97	100	100	99	 	

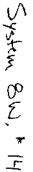
.

g:\dan\sand\fsand.frm

.

S8 #14





System 9W

.

.

P. 9

t

6-26-1996 9:38AM

.

FROM HOUSTON WELL SCREEN 1 713 442 0503

SYSTEM 9W Well * IR

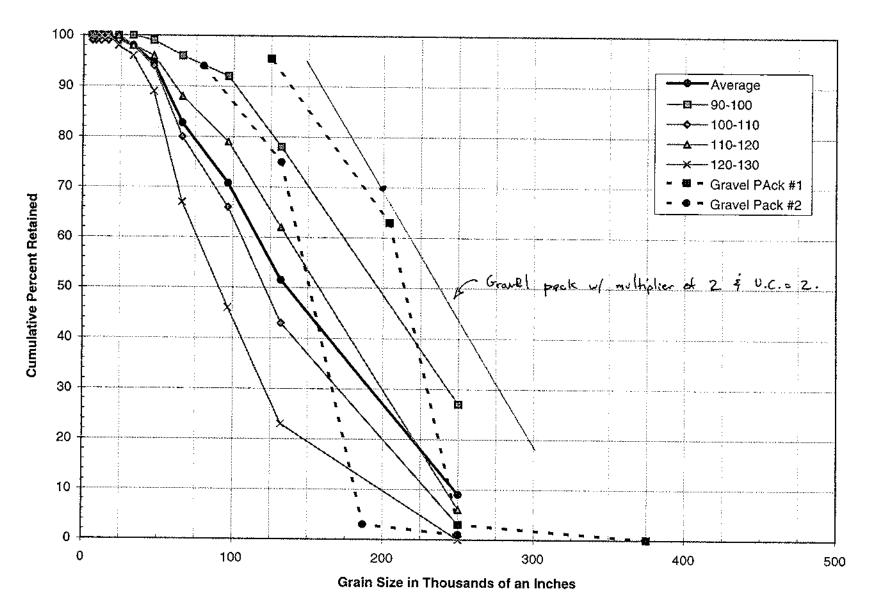
SAND ANALYSIS I S9#1

DEPTH	90- 100	100- 110	110- 120	120- 130				
GAGE .250"	27	3	06	0				
.132"	78	43	. 62	23	:			
.0967"	92	66	79	46		-		
.0661"	96	80	88	67				
.0469*	99	94	96	89				
.0331"	100	98	98	96				
.0234"	100	99	100	98				
.0165"	100	99	100	100				
.0117"	100	99	100	100				[
.0083"	100	99	100	100				
.0059"	100	99	100	100			 	
PAN	100	99	100	100			 	

g:\dan\sand\1sand.frm

.





SYSTEM QW, Well * IR

Gravel Pack Sand Sieve Analysis



PRODUCERS AND DISTRIBUTORS OF ALGREGATES AND ABRASIVES FOR EVERY PURPOSE

8500 NORTHWEST JOTH AVENUE MIAMI, FLORIDA 33147

TELEPHONE (305) 691 5801 FAX (205) 698-9414

July 9, 1996

Mr. Bart Siegler Southeast Drilling

.

SIEVE ANALYSIS - 1/4" - 1/8" FILTER GRAVEL

، طر	SIEVE	SIZE	SIEVE ANALYSI PERCENT PASSIN	s NG Selected.
, ,2*1 >4 1	3/8" 1/4" #4 1/8"	375 14 - main 252 16- main 264 1855 - main	100.0 97.0 37.0 4.5	3 63 15.5
Sample #2	1/4" 3/16" #6 #10	.250 .1871 .132 .080	3/16 - #10 99.0 97.0 25.0 6.0	1 3 75 94

Selected: 1/4 - 1/8 Florida Silica Sand G.

C 0.

6-26-1996 2:39PM

FROM HOUSTON WELL SCREEN 1 713 442 0503

SCREEN

P. 1

13939 Aldine-Westfield Road Houston, Texas 77093 Telephone: 713/449-7261 WATS: 800/237-7593 Telefax: 713/449-6010

June 26, 1996

Southeast Drilling Services, Inc. P O Box 271723 Tampa, FL 33688

WELL

Attn: Bart Ziegler

We have received and analyzed the sand samples from the PBC Wellfield Expansion.

We have determined that .100 slot screen and a 1/8 x 1/4 River Gravel from Florida Silica would be a good recommendation. We also project that 16" .100 slot screen will produce 79.57 GPP per foot at an entrance velocity of .1 ft, per second.

Please be advised that we assume no responsibility for the samples used in the above analysis as being truly representative of the section to be screened.

Thank you for the opportunity to submit our recommendations and if you have any additional questions or comments, please do not hesitate to call.

Sincerely,

WELL SCREEN COMPANY HOUSTON

Daniel M. Parris National Sales Manager

DMP/skm

Appendix E



MONTGOMERY WATSON

Preliminary Water Sample Analyses

System 2

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFO	RMATION (to be completed I	by system or lab)	
System Name:	v	I.D. #:	
Address: Type (check one): () Commun	ity () Nontransient Noncom	Phone #: (nmunity () Noncommunity)
SAMPLE INFORMATION (to be	completed by sampler)		
Sample Date (MMDDYY):/	/ Sample Time:		
Sample Location (be specific):			
Sampler Name and Phone:	····	()
Sampler's Signature:		·····	Title:
Check Type(s): () Distributio () Clearance () Distrib en) / \ Thm May D.	MCL () Resamp es Time () Plant Ta () Composite of Multiple S	p
LABORATORY CERTIFICATION	I INFORMATION (to be compl	leted by lab) – ATTACH HRS AN	ALYTE SHEET*
Lab Name: PPB Environmenta	Laboratories, Inc.	HRS #: _ <u>82282</u> E	xpiration Date:
Address: 6821 SW Archer Re	oad, Gainesville, FL 32608	Pł	none #: <u>(352) 377-2349</u>
Subcontracted Lab HRS #: 8317	0, 82135, 84269 - ATT	ACH HRS ANALYTE SHEET FOR	SUBCONTRACTED LAB, TOO*
ANALYSIS INFORMATION (to b	e completed by lab) – SAMPI	LE NUMBER:131662 5	STON # 2 Were# 14
Date Sample(s) Received:5/28	/96 Group(s) Anal	yzed & Results attached for compli	ance with 62-550, F.A.C.:
() Nitrate Only	() Nitrite Only	() Asbestos Only	(x) Trihalomethanes
Inorganics ()All 17 (x)Partial	Volatile Organics (x) All 21 () Partial	Secondaries (x) All 14 ()Partial	Pesticide/PCBs∽ () All 30 (x) Partial
Group I Unregulateds– ()All 13 (x)Partial	Group II Unregulateds (x) All 23 ()Partial	Group III Unregulateds- (x) Ali 11 () Partial **Provide radiochemical sample d	(x) Single Sample () Qtrly Composite**
I, Paul Berma	n .d	o HEREBY CERTIFY that all attach	
Signature Part	2 Berman		
Title QA Officer			Date 6/14/96
COMPLIANCE INFORMATION (to	be completed by State)		
Sample Collection Satisfactory:	San	nple Analysis Satisfactory:	
Resample Requested for:			
Person notified to resample:			
DEP/HRS Reviewing Official:			

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample.

Effective January 1995

1

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param			Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>CI</u>	<u>Name</u>	(MCL mg/l)	Number	<u>Result (mg/l)</u>	<u>Method</u>	Date	<u>(mg/l)</u>	<u>ID</u>
1005	ARSENIC	(.05)	131662	0.001 U	SM 3113B	06/08/96	0.001	82282
1010	BARIUM	(2)	131662	0.048	EPA 200.7	06/10/96	0.001	82282
1015	CADMIUM	(.005)	131662	0.0001	SM 3113B	06/01/96	0.0001	82282
1020	CHROMIUM	(0.1)	131662	0.024	EPA 200.7	06/10/96	0.005	82282
1024	CYANIDE	(0.2)	131662	0.004 U	SM 4500CNE	06/04/96	0.004	82282
1025	Fluoride	(4)	131662	0.52	SM 4500FC	06/14/96	0.02	82282
1030	LEAD	(0.015)	131662	0.002 K	SM 3113B	06/11/96	0.001	82282
1035	MERCURY	(0.002)	131662	0.0001 K	EPA 245.1	06/10/96	0.00005	82282
1036	NICKEL	(0.1)	131662	0.030 U	EPA 200.7	06/10/96	0.030	82282
1040	NITRATE	(10)	131662	0.160	EPA 353.2	06/06/96	0.004	82282
1041	NITRITE	(1)	131662	0.066	EPA 353.2	05/29/96	0.003	82282
1045	SELENIUM	(0.05)	131662	0.005 K	SM 3113B	06/08/96	0.001	82282
1052	SODIUM	(160)	131662	96.2	EPA 200.7	06/10/96	0.05	82282
1074	ANTIMONY	(0.006)	131662	0.003 U	SM 3113B	06/12/96	0.003	82282
1075	BERYLLIUM	(0.004)	131662	0.003 U	EPA 200.7	06/10/96	0.003	82282
1085	THALLIUM	(0.002)	131662	0.002 U	EPA 200.9	06/12/96	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	leter		Sample	Analysis*	Analysis	Analysis	MDL	Lab
<u>!D</u>	<u>Name</u>	(MCL mg/l)	Number	<u>Result (mg/l)</u>	<u>Method</u>	Date	<u>(mg/i)</u>	<u>a</u>
1002	ALUMINUM	(0.2)	131662	8.69	EPA 200.7	06/10/96	0.01	82282
1017	CHLORIDE	(250)	131662	79.7	EPA 325.2	05/30/96	0.3	82282
1022	COPPER	(1)	131662	0.02 K	EPA 200.7	06/10/96	0.01	82282
1020	Fluoride	(2.0)	131662	0.52	SM 4500FC	06/14/96	0.02	82282
<u>1028</u>	IRON	(0.3)	131662	4.35	EPA 200.7	06/10/96	0.005	82282
1032	MANGANESE	(0.05)	131662	0.044	EPA 200.7	06/10/96	0.005	82282
1050	SILVER	(0.1)	131662	0.0004	SM 3113B	06/04/96	0.0001	82282
1055	SULFATE	(250)	131662	68.4	EPA 375.4	06/11/96	1	82282
1095	ZINC	(5)	131662	0.032	EPA 200.7	06/10/96	0.004	82282
1905	COLOR	(15 color units)	131662	80	SM 2120B	05/28/96	5	82282
1920	ODOR (3 th	reshold odor number)	131662	10	SM 2150B	05/28/96	1	82282
1925	PН	(6.5-8.5)	131662	7.4	EPA 150.1	05/28/96		82282
1930	TOTAL DISSO	VED SOLIDS (500)	131662	576	SM 2540C	06/03/96	3	82282
2905	FOAMING AGE	NTS (0.5)	131662	0.1 K	SM 5540C	05/28/96	0.025	82135

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran <u>ID</u> 2950	neter <u>Name</u> Total THMS	(MCL mg/l) (0.10)	Sampl e <u>Number</u> 09248-03	Analysis <u>Result (n</u> 0.0017	Analysis <u>ig/l) Method</u> EPA 502.2	Analysis <u>Date</u> 2 05/31/96	MDL	Lab <u>ID</u> 15 84269
			62	EMICAL ANALY -550.310(5) PWS033)	∕\$IS*			
Param			Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	Name	(MCL pCi/l)	<u>Number</u>	Result (pCi/l)	<u>Method</u>	<u>Date</u>	Error	ID
4000	GROSS ALPHA		131662	20.4 ± 4.5	EPA 900.0	06/04/96	1	83170
4012	PHOTON EMITTE	ERS	NA				<u></u>	00110
4020	RADIUM-226		131662	2.4 ± 0.2	EPA 903.1	06/06/98	1	83170
4030	RADIUM-228		NA		BROOKS/BLANC		1	83170
4101	MAN-MADE BETA	4	NA					

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(B) (PWS028)

			· · · · · ·				
Paran <u>ID</u>	neter <u>Name</u>	(MCL µg/i)	Sample <u>Number</u>	Analysis <u>Result (µq/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u> MDL	Lab ID
ID 2378 2380 2955 2964 2968 2969 2976 2977 2979 2980 2981 2982	Name 1,2,4-TRICHLOROBENZENE CIS-1,2-DICHLOROETHYLE XYLENES (TOTAL) DICHLOROMETHANE O-DICHLOROBENZENE PARA-DICHLOROBENZENE VINYL CHLORIDE 1,1-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHANE 1,2-DICHLOROETHANE 1,1,1-TRICHLOROETHANE CARBON TETRACHLORIDE	(70) NE (70) (10,000) (5) (600) (75) (1) (7) (LENE (100) (3) (200)	09248-03 09248-03 09248-03 09248-03 09248-03 09248-03 09248-03 09248-03 09248-03 09248-03	0.5 U 0.2 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U	EPA 502.2 EPA 502.2	Date MDL 05/31/96 0.5 05/31/96 0.2 05/31/96 0.5 05/31/96 0.5 05/31/96 0.5 05/31/96 0.5 05/31/96 0.5 05/31/96 0.5 05/31/96 0.2 05/31/96 0.3	ID 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269
2982 2983 2984 2985 2987 2989 2990 2990 2991 2992 2996	CARBON TETRACHLORIDE 1,2-DICHLOROPROPANE TRICHLOROETHYLENE 1,1,2-TRICHLOROETHYLENE TETRACHLOROETHYLENE MONOCHLOROBENZENE BENZENE TOLUENE ETHYLBENZENE STYRENE	(3) (5) (3) (100) (1) (1,000) (700) (100)	09248-03 09248-03 09248-03 09248-03 09248-03 09248-03 09248-03 09248-03 09248-03 09248-03	0.3 U 0.3 U 0.2 U 0.3 U 0.2 U 0.5 U 0.5 U 0.5 U 0.5 U	EPA 502.2 EPA 502.2	05/31/96 0.3 05/31/96 0.3 05/31/96 0.2 05/31/96 0.3 05/31/96 0.2 05/31/96 0.5 05/31/96 0.5 05/31/96 0.5 05/31/96 0.5	84269 84269 84269 84269 84269 84269 84269 84269 84269 84269

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

Daram			, ,	A	.			
Param			Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	Name	(MCL µg/I)	Number	Result (µg/I)		<u>Date</u>	<u>MDL</u>	<u>ID</u>
2005	ENDRIN	(2)	09248-03	0.01 U	EPA 508	06/03/96	0.01	84269
2010	LINDANE	(.2)	09248-03	0.01 U	EPA 508	06/03/96	0.01	84269
2015	METHOXYCHLOR	(40)	09248-03	0.02 U	EPA 508	06/03/96	0.02	84269
2020	TOXAPHENE	(3)	09248-03	0.2 U	EPA 508	06/03/96	0.2	84269
2031	DALAPON	(200)	09248-03	1 U	EPA 515.1	06/04/96	1	84269
2032	DIQUAT	(20)	09248-03	8 K1	EPA 549.1	05/30/96	4	84269
2033	ENDOTHALL	(100)	09248-03	10 U	EPA 548	05/29/96	10	84269
2034	GLYPHOSATE	(700)	09248-03	10 U	EPA 547	06/03/96	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	09248-03	1 U	EPA 506	06/03/96	1	84269
2036	OXAMYL (VYDATE)	(200)	09248-03	0.5 U	EPA 531.1	05/30/96	0.5	84269
2037	SIMAZINE	(4)	09248-03	0.1 U	EPA 507	06/03/96	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALAT		09248-03	1.1	EPA 506	06/03/96	1	84269
2040	PICLORAM	(500)	09248-03	0.2 U	EPA 515.1	06/04/96	0.2	84269
2041	DINOSEB	(7)	09248-03	0.2 U	EPA 515.1	06/04/96	0.2	84269
2042	HEXACHLOROCYCLOPENTADI	ene (50)	09248-03	0.1 U	EPA 505	06/03/96	0.1	84269
2046	CARBOFURAN	(40)	09248-03	0.5 U	EPA 531.1	05/30/96	0.5	84269
2050	ATRAZINE	(3)	09248-03	0.1 U	EPA 507	06/03/96	0.1	84269
2051	ALACHLOR	(2)	09248-03	0.3 U	EPA 507	06/03/96	0.3	84269
2063	2,3,7,8-TCDD (DIOXIN)	(.00003)	09248-03		EPA			84269
2065	HEPTACHLOR	(.4)	09248-03	0.01 U	EPA 508	06/03/96	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	09248-03	0.01 U	EPA 508	06/03/96	0.01	84269
2105	2,4-D	(70)	09248-03	0.5 U	EPA 515.1	06/04/96	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	09248-03	0.05 U	EPA 515.1	06/04/96	0.05	84269
2274	HEXACHLOROBENZENE	(1)	09248-03	0.01 U	EPA 508	06/03/96	0.01	84269
2306	BENZO(A)PYRENE	(.2)	09248-03	0.01 U	EPA 550	06/03/96	0.01	84269
2326	PENTACHLOROPHENOL	(1)	09248-03	0.05 U	EPA 515.1	06/04/96	0.05	84269
2383	PCB	(.5)	09248-03	0.05 U	EPA 508	06/03/96	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	09248-03	0.005 U	EPA 504	06/04/96	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	09248-03		EPA 504	06/04/96	0.005	84269
2959	CHLORDANE	(2)	09248-03	0.05 U	EPA 508	06/03/96	0.05	84269
		. ,	-				4.44	- 1200

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param	eter		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name</u>	<u>(MCL µg/l)</u>	<u>Number</u>	<u>Resuit (µg/I)</u>	<u>Method</u>	Date	<u>MDL</u>	ID
2021	CARBARYL		09248-03	0.5 U	EPA 531.1	05/30/96	0.5	84269
2022	METHOMYL		09248-03	0.5 U	EPA 531.1	05/30/96	0.5	84269
2043	ALDICARB SULFOXIDE		09248-03	0.5 U	EPA 531.1	05/30/96	0.5	84269
2044	ALDICARB SULFONE		09248-03	0.5 U	EPA 531.1	05/30/96	0.5	84269
2045	METOLACHLOR		09248-03	0.3 U	EPA 507	06/03/96	0.3	84269
2047	Aldicarb		09248-03	0.5 U	EPA 531.1	05/30/96	0.5	84269
2066	3-HYDROXYCARBOFURAN		09248-03	0.5 U	EPA 531.1	05/30/96	0.5	84269
2077	PROPACHLOR		09248-03	0.05 U	EPA 508	06/03/96	0.05	84269
2356	Aldrin		09248-03	0.01 U	EPA 508	06/03/96	0.01	84269
2364	DIELDRIN		09248-03	0.01 U	EPA 508	06/03/96	0.01	84269
2440	DICAMBA		09248-03	0.05 U	EPA 515.1	06/04/96	0.05	84269
2595	Metribuzin		09248-03	0.2 U	EPA 507	06/03/96	0.2	84269

U - Analyte was not detected; indicated concentration is method detection limit.

K - Analyte was less than indicated concentration; indicated concentration is MDL x Sample Dilution Factor.

¹ - Reduced sample volume used for analysis due to interference from sediment.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran		Sample	Analysis	Analysis	Analysis		Lab
<u>1D</u>	<u>Name (MCL μg/l)</u>	<u>Number</u>	<u>Result (µg/l)</u>	Method	<u>Date</u>	<u>MDL</u>	<u>ID</u>
2210	Chloromethane	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2212	DICHLORODIFLUOROMETHANE	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2214	BROMOMETHANE	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2216	CHLOROETHANE	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2218	TRICHLOROFLUOROMETHANE	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2408	DIBROMOMETHANE	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2410	1,1-DICHLOROPROPYLENE	09248-03	0.3 U	EPA 502.2	05/31/96	0.3	84269
2412	1,3-DICHLOROPROPANE	09248-03	0.3 U	EPA 502.2	05/31/96	0.3	84269
2413	1,3-DICHLOROPROPENE	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	09248-03	0.3 U	EPA 502.2	05/31/96	0.3	84269
2416	2,2-DICHLOROPROPANE	09248-03	0.3 U	EPA 502.2	05/31/96	0.3	84269
2941		09248-03	1.7	EPA 502.2	05/31/96	0.2	84269
2942	BROMOFORM	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2943	BROMODICHLOROMETHANE	09248-03	0.3 U	EPA 502.2	05/31/96	0.3	84269
2944	DIBROMOCHLOROMETHANE	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2965	O-CHLOROTOLUENE	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2966	P-CHLOROTOLUENE	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2967	M-DICHLOROBENZENE	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269
2978	1,1-DICHLOROETHANE	09248-03	0.3 U	EPA 502.2	05/31/96	0.3	84269
2986	1,1,1,2-TETRACHLOROETHANE	09248-03	0.3 U	EPA 502.2	05/31/96	0.3	84269
2988	1,1,2,2-TETRACHLOROETHANE	09248-03	0.3 U	EPA 502.2	05/31/96	0.3	84269
2993	BROMOBENZENE	09248-03	0.5 U	EPA 502.2	05/31/96	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name (MCL µg/l)</u>	<u>Number</u>	Result (µg/I)	<u>Method</u>	<u>Date</u>	<u>MDL</u>	<u>1D</u>
2262	ISOPHORONE	09248-03	1 U	EPA 609	06/03/96	1	84269
2270	2,4-DINITROTOLUENE	09248-03	1 U	EPA 609	06/03/96	1	84269
2282	DIMETHYLPHTHALATE	09248-03	1 U	EPA 506	06/03/96	1	84269
2284	DIETHYLPHTHALATE	09248-03	1 U	EPA 506	06/03/96	1	84269
2290	DI-N-BUTYLPHTHALATE	09248-03	1 U	EPA 506	06/03/96	1	84269
2294	BUTYL BENZYL PHTHALATE	09248-03	1 U	EPA 506	06/03/96	1	84269
9089	DIOCTYLPHTHALATE	09248-03	1 U	EPA 506	06/03/96	1	84269
9108*	2-CHLOROPHENOL	09248-03	5 U	EPA 604	06/03/96	5	84269
9112*	2-METHYL-4,6-DINITROPHENOL	09248-03	20 U	EPA 604	06/03/96	20	84269
9115*	Phenol	09248-03	5 U	EPA 604	06/03/96	5	84269
9116*	2,4,6-TRICHLOROPHENOL	09248-03	10 U	EPA 604	06/03/96	10	84269

COLIFORM ANALYSIS

Рага	meter	Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name (MCL µg/l)</u>	Number	<u>Result (µg/l)</u>	<u>Method</u>	Date	<u>MDL</u>	<u>ID</u>
	TOTAL COLIFORMS (MPN)	131662	21		05/28/96	1	82135
	FECAL COLIFORMS (MPN)	131662	2 U		05/28/96	1	82135



3437 s.w. 24th avenue • gainesville, florida 32607 • 904-372-0436 • fax 904-378-6483

Report No. 78731 Date JUN 03 1996 Subject: WATER REC'D 02:10PM BY D. ROBERTS ANALYSIS BEGUN 02:25PM Received: MAY 28 1996

 PAUL BERMAN
 Client # 2643

 PPB ENVIRONMENTAL LAB
 Phone: (352) 377-2349

 6821 SW ARCHER ROAD
 Phone: (352) 395-6639

 GAINESVILLE, FL
 32608

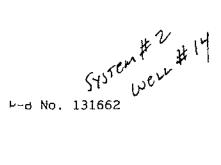
RESULTS OF ANALYSIS

SYSTEM #8"	,
Sample 1 WELL 14 5/27/96 11:30 ID #131660	
TOTAL COLIFORMS (MPN) FECAL COLIFORMS (MPN)	>1,600 / 100ml 17 / 100ml
Sample 2 SYSTEM 9 5/27/96 12:45 ID #131661	
TOTAL COLIFORMS (MPN) FECAL COLIFORMS (MPN)	>1,600 / 100ml >1,600 / 100ml
Sample 3 SYSTEM 2 5/27/96 13:30 ID #131662	
TOTAL COLIFORMS (MPN) FECAL COLIFORMS (MPN)	21 / 100ml <2 / 100ml
Sample 4 SYSTEM 15 5/27/96 14:30 ID #131663 #2 weve #15	
TOTAL COLIFORMS (MPN) FECAL COLIFORMS (MPN)	21 / 100ml <2 / 100ml

Additional Notes & Comments for Sample Report 78731

ALL SAMPLES WERE RECEIVED OUT OF HOLDING TIME FOR COMPLIANCE PURPOSES.

Page #1 Report Continues



TRIHALOMETHANE ANALYSIS 62-550.310(2)(a)

(PWS027)

Parameter <u>ID NAME (MCL ug/l)</u>	•	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2950 Total THMs (0.10)	09248-03	0.0017	EPA 502.2	5/31/96	0.0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b) (PWS028)

Param <u>ID</u>	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2378	1,2,4-Trichlorobenzene (70)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2380	cis-1,2-Dichloroethene (70)	09248-03	0.2 U	EPA 502.2	5/31/96	0.2	84269
í 5	Xylenes (Total) (10,000)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2964	Dichloromethane (5)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
68ءے	o-Dichlorobenzene (600)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2969	p-Dichlorobenzene (75)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2976	Vinyl chloride (1)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2977	1,1-Dichloroethene (7)	09248~03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2979	trans-1,2-Dichloroethene (100)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2980	1,2-Dichloroethane (3)	09248-03	0.2 U	EPA 502.2	5/31/96	0.2	84269
2981	1.1,1-Trichloroethane (200)	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
2982	Carbon tetrachloride (3)	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
2983	1,2-Dichloropropane (5)	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
2984	Trichloroethene (3)	09248-03	0.2 U	EPA 502.2	5/31/96	0.2	84269
2985	1,1,2-Trichloroethane (5)	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
2987	Tetrachloroethene (3)	0924803	0.2 U	EPA 502.2	5/31/96	0.2	84269
2989	Monochlorobenzene (100)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2990	Benzene (1)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2991	Toluene (1,000)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
i i	Ethylbenzene (700)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2096	Styrene (100)	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269

™B No. 131662

. . .

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

Paran ID	meter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis Result(ug/l)	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2005	Endrin (2)	09248-03	0.01 U	EPA 508	6/3/96	0.01	84269
2010	Lindane (.2)	09248-03	0.01 U	EPA 508	6/3/96	0.01	84269
2015	Methoxychlor (40)	09248-03	0.02 U	EPA 508	6/3/96	0.02	84269
2020	Toxaphene (3)	09248-03	0.2 U	EPA 508	6/3/96	0.2	84269
2031	Dalapon (200)	09248-03	1 U	EPA 515.1	6/4/96	1	84269
2032	Diquat (20)	09248-03	8 K'	EPA 549.1	5/30/96	4	84269
2033	Endothall (100)	09248-03	10 U	EPA 548	5/29/96	10	84269
2034	Glyphosate (700)	09248-03	10 U	EPA 547	6/3/96	10	84269
2035	Di(2-ethylhexyl)adipate (400)	09248-03	1 U	EPA 506	6/3/96	1	84269
2036	Oxamyl (Vydate) (200)	09248-03	0.5 U	EPA 531.1	5/30/96	0.5	84269
2037	Simazine (4)	09248-03	0.1 U	EPA 507	6/3/96	0.1	84269
3	Di(2-ethylhexyl)phthalate (6)	09248-03	1.1	EPA 506	6/3/96	1	84269
10	Picloram (500)	09248-03	0.2 U	EPA 515.1	6/4/96	0.2	84269
2041	Dinoseb (7)	09248-03	0.2 U	EPA 515.1	6/4/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	09248-03	0.1 U	EPA 505	6/3/96	0.1	84269
2046	Carbofuran (40)	09248~03	0.5 U	EPA 531.1	5/30/96	0.5	84269
2050	Atrazine (3)	09248-03	0.1 U	EPA 507	6/3/96	0.1	84269
2051	Alachlor (2)	09248-03	0.3 U	EPA 507	6/3/96	0.3	84269
2065	Heptachlor (.4)	09248-03	0.01 U	EPA 508	6/3/96	0.01	84269
2067	Heptachlor epoxide (.2)	09248-03	0.01 U	EPA 508	6/3/96	0.01	84269
2105	2,4-D (70)	09248-03	0.5 U	EPA 515.1	6/4/96	0.5	84269
2110	2,4,5-TP (Silvex) (50)	09248-03	0.05 U	EPA 515.1	6/4/96	0.05	84269
2274	Hexachlorobenzene (1)	09248-03	0.01 U	EPA 508	6/3/96	0.01	84269
2306	Benzo(a)pyrene (.2)	09248-03	0.01 U	EPA 550	6/3/96	0.01	84269
2326	Pentachlorophenol (1)	09248-03	0.05 U	EPA 515.1	6/4/96	0.05	84269
2383	PCBs (.5)	09248-03	0.05 U	EPA 508	6/3/96	0.05	84269
2931	Dibromochloropropane (.2)	09248-03	0.005 U	EPA 504	6/4/96	0.005	84269
2946	Ethylene dibromide (.02)	09248-03	0.005 U	EPA 504	6/4/96	0.005	84269
	Chlordane (2)	09248-03	0.05 U	EPA 508	6/3/96	0.05	84269
Ar	nalyte was not detected; indicat	ed concent	tration is me	thod detect			• •

K - Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor. ¹ Reduced sample volume used for analysis due to interference from sediment.

⊢ ⊍ No. 131662

. . .

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

meter NAME (MCLug/l)	Sample <u>Number</u>	Analysis <u>Result (ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
Carbaryl	09248-03	0.5 U	EPA 531.1	5/30/96	0.5	84269
Methomy?	09248-03	0.5 U	EPA 531.1	5/30/96	0.5	84269
Aldicarb sulfoxide	09248-03	0.5 U	EPA 531.1	5/30/96	0.5	84269
Aldicarb sulfone	09248-03	0.5 U	EPA 531.1	5/30/96	0.5	84269
Metolachlor	09248-03	0.3 U	EPA 507	6/3/96	0.3	84269
Aldicarb	09248-03	0.5 U	EPA 531.1	5/30/96	0.5	84269
3-Hydroxycarbofuran	0924803	0.5 U	EPA 531.1	5/30/96	0.5	84269
Propach1or	09248-03	0.05 U	EPA 508	6/3/96	0.05	84269
Aldrin	09248-03	0.01 U	EPA 508	6/3/96	0.01	84269
Dieldrin	09248-03	0.01 U	EPA 508	6/3/96	0.01	84269
Dicamba	09248-03	0.05 U	EPA 515.1	6/4/96	0.05	84269
Metribuzin	09248-03	0.2 U	EPA 507	6/3/96	0.2	84269
	Carbaryl Methomyl Aldicarb sulfoxide Aldicarb sulfone Metolachlor Aldicarb 3-Hydroxycarbofuran Propachlor Aldrin Dieldrin Dicamba	NAME (MCL ug/1)NumberCarbaryl09248-03Methomyl09248-03Aldicarb sulfoxide09248-03Aldicarb sulfone09248-03Aldicarb sulfone09248-03Metolachlor09248-03Aldicarb09248-03Aldicarb09248-03Aldicarb09248-03Aldicarb09248-03Aldicarb09248-03J-Hydroxycarbofuran09248-03Propachlor09248-03Dieldrin09248-03Dicamba09248-03	NAME (MCL ug/1) Number Result (ug/1) Carbaryl 09248-03 0.5 U Methomyl 09248-03 0.5 U Aldicarb sulfoxide 09248-03 0.5 U Aldicarb sulfoxide 09248-03 0.5 U Aldicarb sulfone 09248-03 0.5 U Metolachlor 09248-03 0.5 U Aldicarb 09248-03 0.3 U Aldicarb 09248-03 0.5 U Metolachlor 09248-03 0.5 U J-Hydroxycarbofuran 09248-03 0.5 U Propachlor 09248-03 0.05 U Aldrin 09248-03 0.01 U Dieldrin 09248-03 0.01 U	NAME (MCL ug/l) Number Result (ug/l) Method Carbaryl 09248-03 0.5 U EPA 531.1 Methomyl 09248-03 0.5 U EPA 531.1 Aldicarb sulfoxide 09248-03 0.5 U EPA 531.1 Aldicarb sulfoxide 09248-03 0.5 U EPA 531.1 Aldicarb sulfone 09248-03 0.5 U EPA 531.1 Aldicarb sulfone 09248-03 0.5 U EPA 531.1 Metolachlor 09248-03 0.5 U EPA 531.1 Metolachlor 09248-03 0.5 U EPA 531.1 Metolachlor 09248-03 0.5 U EPA 531.1 J-Hydroxycarbofuran 09248-03 0.5 U EPA 531.1 Propachlor 09248-03 0.05 U EPA 508 Aldrin 09248-03 0.01 U EPA 508 Dieldrin 09248-03 0.01 U EPA 508 Dicamba 09248-03 0.05 U EPA 508	NAME (MCL ug/1) Number Result (ug/1) Method Date Carbaryl 09248-03 0.5 U EPA 531.1 5/30/96 Methomyl 09248-03 0.5 U EPA 531.1 5/30/96 Aldicarb sulfoxide 09248-03 0.5 U EPA 531.1 5/30/96 Aldicarb sulfone 09248-03 0.5 U EPA 531.1 5/30/96 Aldicarb sulfone 09248-03 0.5 U EPA 531.1 5/30/96 Aldicarb sulfone 09248-03 0.5 U EPA 531.1 5/30/96 Metolachlor 09248-03 0.5 U EPA 507 6/3/96 Aldicarb 09248-03 0.5 U EPA 531.1 5/30/96 Aldicarb 09248-03 0.5 U EPA 531.1 5/30/96 Aldicarb 09248-03 0.5 U EPA 531.1 5/30/96 Propachlor 09248-03 0.05 U EPA 508 6/3/96 Propachlor 09248-03 0.01 U EPA 508 6/3/96 Dieldrin 09248-03 0.05 U	NAME (MCL ug/l) Number Result (ug/l) Method Date MDL Carbaryl 09248-03 0.5 U EPA 531.1 5/30/96 0.5 Methomyl 09248-03 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb sulfoxide 09248-03 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb sulfone 09248-03 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb sulfone 09248-03 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb sulfone 09248-03 0.5 U EPA 507 6/3/96 0.3 Aldicarb 09248-03 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb 09248-03 0.5 U EPA 507 6/3/96 0.5 3-Hydroxycarbofuran 09248-03 0.5 U EPA 508 6/3/96 0.5 Propachlor 09248-03 0.05 U EPA 508 6/3/96 0.01 Dieldrin 09248-03 0.01 U EPA 508 6/3/96

513 No. 131662

.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWSO34)

Paran ID	weter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis Date	_MDL	Lab ID
2210	Chloromethane	0924803	0.5 U	EPA 502.2	5/31/96	0.5	84269
2212	Dichlorodifluoromethane	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2214	Bromomethane	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2216	Chloroethane	0924803	0.5 U	EPA 502.2	5/31/96	0.5	84269
2218	Trichlorofluoromethane	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2251	Methyl-tert-butyl-ether	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2408	Dibromomethane	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2410	1,1-Dichloropropene	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
2412	1,3-Dichloropropane	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
. 3	1,3-Dichloropropene	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
<u>'</u> 4	1,2,3-Trichloropropane	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
2416	2,2~Dichloropropane	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
2941	Chloroform	09248-03	1.7	EPA 502.2	5/31/96	0.2	84269
2942	Bromoform	0924803	0.5 U	EPA 502.2	5/31/96	0.5	84269
2943	Bromodichloromethane	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
2944	Dibromochloromethane	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2965	o-Chlorotoluene	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2966	p-Chlorotoluene	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269
2967	m-Dichlorobenzene	0924803	0.5 U	EPA 502.2	5/31/96	0.5	84269
2978	1,1-Dichloroethane	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
2986	1,1,1,2-Tetrachloroethane	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
2988	1,1,2,2-Tetrachloroethane	09248-03	0.3 U	EPA 502.2	5/31/96	0.3	84269
2993	Bromobenzene	09248-03	0.5 U	EPA 502.2	5/31/96	0.5	84269

⊢ _ No. 131662

. .

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWSO36 & 037*)

Paran ID	æter <u>NAME (MCL ug/l)</u>	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2262	Isophorone	09248-03	1 U	EPA 609	6/3/96	1	84269
2270	2,4-Dinitrotoluene	09248-03	1 U	EPA 609	6/3/96	1	84269
2282	Dimethylphthalate	09248-03	1 U	EPA 506	6/3/96	1	84269
2284	Diethylphthalate	09248~03	1 U	EPA 506	6/3/96	1	84269
2290	Di-n-butylphthalate	09248-03	1 U	EPA 506	6/3/96	1	84269
2294	Butyl benzyl phthalate	09248-03	1 U	EPA 506	6/3/96	1	84269
9089	Di-n-octylphthalate	09248-03	1 U	EPA 506	6/3/96	1	84269
9108*	2-Chlorophenol	09248-03	5 U	EPA 604	6/3/96	5	84269
9112*	2-Methyl-4,6-dinitrophenol	09248-03	20 U	EPA 604	6/3/96	20	84269
*	Phenol	09248-03	5 U	EPA 604	6/3/96	5	84269
16*	2,4,6-Trichlorophenol	09248-03	10 U	EPA 604	6/3/96	10	84269



3437 s.w. 24th avenue •	gainesville, florida 32607	•	352-372-0436	•	fax 352-378-6483
78728 Southeast drilling May 28 1996					JUN 03 1996 Dep # 82135/6924
			(21)	4 8 - 2 - 7	1999 - 1994 - 247 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -

5.1

TOM PARK FES ENVIRONMENTAL LAB 6821 SW ARCHER ROAD BAINESVILLE, FL 32608

RESULTS OF ANALYSIS	ANALYSIS METHOD	<u>sesilt</u>	ANALYST	<u>-nalvele batentime</u>
543 # 8				
Sample 1 WELL 14 05/27/96 11 FOAMING AGENTS (SURFACTANTS)		< .100 MG/L	$e_{a}^{\frac{1}{2}}e^{\frac{1}{2}t}$:1779/9p (010/048
Sample 2 SYSTEM 9 05/27/96 0 FOAMING AGENTS (SURFACTANTS)	EPA 425.1	< .100 MG/L	ೆಗೆ	05/29/96 :01304*
F ING AGENTS (SURFACTANTS)	<u>OPM</u> EPA 425.1	< .100 MG/L	-بول .	05/29/98 logic4*
<pre>{ ple 4 SYS 2 15 05/27/96 FOAMING AGENTS (SURFACTANTS)</pre>		< ,100 MG/L	(4) ²⁹	05/29/98 (05)04/

Respectfully Submitted for ABC Research

Ville Maria

Victor Kowalski, PhD Director, Quality Control

Envirodyne Inc.

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

Post if re:	x Note	7671	Dete
To P	MMY		MOCI TH
Co./Dept.			Co.
Phone #	+ D	<u>a S</u>	Phone #
Fext#		1	Fax #

Attention: Bart Ziegler

Project: PBCWF Expansion - System 2 2956 Pinchurst Drive West Palm Beach, FL

Collected by: Bart Ziegier

Collected on: 06/06/97 Received on: 06/06/97

SAMPLE ID: Prod. Well #14

Date of Analysis: 06/08/97

System +2, Will + 14 Resample.

601 PURGEABLE HALOCARBONS

ARAMETER	RESULT	DL UNITS	ANALYST	
Bromodichloromethane	BDL	0.5 µg/L	TAV	
Bromoform	BDL	0.5 µg/Ъ	TAV	
Bromomethane	BDL	0.5 µg/L	TAV	
Carbon tetrachloride	BDL	$0.5 \ \mu g/L$	TAV	
Chlorobenzane	BDL	0.5 µg/L	TAV	
Chloroethane	BDL	0.5 µg/L	TAV	
2-Chloroethylvinyl ether	BDL	0.5 µg/L	TAV	
Chloroform	BDL	0.5 µg/L	ΤΑΥ	
Chloromethane	BDL	0.5 µg/L	TAV	
Dibromochloromethane	BDL	0.5 µg/L	TAV	
1.2-Dichlorobenzene	BDL	0.5 µg/L	TAV	
1,3-Dichlorobenzene	BDL	0.5 µg/L	ΤΑΥ	
1,4-Dichlorobenzene	BDL	0.5 µg/L	TAV	
Dichloradifluoromethane	BDL	0.5 µg/L	ΤΑΥ	
1,1-Dichloroethane	BDL	0.5 µg/L	TAV	
1,2-Dichloroethane	BDL	0.5 µg/L	ΤΑΥ	
1,1-Dichloroethylene	BDL	$0.5 \mu g/L$	TAV	
trans-1,2-Dichloroethene	BDL	0.5 µg/L	ΤΑΥ	
1,2-Dichloropropane	BDL	0.5 µg/L	TAV	
cis-1,3-Dichloropropene	BDL	0.5 µg/L	TAV	
trans-1,3-Dichloropropene	BDL	0.5 µg/L	TAV	
Methylene chloride	BDL	0.5 µg/L	TAV	
1,1,2,2-Tetrachloroethane	BDL	0.5 µg/L	TAV	
Tetrachloroethylene	BDL	0.5 µg/L	TAV	
1,1,1-Trichloroethane	BDL	0.5 µg/L	TAV	
1,1,2-Trichloroethane	BDL	0.5 µg/L	TAV	
Trichloroethylene	BDL	0.5 µg/L	TAV	
Trichlorofluoromethane	BDL	0.5 µg/L	TAV	
Vinyl chloride	BDL	0.5 µg/L	TAV	

Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. E86188 Laboratory Certification No. 86405



Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

June 11, 1997

Report: 9706000063

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

Attention: Bart Ziegler

Sample No: 9706000063 1 Project: PBCWF Expansion - System 2

2956 Pinchurst Drive West Palm Beach, FL

SAMPLE ID: Prod. Well #14

Collected by: Bart Ziegler

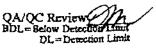
Collected on: 06/06/97 Received on: 06/06/97

Date of Analysis: 06/08/97

System 2, Well +14 Resample

602 VOLATILE ORGANIC COMPOUNDS

PARAMETER	RESULT	DL UNITS	ANALYST	
Benzene	BDL	0.5 µg/L	TAV	
Chlorobenzene	BDL	0.5 µg/L	TAV	
1,2-Dichlorobenzene	BDL	0.5 µg/L	TAV	
1,3-Dichlorobenzene	BDL	0.5 µg/L	TAV	
1,4-Dichlorobenzene	BDL	$0.5 \mu g/L$	TAV	
Ethylbenzana	BDL	0.5 µg/L	TAV	
Methyl-tert-butyl ether	BDL	0.5 µg/L	TAV	
Toluene	BDL	$0.5 \mu g/L$	TAV	
Xylenes, Total	BDL	0.5 µg/L	TAV	
Total BTEX	BDL	µg/L	TAV	



LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

System Name:		I.D. #:	
Address:	ity () Nontransient Noncomm	Phone #: ()
ype (check one). () Commun	ky () Nontransient Noncomm	iunity () Noncommunity	
SAMPLE INFORMATION (to be	completed by sampler)		
Sample Date (MMDDYY):/	/ Sample Time:		
Sample Location (be specific):		······································	
Sampler's Signature:		т	itle:
Check Type(s): ())Distributio ())Clearance ())Distrib en	e () Thm Max Res	CL () Resample Time () Plant Tap () Composite of Multiple Site	of Lab Invalidated Sample es-Attach a format for each site
		ted by lab) – ATTACH HRS ANA	
ab Name:PPB Environmenta	Laboratories, Inc.	_ HRS #: <u>82282</u> Ex	piration Date:
ddress: 6821 SW Archer R	oad, Gainesville, FL 32608	Pho	one #: <u>(352) 377-2349</u>
Subcontracted Lab HRS #:8317	<u>70, 82135, 84269</u> ATTA	CH HRS ANALYTE SHEET FOR S	UBCONTRACTED LAB, TOO*
		CH HRS ANALYTE SHEET FOR S	
NALYSIS INFORMATION (to b	e completed by lab) – SAMPLI		ITEM #2 Well #1.
NALYSIS INFORMATION (to b	e completed by lab) – SAMPLI	E NUMBER:131663 57	Iten #2 Well #1.
NALYSIS INFORMATION (to b ate Sample(s) Received: <u>5/28</u> () Nitrate Only	e completed by lab) – SAMPLE /96 Group(s) Analy: () Nitrite Only Volatile Organics–	E NUMBER:131663 552	LEM # 2. WELL # /. ince with 62-550, F.A.C.: (x) Trihalomethanes Pesticide/PCBs-
NALYSIS INFORMATION (to b bate Sample(s) Received: <u>5/28</u> () Nitrate Only Inorganics– () All 17 (x) Partial	e completed by lab) – SAMPLE /96 Group(s) Analy: () Nitrite Only Volatile Organics- (x) All 21 () Partial Group II Unregulateds-	E NUMBER: <u>131663 550</u> zed & Results attached for complia () Asbestos Only Secondaries-	LECM # 2. WELL # /. Ince with 62-550, F.A.C.: (x) Trihalomethanes Pesticide/PCBs- () All 30 (x) Partial Radiochemicals- (x) Single Sample
NALYSIS INFORMATION (to b bate Sample(s) Received: <u>5/28</u> () Nitrate Only Inorganics- () All 17 (x) Partial Group I Unregulateds	e completed by lab) – SAMPLE /96 Group(s) Analys () Nitrite Only Volatile Organics (x) All 21 () Partial Group II Unregulateds (x) All 23 () Partial	E NUMBER: <u>131663 50</u> zed & Results attached for complia () Asbestos Only Secondaries– (x) All 14 () Partial Group III Unregulateds–	DECM # 2. WELL # /. Ince with 62-550, F.A.C.: (x) Trihalomethanes Pesticide/PCBs- () All 30 (x) Partial Radiochemicals- (x) Single Sample () Qtrly Composite**
NALYSIS INFORMATION (to b bate Sample(s) Received: <u>5/28</u> () Nitrate Only Inorganics- () All 17 (x) Partial Group I Unregulateds	e completed by lab) – SAMPLE /96 Group(s) Analys () Nitrite Only Volatile Organics- (x) All 21 () Partial Group II Unregulateds- (x) All 23 () Partial	E NUMBER: <u>131663 50</u> zed & Results attached for complia () Asbestos Only Secondaries– (x) All 14 () Partial Group III Unregulateds– (x) All 11 () Partial	LTCM # 2. WCLL # /. Ince with 62-550, F.A.C.: (x) Trihalomethanes Pesticide/PCBs- () All 30 (x) Partial Radiochemicals- (x) Single Sample () Qtrly Composite** tes & locations for each quarter
ANALYSIS INFORMATION (to b bate Sample(s) Received: <u>5/28</u> () Nitrate Only Inorganics- () Alf 17 (x) Partial Group I Unregulateds () All 13 (x) Partial	e completed by lab) – SAMPLE /96 Group(s) Analys () Nitrite Only Volatile Organics- (x) All 21 () Partial Group II Unregulateds- (x) All 23 () Partial	E NUMBER: <u>131663 50</u> zed & Results attached for complia () Asbestos Only Secondaries– (x) All 14 () Partial Group III Unregulateds– (x) All 11 () Partial **Provide radiochemical sample da	LTCM # 2. WCLL # /. Ince with 62-550, F.A.C.: (x) Trihalomethanes Pesticide/PCBs- () All 30 (x) Partial Radiochemicals- (x) Single Sample () Qtrly Composite** tes & locations for each quarter
ANALYSIS INFORMATION (to b bate Sample(s) Received: <u>5/28</u> () Nitrate Only Inorganics- () Alf 17 (x) Partial Group I Unregulateds () All 13 (x) Partial	e completed by lab) – SAMPLE /96 Group(s) Analys () Nitrite Only Volatile Organics- (x) All 21 () Partial Group II Unregulateds- (x) All 23 () Partial	E NUMBER: <u>131663 50</u> zed & Results attached for complia () Asbestos Only Secondaries– (x) All 14 () Partial Group III Unregulateds– (x) All 11 () Partial	LTCM # 2. WCLL # /. Ince with 62-550, F.A.C.: (x) Trihalomethanes Pesticide/PCBs- () All 30 (x) Partial Radiochemicals- (x) Single Sample () Qtrly Composite** tes & locations for each quarter
ANALYSIS INFORMATION (to b bate Sample(s) Received: <u>5/28</u> () Nitrate Only Inorganics- () Alf 17 (x) Partial Group I Unregulateds () All 13 (x) Partial 1, <u>Paul Berma</u> Signature <u>Pau</u>	e completed by lab) – SAMPLE /96 Group(s) Analys () Nitrite Only Volatile Organics- (x) All 21 () Partial Group II Unregulateds- (x) All 23 () Partial n do R Bernand	E NUMBER: <u>131663 50</u> zed & Results attached for complia () Asbestos Only Secondaries– (x) All 14 () Partial Group III Unregulateds– (x) All 11 () Partial	LTCM # 2. WCLL # /. Ince with 62-550, F.A.C.: (x) Trihalomethanes Pesticide/PCBs- () All 30 (x) Partial Radiochemicals- (x) Single Sample () Qtrly Composite** tes & locations for each quarter ed analytical data are correct.
ANALYSIS INFORMATION (to be bate Sample(s) Received: <u>5/28</u> () Nitrate Only Inorganics- () All 17 (x) Partial Group I Unregulateds- () All 13 (x) Partial I, <u>Paul Berma</u> Signature <u>Paul</u> Title <u>QA Officer</u>	e completed by lab) – SAMPLE /96 Group(s) Analys () Nitrite Only Volatile Organics- (x) All 21 () Partial Group II Unregulateds- (x) All 23 () Partial m do	E NUMBER: <u>131663 50</u> zed & Results attached for complia () Asbestos Only Secondaries– (x) All 14 () Partial Group III Unregulateds– (x) All 11 () Partial	Defined # 2. Well # A ince with 62-550, F.A.C.: (x) Trihalomethanes Pesticide/PCBs- () All 30 (x) Partial Radiochemicals- (x) Single Sample () Qtrly Composite** tes & locations for each quarter ed analytical data are correct. Date <u>6/14/96</u>
NALYSIS INFORMATION (to be tate Sample(s) Received:5/28 () Nitrate Only Inorganics- () All 17 (x) Partial Group I Unregulateds () All 13 (x) Partial I,Paul Berma Signature TitleQA Officer OMPLIANCE INFORMATION (to ample Collection Satisfactory:	e completed by lab) – SAMPLE /96 Group(s) Analys () Nitrite Only Volatile Organics- (x) All 21 () Partial Group II Unregulateds- (x) All 23 () Partial n , do	E NUMBER:	Defined # 2. Well # A ince with 62-550, F.A.C.: (x) Trihalomethanes Pesticide/PCBs- () All 30 (x) Partial Radiochemicals- (x) Single Sample () Qtrly Composite** tes & locations for each quarter ed analytical data are correct. Date <u>6/14/96</u>
ANALYSIS INFORMATION (to b bate Sample(s) Received: <u>5/28</u> () Nitrate Only Inorganics- () All 17 (x) Partial Group I Unregulateds- () All 13 (x) Partial I, <u>Paul Berma</u> Signature <u>Paul</u> Title <u>QA Officer</u>	e completed by lab) – SAMPLE /96 Group(s) Analys () Nitrite Only Volatile Organics- (x) All 21 () Partial Group II Unregulateds- (x) All 23 () Partial n , do 2 Berman	E NUMBER:	Defined # 2. Well # A ince with 62-550, F.A.C.: (x) Trihalomethanes Pesticide/PCBs- () All 30 (x) Partial Radiochemicals- (x) Single Sample () Qtrly Composite** tes & locations for each quarter ed analytical data are correct. Date <u>6/14/96</u>

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample. Effective January 1995

.

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>1D</u>	<u>Name</u>	(MCL mg/l)	Number	Result (mg/l)	Method	Date	<u>(mg/l)</u>	ID
1005	ARSENIC	(.05)	131663	0.010	SM 3113B	06/08/96	0.001	82282
1010	BARIUM	(2)	131663	0.112	EPA 200.7	06/10/96	0.001	82282
1015	CADMIUM	(.005)	131663	0.0006	SM 3113B	05/30/96	0.0001	82282
1020	CHROMIUM	(0.1)	131663	0.062	EPA 200.7	06/10/96	0.005	82282
1024	CYANIDE	(0.2)	131663	0.004 U	SM 4500CNE	06/04/96	0.004	82282
1025	FLUORIDE	(4)	131663	1.09	SM 4500FC	06/14/96	0.02	82282
1030	Lead	(0.015)	131663	0.010	SM 3113B	06/11/96	0.001	82282
1035	MERCURY	(0.002)	131663	0.0001 K	EPA 245.1	06/10/96	0.00005	82282
1036	NICKEL	(0.1)	131663	0.030 U	EPA 200.7	06/10/96	0.030	82282
1040	NITRATE	(10)	131663	0.263	EPA 353.2	06/06/96	0.004	82282
1041	NITRITE	(1)	131663	0.227	EPA 353.2	05/29/96	0.003	82282
1045	SELENIUM	(0.05)	131663	0.005 K	SM 3113B	06/08/96	0.001	82282
1052	SODIUM	(160)	131663	149	EPA 200.7	06/10/96	0.05	82282
1074	ANTIMONY	(0.006)	131663	0.003 U	SM 3113B	06/12/96	0.003	82282
1075	BERYLLIUM	(0.004)	131663	0.003 U	EPA 200.7	06/10/96	0.003	82282
1085	THALLIUM	(0.002)	131663	0.002 U	EPA 200.9	06/12/96	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	eter		Sample	Analysis*	Analysis	Analysis	MDL.	Lab
<u>1D</u>	<u>Name</u>	<u>(MCL mg/l)</u>	Number	Result (mg/l)	Method	Date	<u>(mg/l)</u>	ID
<u>1002</u>	ALUMINUM	(0.2)	131663	24.1	EPA 200.7	06/10/96	0.01	82282
1017	CHLORIDE	(250)	131663	1.02	EPA 325.2	05/30/96	0.3	82282
1022	Copper	(1)	131663	0.02 K	EPA 200.7	06/10/96	0.01	82282
1020	Fluoride	(2.0)	131663	1.09	SM 4500FC	06/14/96	0.02	82282
1028	IRON	(0.3)	131663	10.6	EPA 200.7	06/10/96	0.005	82282
1032	MANGANESE	(0.05)	131663	0.084	EPA 200.7	06/10/96	0.005	82282
1050	SILVER	(0.1)	131663	0.0001 U	SM 3113B	06/04/96	0.0001	82282
1055	SULFATE	(250)	131663	111	EPA 375.4	06/11/96	1	82282
1095	ZINC	(5)	131663	0.026	EPA 200.7	06/10/96	0.004	82282
<u>1905 </u>	COLOR	(15 color units)	131663	700	SM 2120B	05/28/96	5	82282
1920	ODOR (3 th	reshold odor number)	131663	1 U	SM 2150B	05/28/96	1	82282
1925	PH	(6.5-8.5)	131663	8.0	EPA 150.1	05/28/96		82282
<u>1930</u>	TOTAL DISSO	LVED SOLIDS (500)	131663	846	SM 2540C	06/03/96	3	82282
2905	FOAMING AGE	INTS (0.5)	131663	0.1 K	SM 5540C	05/29/96	0.025	82135

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran	neter		Sample	Analysis	Analysis	Analysis		1
<u>ID</u>	Name	(MCL mg/l)	Number	Result (mg/l)		<u>Date</u>	<u>MDL</u>	Lab ID
2950	TOTAL THMS	(0.10)	09248-04		EPA 502.2			84269

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Param			Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name</u>	(MCL pCi/l)	Number	<u>Result (pCi/l)</u>	Method	Date	Error	
4000	GROSS ALPHA		131663	67.7 ± 9.2	EPA 900.0	06/04/96	1	83170
4012	PHOTON EMITT	ERS	NA				•	00110
4020	RADIUM-226		131683	4.6 ± 0.3	EPA 903.1	06/06/96	1	83170
4030	RADIUM-228		131663		BROOKS/BLANC		4	
4101	MAN-MADE BET/	۹.	NA	2.0 4 0.0	DUCORSIDERIC	00/10/90	4	83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(B) (PWS028)

Param	leter		Sample	Analysis	Analysis	Analysis	Lab
<u>D</u>	<u>Name (N</u>	<u>1CL µg/l)</u>	Number	Result (µg/l)	Method	Date MDL	<u>ID</u>
2378	1,2,4-TRICHLOROBENZENE	(70)	09248-04	0.5 U	EPA 502.2	05/31/96 0.5	84269
2380	CIS-1,2-DICHLOROETHYLENE	(70)	09248-04	0.2 U	EPA 502.2	05/31/96 0.2	
2955		(10,000)	09248-04	.6.4	EPA 502.2		84269
2964	DICHLOROMETHANE	(5)	09248-04	0.5 U	EPA 502.2	<u>05/31/96</u> 0.5	84269
2968	O-DICHLOROBENZENE	(600)	09248-04	0.5 U		05/31/96 0.5	84269
2969	PARA-DICHLOROBENZENE	(75)	09248-04	0.5 U 0.5 U	EPA 502.2	05/31/96 0.5	84269
2976	VINYL CHLORIDE	(1)	09248-04		EPA 502.2	05/31/98 0.5	84269
2977	1,1-DICHLOROETHYLENE			0.5 U	EPA 502.2	05/31/96 0.5	84269
2979	TRANS-1,2-DICHLOROETHYLE	(7) NF (100)	09248-04	0.5 U	EPA 502.2	05/31/96 0,5	84269
2980	1,2-DICHLOROETHANE		09248-04	0.5 U	EPA 502.2	05/31/96 0.5	84269
2981		(3)	09248-04	0.2 U	EPA 502.2	05/31/96 0.2	84269
2982	1,1,1-TRICHLOROETHANE	(200)	09248-04	0.3 U	EPA 502.2	05/31/96 0.3	84269
	CARBON TETRACHLORIDE	(3)	09248-04	0.3 U	EPA 502.2	05/31/96 0.3	84269
2983	1,2-DICHLOROPROPANE	(5)	09248-04	0.3 U	EPA 502.2	05/31/96 0.3	84269
2984	TRICHLOROETHYLENE	(3)	09248-04	0.2 U	EPA 502.2	05/31/96 0.2	84269
2985	1,1,2-TRICHLOROETHANE	(5)	09248-04	0.3 U	EPA 502.2	05/31/98 0.3	84269
2987	TETRACHLOROETHYLENE	(3)	09248-04	0.2 U	EPA 502.2	05/31/96 0.2	84269
2989	MONOCHLOROBENZENE	(100)	09248-04	0.5 U	EPA 502.2	05/31/96 0.5	84269
2990	BENZENE	`(1) `	09248-04	0.5 Ŭ	EPA 502.2	05/31/96 0.5	84269
2991	TOLUENE	(1,000)	09248-04	4.3	EPA 502.2	05/31/96 0.5	84269
2992	ETHYLBENZENE	(700)	09248-04	0.99	EPA 502.2	05/31/96 0.5	84269
2996	STYRENE	(100)	09248-04	0.5 U	EPA 502.2	05/31/98 0.5	84269
						00/0//00 0.0	07203

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

_	*			,				
Param			Sample	Analysis	Analysis	Analysis		Lab
<u>1D</u>	Name	(MCL µg/l)	<u>Number</u>	<u>Result (µg/I)</u>	<u>Method</u>	<u>Date</u>	<u>MDL</u>	<u>1D</u>
2005	ENDRIN	(2)	09248-04	0.01 U	EPA 508	06/03/96	0.01	84269
2010	LINDANE	(.2)	09248-04	0.01 U	EPA 508	06/03/96	0.01	84269
2015	METHOXYCHLOR	(40)	09248-04	0.02 U	EPA 508	06/03/96	0.02	84269
2020	TOXAPHENE	(3)	09248-04	0.2 U	EPA 508	06/03/96	0.2	84269
2031	DALAPON	(200)	09248-04	1 U	EPA 515.1	06/04/96	1	84269
2032	DIQUAT	(20)	09248-04	8 K1	EPA 549.1	05/31/96	4	84269
2033	ENDOTHALL	(100)	09248-04	10 U	EPA 548	05/29/96	10	84269
2034	GLYPHOSATE	(700)	09248-04	10 U	EPA 547	06/03/96	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	09248-04	1 U	EPA 506	06/03/96	1	84269
2036	OXAMYL (VYDATE)	(200)	09248-04	0.5 U	EPA 531.1	05/30/96	0.5	84269
2037	SIMAZINE	(4)	09248-04	0.1 U	EPA 507	06/03/96	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALATI	E (6)	09248-04	1 ប	EPA 506	06/03/96	1	84269
2040	PICLORAM	(500)	09248-04	0.2 U	EPA 515.1	06/04/96	0.2	84269
2041	DINOSEB	(7)	09248-04	0.2 U	EPA 515.1	06/04/96	0.2	84269
2042	HEXACHLOROCYCLOPENTADI	ene (50)	09248-04	0.1 U	EPA 505	06/03/96	0.1	84269
2046	CARBOFURAN	(40)	09248-04	0.5 U	EPA 531.1	05/30/96	0.5	84269
2050	ATRAZINE	(3)	09248-04	0.1 U	EPA 507	06/03/96	0.1	84269
2051	ALACHLOR	(2)	09248-04	0.3 U	EPA 507	06/03/96	0.3	84269
2063	2,3,7,8-TCDD (DIOXIN)	(.00003)	09248-04		EPA			84269
2065	HEPTACHLOR	(.4)	09248-04	0.01 U	EPA 508	06/03/96	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	09248-04	0.01 U	EPA 508	06/03/96	0.01	84269
2105	2,4-D	(70)	09248-04	0.5 U	EPA 515.1	06/04/96	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	09248-04	0.05 U	EPA 515.1	06/04/96	0.05	84269
2274	HEXACHLOROBENZENE	(1)	09248-04	0.01 U	EPA 508	06/03/96	0.01	84269
2306	Benzo(a)pyrene	(.2)	09248-04	0.01 U	EPA 550	06/03/96	0.01	84269
2326	PENTACHLOROPHENOL	(1)	09248-04	0.05 U	EPA 515.1	06/04/96	0.05	84269
2383	PCB	(.5)	09248-04	0.05 U	EPA 508	06/03/96	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	09248-04	0.005 U	EPA 504	06/04/96	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	09248-04	0.005 U	EPA 504	06/04/96	0.005	84269
2959	CHLORDANE	(2)	09248-04	0.05 U	EPA 508	06/03/96	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550,405 (PWS035)

Param	eter		Sample	Analysis	Analysis	Analysis		Lab
<u>1D</u>	<u>Name</u>	(MCL µg/I)	<u>Number</u>	<u>Result (µg/l)</u>	Method	Date	MDL	ID
2021	CARBARYL		09248-04	0.5 U	EPA 531.1	05/30/96	0.5	84269
2022	METHOMYL		09248-04	0.5 U	EPA 531.1	05/30/96	0.5	84269
2043	ALDICARB SULFOXIDE		09248-04	0.5 U	EPA 531.1	05/30/96	0.5	84269
2044	ALDICARB SULFONE		09248-04	0.5 U	EPA 531.1	05/30/96	0.5	84269
2045	METOLACHLOR		09248-04	0.3 U	EPA 507	06/03/96	0.3	84269
2047	ALDICARB		09248-04	0.5 U	EPA 531.1	05/30/96	0.5	84269
2066	3-Hydroxycarbofuran		09248-04	0.5 U	EPA 531.1	05/30/96	0.5	84269
2077	PROPACHLOR		09248-04	0.05 U	EPA 508	06/03/96	0.05	84269
2356	ALDRIN		09248-04	0.01 U	EPA 508	06/03/96	0.01	84269
2364	DIELDRIN		09248-04	0.01 U	EPA 508	06/03/96	0.01	84269
2440	DICAMBA		09248-04	0.05 U	EPA 515.1	06/04/96	0.05	84269
?595	METRIBUZIN		09248-04	0.2 U	EPA 507	06/03/96	0.2	84269

J - Analyte was not detected; indicated concentration is method detection limit.

Analyte was less than indicated concentration; indicated concentration is MDL_x_Sample Dilution Factor.
 Reduced sample volume used for analysis due to interference from sediment.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran	neter	Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name (MCL µg/l)</u>	Number	Result (µg/I)	Method	Date	<u>MDL</u>	<u>ID</u>
2210	CHLOROMETHANE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2212	DICHLORODIFLUOROMETHANE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2214	BROMOMETHANE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2216	CHLOROETHANE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2218	TRICHLOROFLUOROMETHANE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2408	DIBROMOMETHANE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2410	1,1-DICHLOROPROPYLENE	09248-04	0.3 U	EPA 502.2	05/31/96	0.3	84269
2412	1,3-DICHLOROPROPANE	09248-04	0.3 U	EPA 502.2	05/31/96	0.3	84269
2413	1,3-DICHLOROPROPENE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	09248-04	0.3 U	EPA 502.2	05/31/96	0.3	84269
2416	2,2-DICHLOROPROPANE	09248-04	0.3 U	EPA 502.2	05/31/96	0.3	84269
2941	CHLOROFORM	09248-04	3.3	EPA 502.2	05/31/96	0.2	84269
2942	BROMOFORM	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2943	BROMODICHLOROMETHANE	09248-04	0.3 U	EPA 502.2	05/31/96	0.3	84269
2944	DIBROMOCHLOROMETHANE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2965	O-CHLOROTOLUENE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2966	P-CHLOROTOLUENE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2967	M-DICHLOROBENZENE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269
2978	1,1-DICHLOROETHANE	09248-04	0.3 U	EPA 502.2	05/31/96	0.3	84269
2986	1,1,1,2-TETRACHLOROETHANE	09248-04	0.3 U	EPA 502.2	05/31/96	0.3	84269
2988	1,1,2,2-TETRACHLOROETHANE	09248-04	0.3 U	EPA 502.2	05/31/96	0.3	84269
2993	BROMOBENZENE	09248-04	0.5 U	EPA 502.2	05/31/96	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param ID	eter <u>Name (MCL µg/l)</u>	Sample <u>Number</u>	Analysis Result (µg/l)	Analysis Method	Analysis Date	MDL	Lab <u>ID</u>
2262	ISOPHORONE	09248-04	1 U	EPA 609	06/03/96	1	84269
2270	2,4-DINITROTOLUENE	09248-04	1 U	EPA 609	06/03/96	1	84269
2282	DIMETHYLPHTHALATE	09248-04	1 U	EPA 506	06/03/96	1	84269
2284	DIETHYLPHTHALATE	09248-04	1 U	EPA 506	06/03/96	1	84269
2290	DI-N-BUTYLPHTHALATE	09248-04	1 U	EPA 506	06/03/96	1	84269
2294	BUTYL BENZYL PHTHALATE	09248-04	1 Ų	EPA 506	06/03/96	1	84269
9089	DIOCTYLPHTHALATE	09248-04	1 U	EPA 506	06/03/96	1	84269
9108*	2-CHLOROPHENOL	09248-04	5 U	EPA 604	06/03/96	5	84269
9112*	2-METHYL-4,6-DINITROPHENOL	09248-04	20 U	EPA 604	06/03/96	20	84269
9115*	Phenol	09248-04	5 U	EPA 604	06/03/96	5	84269
9116*	2,4,6-TRICHLOROPHENOL	09248-04	10 U	EPA 604	06/03/96	10	84269

COLIFORM ANALYSIS

Parai	meter	Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name (MCL µg/l)</u>	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	<u>Date</u>		<u>ID</u>
	TOTAL COLIFORMS (MPN) FECAL COLIFORMS (MPN)	131663 131663	21 2 U		05/28/96 05/28/96	1	82135 82135

U - Analyte was not detected; indicated concentration is method detection limit.

.



3437 s.w. 24th avenue • gainesville, florida 32607 • 904-372-0436 • fax 904-378-6483

Report No. 78731 Date JUN 03 1996 Subject: WATER REC'D 02:10PM BY D. ROBERTS ANALYSIS BEGUN 02:25PM Received: MAY 28 1996

PAUL BERMAN PFB ENVIRONMENTAL LAB 6821 SW ARCHER ROAD GAINESVILLE, FL 32608

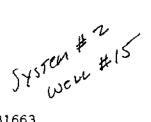
Client # 2643 Phone: (352) 377-2349 Fax: (352) 395-6639

RESULTS OF ANALYSIS

SYSTEM #8" Sample 1 WELL 14 5/27/96 11:30 ID #131660 TOTAL COLIFORMS (MPN) >1,600 / 100ML FECAL COLIFORMS (MPN) 17 / 100ML L ple 2 SYSTEM 9 5/27/96 12:45 ID #131661 TOTAL COLIFORMS (MPN) >1,600 / 100ML FECAL COLIFORMS (MPN) >1,600 / 100ML Sample 3 SYSTEM 2 5/27/96 13:30 ID #131662 #14 TOTAL COLIFORMS (MPN) 21 / 100ML FECAL COLIFORMS (MPN) <2 / 100ML Sample 4 SYSTEM #5 5/27/96 14:30 ID #131663 #2 were #15 TOTAL COLIFORMS (MPN) 21 / 100ML FECAL COLIFORMS (MPN) <2 / 100ML Additional Notes & Comments for Sample Report 78731

ALL SAMPLES WERE RECEIVED OUT OF HOLDING TIME FOR COMPLIANCE FURPOSES.

Page #1 Report Continues



• → No. 131663

Southern Analytical Project No. 09248 June 12, 1996

TRIHALOMETHANE ANALYSIS 62-550.310(2)(a)

(PWS027)

Param <u>ID</u>			Analysis <u>Result(ug/l)</u>	-	Analysis <u>Date</u>	_MDL	Lab ID
2950	Total THMs (0.10)	09248-04	0.0033	EPA 502.2	5/31/96	0.0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b) (PWS028)

Paran <u>ID</u>	meter <u>NAME (MCL ug/l)</u>	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab <u>ID</u>
2378	1,2,4-Trichlorobenzene (70)	0924804	0.5 U	EPA 502.2	5/31/96	0.5	84269
2380	cis-1,2-Dichloroethene (70)	09248-04	0.2 U	EPA 502.2	5/31/96	0.2	84269
٦S	Xylenes (Total) (10,000)	09248-04	6.4	EPA 502.2	5/31/96	0.5	84269
2964	Dichloromethane (5)	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
. ა 8	o-Dichlorobenzene (600)	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2969	p-Dichlorobenzene (75)	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2976	Vinyl chloride (1)	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2977	1,1-Dichloroethene (7)	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2979	trans-1,2-Dichloroethene (100)	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2980	1,2-Dichloroethane (3)	09248-04	0.2 U	EPA 502.2	5/31/96	0.2	84269
2981	1,1,1-Trichloroethane (200)	09248-04	0.3 U	EPA 502.2	5/31/96	0.3	84269
2982	Carbon tetrachloride (3)	09248-04	0.3 U	EPA 502.2	5/31/96	0.3	84269
2983	1.2-Dichloropropane (5)	09248-04	0.3 U	EPA 502.2	5/31/96	0.3	84269
2984	Trichloroethene (3)	09248-04	0.2 U	EPA 502.2	5/31/96	0.2	84269
2985	1,1,2-Trichloroethane (5)	09248-04	0.3 U	EPA 502.2	5/31/96	0.3	84269
2987	Tetrachloroethene (3)	09248-04	0.2 U	EPA 502.2	5/31/96	0.2	84269
2989	Monochlorobenzene (100)	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2990	Benzene (1)	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2991	Toluene (1,000)	09248-04	4.3	EPA 502.2	5/31/96	0.5	84269
ר '	Ethylbenzene (700)	09248-04	0.99	EPA 502.2	5/31/96	0.5	84269
2996	Styrene (100)	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269

F No. 131663

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

Param ID	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis Result(ug/l)	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2005	Endrin (2)	09248-04	0.01 U	EPA 508	6/3/96	0.01	84269
2010	Lindane (.2)	09248-04	0.01 9	EPA 508	6/3/96	0.01	84269
2015	Methoxychlor (40)	09248-04	0.02 U	EPA 508	6/3/96	0.02	84269
2020	Toxaphene (3)	09248-04	0.2 U	EPA 508	6/3/96	0.2	84269
2031	Dalapon (200)	09248-04	1 U	EPA 515.1	6/4/96	1	84269
2032	Diquat (20)	09248-04	8 K1	EPA 549.1	5/31/96	4	84269
2033	Endothall (100)	09248-04	10 U	EPA 548	5/29/96	10	84269
2034	Glyphosate (700)	0924804	10 U	EPA 547	6/3/96	10	84269
2035	Di(2-ethylhexyl)adipate (400)	09248-04	1 U	EPA 506	6/3/96	1	84269
2036	Oxamyl (Vydate) (200)	0924804	0.5 U	EPA 531.1	5/30/96	0.5	84269
2037	Simazine (4)	09248-04	0.1 U	EPA 507	6/3/96	0.1	84269
.)	Di(2-ethylhexyl)phthalate (6)	0924804	1 U	EPA 506	6/3/96	1	84269
^^1 0	Picloram (500)	09248-04	0.2 U	EPA 515.1	6/4/96	0.2	84269
2041	Dinoseb (7)	09248-04	0.2 U	EPA 515.1	6/4/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	09248~04	0.1 U	EPA 505	6/3/96	0.1	84269
2046	Carbofuran (40)	09248-04	0.5 U	EPA 531.1	5/30/96	0.5	84269
2050	Atrazine (3)	09248-04	0.1 U	EPA 507	6/3/96	0.1	84269
2051	Alachlor (2)	09248-04	0.3 U	EPA 507	6/3/96	0.3	84269
2065	Heptachlor (.4)	09248-04	0.01 U	EPA 508	6/3/96	0.01	84269
2067	Heptachlor epoxide (.2)	09248-04	0.01 U	EPA 508	6/3/96	0.01	84269
2105	2,4-D (70)	09248-04	0.5 U	EPA 515.1	6/4/96	0.5	84269
2110	2,4,5-TP (Silvex) (50)	09248-04	0.05 U	EPA 515.1	6/4/96	0.05	84269
2274	Hexachlorobenzene (1)	09248-04	0.01 U	EPA 508	6/3/96	0.01	84269
2306	Benzo(a)pyrene (.2)	09248-04	0.01 U	EPA 550	6/3/96	0.01	84269
2326	Pentachlorophenol (1)	09248-04	0.05 U	EPA 515.1	6/4/96	0.05	84269
2383	PCBs (.5)	09248-04	0.05 U	EPA 508	6/3/96	0.05	84269
2931	Dibromochloropropane (.2)	09248-04	0.005 U	EPA 504	6/4/96	0.005	84269
2946	Ethylene dibromide (.02)	09248-04	0.005 U	EPA 504	6/4/96	0.005	84269
و .	Chlordane (2)	09248-04	0.05 U	EPA 508	6/3/96	0.05	84269
U A	nalyte was not detected: indicat	ted concer	tration is me				

U Analyte was not detected; indicated concentration is method detection limit.

 K - Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor.
 ¹ Reduced sample volume used for analysis due to interference from sediment.

F No. 131663

UNREGULATED GROUP I ANALYSIS 62~550.405 (PWS035)

Paran ID	neter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result (ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2021	Carbaryl	09248-04	0.5 U	EPA 531.1	5/30/96	0.5	84269
2022	Methomyl	09248-04	0.5 U	EPA 531.1	5/30/96	0.5	84269
2043	Aldicarb sulfoxide	09248-04	0.5 U	EPÁ 531.1	5/30/96	0.5	84269
2044	Aldicarb sulfone	09248-04	0.5 U	EPA 531.1	5/30/96	0.5	84269
2045	Metolachlor	09248-04	0.3 U	EPA 507	6/3/96	0.3	84269
2047	Aldicarb	09248-04	0.5 U	EPA 531.1	5/30/96	0.5	84269
2066	3-Hydroxycarbofuran	09248-04	0.5 U	EPA 531.1	5/30/96	0.5	84269
2077	Propachlor	09248~04	0.05 U	EPA 508	6/3/96	0.05	84269
2356	Aldrin	0924804	0.01 U	EPA 508	6/3/96	0.01	84269
	Dieldrin	09248-04	0.01 U	EPA 508	6/3/96	0.01	84269
10°	Dicamba	09248-04	0.05 U	EPA 515.1	6/4/96	0.05	84269
2595	Metribuzin	09248-04	0.2 U	EPA 507	6/3/96	0,2	84269

5 3 No. 131663

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran <u>ID</u>	neter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2210	Chloromethane	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2212	Dichlorodifluoromethane	09248+04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2214	Bromomethane	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2216	Chloroethane	0924804	0.5 U	EPA 502.2	5/31/96	0.5	84269
2218	Trichlorofluoromethane	0924804	0.5 U	EPA 502.2	5/31/96	0.5	84269
2251	Methyl-tert-butyl-ether	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2408	Dibromomethane	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2410	1,1-Dichloropropene	09248-04	0.3 U	EPA 502.2	5/31/96	0.3	84269
2412	1,3-Dichloropropane	09248-04	0.3 U	EPA 502.2	5/31/96	0.3	84269
3	1,3-Dichloropropene	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
14	1,2,3-Trichloropropane	09248-04	0.3 U	EPA 502.2	5/31/96	0.3	84269
2416	2,2-Dichloropropane	09248-04	0.3 U	EPA 502.2	5/31/96	0.3	84269
2941	Chloroform	09248-04	3.3	EPA 502.2	5/31/96	0.2	84269
2942	Bromoform	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2943	Bromodichloromethane	09248-04	0.3 U	EPA 502.2	5/31/96	0.3	84269
2944	Dibromochloromethane	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2965	o~Chlorotoluene	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2966	p-Chlorotoluene	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2967	m-Dichlorobenzene	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269
2978	1,1-Dichloroethane	09248-04	0.3 U	EPA 502.2	5/31/96	0.3	84269
2986	1,1,1,2-Tetrachloroethane	09248-04	0.3 U	EPA 502.2	5/31/96	0.3	84269
2988	1,1,2,2-Tetrachloroethane	0924804	0.3 U	EPA 502.2	5/31/96	0.3	84269
2993	Bromobenzene	09248-04	0.5 U	EPA 502.2	5/31/96	0.5	84269

' ' No. 131663

,

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Parameter ID NAME	(MCL_ug/1)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis Date	MDL	Lab ID
2262 Isopho	rone	09248-04	IU	EPA 609	6/3/96	1	84260
-	nitrotoluene	09248-04	1 0	EPA 609	6/3/96	1	84269 84269
2282 Dimeth	ylphthalate	0924804	1 U	EPA 506	6/3/96	1	84269
2284 Diethy	lphthalate	09248-04	1 U	EPA 506	6/3/96	1	84269
2290 Di-n-b	utylphthalate	09248-04	1 U	EPA 506	6/3/96	1	84269
2294 Butyl	benzyl phthalate	09248-04	1 U	EPA 1506	6/3/96	1	84269
9089 Di-n-o	ctylphthalate	09248-04	1 U	EPA 506	6/3/96	1	84269
9108* 2-Chlo	rophenol	09248-04	5 U	EPA 604	6/3/96	5	84269
9112* 2-Meth	yl-4,6-dinitrophenol	09248-04	20 U	EPA 604	6/3/96	20	84269
s* Phenol)		09248-04	5 V	EPA 604	6/3/96	5	84269
16* 2,4,6~	Trichlorophenol	0924804	10 U	EPA 604	6/3/96	10	84269



	3437 s.w. 24th avenue •	gainesville, florida 32607	•	352-372-0436	•	fax 352-378-6483
	SOUTHEAST DRILLING			Đạ	ate	JUN 03 1996
Necelved:	MAY 28 1996	·		٥H	€RS7	088 # 2013576800 V

TOM PARK PPB ENVIRONMENTAL LAS 6821 SW ARCHER RCAD GAINESVILLE, FL 32608

3437 s.w. 24th avenue

	WALYSIS METHOD		<u>seelt</u>	AVALYST	ANALYS BATELONE
Sample 1 WELL 14 05/27/96 11:30AM FOAMING AGENTS (SURFACTANTS) E	1 IPA 425.1		1999 - ¹ 11 - 112		• • • • •
Sample 2 SYSTEM 9 05/27/96 05:45F		< ,100	Ya⊒ / ⊑.	ngi tani	(3729/96 10:304M
FOAMING AGENTS (SURFACTANTS) E	IPA 425.1	: .100	m:SiziL	C P	05/29 /9 6 (0:304:
S DIE 3 SYS 2405/27/96 01:30PM F LING AGENTS (SURFACTANTS) E	SPA 425.1	< .100	MB/L	20	15729798 ID40047
<u>ple 4 SYS 2 15 05/27/96 02:30</u> Foaming agents (surfactants) e	<u>)PM</u> IPA 425.1		Enra 1975	d ^{er}	6572 97 96-253364-2

Respectfully Submitted for ABC Research

wal

Victor Kowalski, PhD Director, Quality Control

Envirodyne Inc.

4805 N.W. 2nd Avanue Boca Raton, FL 33431 561-989-5225

Sample No: 9706000063 2

Collected on: 06/06/97

Received on: 06/06/97

June 11, 1997

Report: 9706000063

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

Attention: Bart Ziegler

Project: PBCWF Expansion - System 2

2956 Pinchurst Drive West Palm Beach, FL

SAMPLE ID: Prod. Well #15

Date of Analysis: 06/08/97

System #Z, well #15 Resample.

601 PURGEABLE HALOCARBONS

Collected by: Bart Ziegler

PARAMETER	RESULT	DL UNITS	ANALYST	
Bromodichloromethane	BDL	0.5 µg/L	TAV	
Bromoform	BDL	0.5 µg/L	TAV	
Bromomethane	BDL	0.5 µg/L	TAV	
Carbon tetrachloride	BDL	0.5 µg/L	TAV	
Chlorobenzene	BDL	0.5 µg/L	TAV	
Chloroethane	BDL	0.5 µg/L	TAV	
2-Chloroethylvinyl ether	BDL	0.5 µg/L	TAV	
Chloroform	BDL	0.5 µg/L	TAV	
Chloromethane	BDL	$0.5 \mu g/L$	TAV	
Dibromochloromethane	BDL	$0.5 \ \mu g/L$	TAV	
1,2-Dichlorobenzene	BDL	$0.5 \mu g/L$	TAV	
1,3-Dichlorobenzene	BDL	0.5 µg/L	TAV	
1,4-Dichlorobenzene	BDL	0.5 µg/L	TAV	
Dichlorodifluoromethane	BDL	0.5 µg/L	TAV	
1,1-Dichloroethane	BDL	0.5 µg/L	TAV	
1,2-Dichloroethane	BDL	0.5 µg/L	TAV	
1,1-Dichloroethylene	BDL	0.5 µg/L	TAV	
trans-1,2-Dichloroethene	BDL	0.5 µg/L	TAV	
1,2-Dichloropropane	BDL	0.5 µg/L	TAV	
cis-1,3-Dichloropropene	BDL	0.5 µg/L	TAV	
trans-1,3-Dichloropropane	BDL	0.5 µg/L	TAV	
Methylene chloride	BDL	0.5 µg/L	TAV	
1,1,2,2-Tetrachloroethane	BDL	0.5 µg/L	TAV	
Tetrachloroethylene	BDL	0.5 µg/L	TAV	
1,1,1-Trichloroethane	BDL	0.5 µg/L	TAV	
1,1,2-Trichloroethane	BDL	0.5 µg/L	TAV	
Trichloroethylene	BDL	0.5 µg/L	TAV	
Trichlorofluoromethane	BDL	0.5 µg/L	TAV	
Vinyl chloride	BDL	0.5 µg/L	TAV	



Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

Sample No: 9706000063 2

June 11, 1997

Report: 970600063

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

Attention: Bart Ziegler

Project: PBCWF Expansion - System 2 2956 Pinehurst Drive West Palm Beach, FL

SAMPLE ID: Prod. Well #15

Collected by: Bart Ziegler

Collected on: 06/06/97 Received on: 06/06/97

Date of Analysis: 06/08/97

PARAMETER	RESULT	DL UNITS	ANALYST	
Benzene	BDL	0.5 µg/L	TAV	
Chlorobanzene	BDL	0.5 μg/L	TAV	
1,2-Dichlorobenzene	BDL	0.5 μg/L	TAV	
1,3-Dichlorobenzene	BDL	$0.5 \ \mu g/L$	TAV	
1,4-Dichlorobanzene	BDL	0.5 µg/L	TAV	
Ethylbenzene	HDL	0.5 µg/L	TAV	
Methyl-tert-butyl ether	BDL	0.5 µg/L	TAV	
Toluene	BDL	0.5 μg/Ľ	TAV	
Xylenes, Total	BDL	0.5 µg/L	TAV	
Total BTEX	BDL	µg/L	TAV	

602 VOLATILE ORGANIC COMPOUNDS

Analysis contained herein conform to EPA and DEP approved methods per Envirodyne Comprehensive Quality Assurance Plan No. 890041G. Additional Laboratory Certification numbers: E86006, 86408, E83079, E86240, South Carolina 96022. All relevant guality assurance samples were within specified control limits unless otherwise stated.

seloums 1 kn

Michael Rentoumis President, Envirodyne, Inc.

lun

Oleg I Minko, Ph.D. Quality Assurance Director

A/QC Review, Below Detection DL=Detection Limit

System 3 (SRWRF)

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

13

PUBLIC WATER SYSTEM INFO	RMATION (to be completed	l by system or lab)			
System Name:					
Address: Type (check one): () Commun	ity () Nontransient Nonco	Phone #: pmmunity () Noncommunity	()		
SAMPLE INFORMATION (to be	completed by sampler)				
Sample Date (MMDDYY):/	/ Sample Time:				
Sample Location (be specific):					
			_()		
Check Type(s): () Distributio () Clearance () Distrib en	e () Thm Max F	Res Time () Plant	nple of Lab Invalidated Sample Tap 9 Sites–Attach a format for each site		
LABORATORY CERTIFICATION	I INFORMATION (to be com	pleted by lab) – ATTACH HRS A	NALYTE SHEET*		
Lab Name: PPB Environmenta	Laboratories, Inc.	HRS #: <u>82282</u>	Expiration Date:		
Address: 6821 SW Archer R	oad, Gainesville, FL 32608		Phone #: (352) 377-2349		
Subcontracted Lab HRS #:8317	<u>0, 82135, 84269</u> – AT	TACH HRS ANALYTE SHEET FO	R SUBCONTRACTED LAB, TOO*		
ANALYSIS INFORMATION (to b	e completed by lab) – SAMI	PLE NUMBER:131482	SRWRF# 15		
Date Sample(s) Received: 5/16	/96 Group(s) An	alyzed & Results attached for com	pliance with 62-550, F.A.C.:		
() Nitrate Only	() Nitrite Only	() Asbestos Only	(x) Trihalomethanes		
Inorganics ()All 17 (x)Partial	Volatile Organics (x) Ail 21 ()Partial	Secondaries (x) All 14 () Partial	Pesticide/PCBs⊶ () All 30 (x)Partial		
	Group II Unregulateds– (x) All 23 () Partial	Group III Unreguiateds– (x) All 11 ()Partial			
		**Provide radiochemical sample	e dates & locations for each quarter		
I,Paul Berma		do HEREBY CERTIFY that all atta	ached analytical data are correct.		
Signature <u>far</u>	C Berman				
Title QA Officer			Date6/11/96		
COMPLIANCE INFORMATION (to	be completed by State)				
Sample Collection Satisfactory:	Sa	ample Analysis Satisfactory:			
Resample Requested for:					
Person notified to resample:		Date Notified:			
DEP/HRS Reviewing Official:					

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample. Effective January 1995

1

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name</u>	(MCL mg/l)	<u>Number</u>	Result (mg/l)	Method	Date	<u>(mg/l)</u>	<u>ID</u>
1005	ARSENIC	(.05)	131482	0.001 U	EPA 200.7	06/08/96	0.001	82282
1010	BARIUM	(2)	131482	0.033	EPA 200.7	05/30/96	0.001	82282
1015	CADMIUM	(.005)	131482	0.0001 U	SM 3113B	06/01/96	0.0001	82282
1020	CHROMIUM	(0.1)	131482	0.010	EPA 200.7	05/30/96	0.005	82282
1024	CYANIDE	(0.2)	131482	0.004 U	SM 4500CNE	05/20/96	0.004	82282
1025	FLUORIDE	(4)	131482	0.44	SM 4500FC	05/28/96	0.02	82282
1030	LEAD	(0.015)	131482	0.001 U	SM 3113B	05/29/96	0.001	82282
1035	MERCURY	(0.002)	131482	0.00005 U	EPA 245.1	05/21/96	0.00005	82282
1036	NICKEL	(0.1)	131482	0.030 U	EPA 200.7	05/30/96	0.030	82282
1040	NITRATE	(10)	131482	0.01 K	EPA 353.2	05/16/96	0.004	82282
1041	NITRITE	(1)	131482	0.01 K	EPA 353.2	05/16/96	0.003	82282
1045	SELENIUM	(0.05)	131482	0.005 K	SM 3113B	06/08/96	0.001	82282
1052	SODIUM	(160)	131482	33.2	EPA 200.7	05/30/96	0.05	82282
1074	ANTIMONY	(0.006)	131482	0.003 U	SM 3113B	06/12/96	0.003	82282
1075	BERYLLIUM	(0.004)	131482	0.004 K	EPA 200.7	05/30/96	0.003	82282
1085	THALLIUM	(0.002)	131482	0.001 K	EPA 200.9	05/30/96	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	eter		Sample	Analysis*	Analysis	Analysis	MDL	Lab
<u>1D</u>	<u>Name</u>	(MCL mg/l)	<u>Number</u>	<u>Result (mg/l)</u>	<u>Method</u>	Date	<u>(mg/l)</u>	ID
1002	ALUMINUM	(0.2)	131482	0.643	EPA 200.7	05/30/96	0.01	82282
1017	CHLORIDE	(250)	131482	45.0	EPA 325.2	05/30/96	0.3	82282
1022	Copper	(1)	131482	0.01 U	EPA 200.7	05/30/96	0.01	82282
1020	Fluoride	(2.0)	131482	0.44	SM 4500FC	05/28/96	0.02	82282
1028	IRON	(0.3)	131482	2.48	EPA 200.7	05/30/96	0.005	82282
1032	MANGANESE	(0.05)	131482	0.021	EPA 200.7	05/30/96	0.005	82282
1050	SILVER	(0.1)	131482	0.0001 U	SM 3113B	06/04/96	0.0001	82282
1055	SULFATE	(250)	131482	15.0	EPA 375.4	05/20/96	1	82282
1095	ZINC	(5)	131482	0.012	EPA 200.7	05/30/96	0.004	82282
1905	COLOR	(15 color units)	131482	120	SM 2120B	05/16/96	5	82282
1920	ODOR (3 thr	eshold odor number)	131482	1 Ū	SM 2150B	05/16/96	1	82282
1925	РH	(6.5-8.5)	131482	7.3	EPA 150.1	05/14/96		82282
1930	TOTAL DISSOL	VED SOLIDS (500)	131482	369	SM 2540C	05/20/96	3	82282
2905	FOAMING AGE	NTS (0.5)	131482	0.025 U	SM 5540C	05/17/96	0.025	82135

*All results and method detection limits in mg/i except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran <u>ID</u>	neter <u>Name</u>	(MCL mg/l)	Sample <u>Number</u>	Analysis <u>Result (mg/l)</u>	Analysis Method	Analysis <u>Date</u>	<u>MDL</u>	Lab ID
2950	TOTAL THMS	(0.10)	09209-02	0.0018	EPA 502.2	05/23/96	0.0015	84269

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Paran <u>ID</u>	ieter <u>Name</u>	(MCL pCi/I)	Sample <u>Number</u>	Analysis Result (pCi/l)	Analysis Method	Analysis <u>Date</u> <u>Error</u>	Lab ID
4000 4012	GROSS ALPHA PHOTON EMITTI	ERS	131482 NA	11.4 ± 2.7	EPA 900.0	05/31/96 1	83170
4020 4030 4101	RADIUM-226 RADIUM-228 MAN-MADE BET/	A	131482 131482 NA	0.9 ± 0.1	EPA 903.1 Brooks/Blanc	05/31/96 1 1	83170 83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(B) (PWS028)

Paran ID	neter <u>Name</u>	(MCL µg/l)	Sample Number	Analysis <u>Result (µq/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u> <u>MDL</u>	Lab ID
2378 2380 2955 2964 2968 2969 2976 2977 2979 2980 2981 2982 2983 2984 2985 2987 2989 2990 2991 2992 2996	1,2,4-TRICHLOROBENZENI CIS-1,2-DICHLOROBENZENI XYLENES (TOTAL) DICHLOROMETHANE O-DICHLOROBENZENE PARA-DICHLOROBENZENE VINYL CHLORIDE 1,1-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHY 1,2-DICHLOROETHANE 1,1,1-TRICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHYLENE 1,2-DICHLOROETHYLENE 1,1,2-TRICHLOROETHYLENE 1,1,2-TRICHLOROETHYLENE 1,1,2-TRICHLOROETHYLENE TETRACHLOROETHYLENE BENZENE TOLUENE ETHYLBENZENE STYRENE	e (70) NE (70) (10.000) (5) (600) (75) (1) (7)	09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02	0.5 U 0.2 U 3.7 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.5 U 0.5 U 0.5 U 0.5 U	EPA 502.2 EPA 502.2	05/23/96 0.5 05/23/96 0.2 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.2 05/23/96 0.3 05/23/96 0.3 05/23/96 0.3 05/23/96 0.2 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5	84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269
	-	()	VURVO-VZ	0.00	EPA 502.2	05/23/96 0.5	84269

į

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

Param	eter		Sample	Analysis	Analysis	Analysia		1
ID	Name	(MCL µg/l)	Number	<u>Result (µg/l)</u>	Method	Analysis Date	MDL	Lab <u>ID</u>
2005	ENDRIN	(2)	09209-02	0.01 U	EPA 508	05/21/96	0.01	
2010	LINDANE	(.2)	09209-02	0.01 U	EPA 508	05/21/96	0.01	84269
2015	METHOXYCHLOR	(40)	09209-02	0.01 U	EPA 508	05/21/96	0.01	84269
2020	TOXAPHENE	(3)	09209-02	0.02 U	EPA 508	05/21/96	0.02	84269 84269
2031	DALAPON	(200)	09209-02	10	EPA 515.1	05/22/96	0.∠ 1	84269 84269
2032	DIQUAT	(20)	09209-02	4 U	EPA 549.1	05/21/96	4	84269 84269
2033	ENDOTHALL	(100)	09209-02	10 Ŭ	EPA 548	05/21/96	10 10	84269 84269
2034	GLYPHOSATE	(700)	09209-02	10 U	EPA 547	05/23/96	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	09209-02	10	EPA 506	05/21/96	1	84269
2036	OXAMYL (VYDATE)	(200)	09209-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2037	SIMAZINE	(4)	09209-02	0.1 U	EPA 507	05/21/96	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALAT	E (6)	09209-02	10	EPA 506	05/21/96	1	84269
2040	PICLORAM	(500)	09209-02	0.2 Ŭ	EPA 515.1	05/22/96	0.2	84269
2041	DINOSEB	(7)	09209-02	0.2 U	EPA 515.1	05/22/96	0.2	84269
2042	HEXACHLOROCYCLOPENTADI		09209-02	0.1 U	EPA 505	05/20/96	0.1	84269
2046	CARBOFURAN	(4Ó)	09209-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2050	ATRAZINE	(3)	09209-02	0.1 U	EPA 507	05/21/96	0.1	84269
2051	Alachlor	(2)	09209-02	0.3 U	EPA 507	05/21/96	0.3	84269
2063	2,3,7,8-TCDD (DIOXIN)	(.00003)	09209-02		EPA			84269
2065	HEPTACHLOR	(.4)	09209-02	0.01 U	EPA 508	05/21/96	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	09209-02	0.01 U	EPA 508	05/21/96	0.01	84269
2105	2,4-D	(70)	09209-02	0.5 U	EPA 515.1	05/22/96	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	09209-02	0.05 U	EPA 515.1	05/22/96	0.05	84269
2274	HEXACHLOROBENZENE	(1)	09209-02	0.01 U	EPA 508	05/21/96	0.01	84269
2306	BENZO(A)PYRENE	(.2)	09209-02	0.01 U	EPA 550	05/21/96	0.01	84269
2326	PENTACHLOROPHENOL	(1)	09209-02	0.05 U	EPA 515.1	05/22/96	0.05	84269
2383	PCB	(.5)	09209-02	0.05 U	EPA 508	05/21/96	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	09209-02	0.005 U	EPA 504	05/22/96	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	09209-02	0.005 U	EPA 504	05/22/96	0.005	84269
2959	CHLORDANE	(2)	09209-02	0.05 U	EPA 508	05/21/96	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param	eter		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name</u>	<u>(MCL µg/I)</u>	<u>Number</u>	<u>Result (µg/I)</u>	Method	Date	MDL	<u>ID</u>
2021	CARBARYL		09209-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2022	METHOMYL		09209-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2043	ALDICARB SULFOXIDE		09209-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2044	ALDICARB SULFONE		09209-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2045	METOLACHLOR		09209-02	0.3 U	EPA 507	05/21/96	0.3	84269
2047	ALDICARB		09209-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2066	3-HYDROXYCARBOFURAN		09209-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2077	PROPACHLOR		09209-02	0.05 U	EPA 508	05/21/96	0.05	84269
2356	Aldrin		09209-02	0.01 U	EPA 508	05/21/96	0.01	84269
2364	DIELORIN		09209-02	0.01 U	EPA 508	05/21/96	0.01	84269
2440	DICAMBA		09209-02	0.05 U	EPA 515.1	05/22/96	0.05	84269
2595	Metribuzin		09209-02	0.2 U	EPA 507	05/21/96	0.2	84269

J - Analyte was not detected; indicated concentration is method detection limit. K - Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor.

' - Reduced sample volume used for analysis due to interference from sediment.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran	ieter	Sample	Analysis	Analysis	Analysis		Łab
<u>ID</u>	<u>Name (MCL µg/l)</u>		Result (µg/I)	Method	Date	<u>MDL</u>	<u>ID</u>
2210	CHLOROMETHANE	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2212	DICHLORODIFLUOROMETHANE	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2214	BROMOMETHANE	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2216	Chloroethane	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2218	TRICHLOROFLUOROMETHANE	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2408	DIBROMOMETHANE	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2410	1,1-DICHLOROPROPYLENE	09209-02	0.3 U	EPA 502.2	05/23/96	0.3	84269
2412	1,3-DICHLOROPROPANE	09209-02	0.3 U	EPA 502.2	05/23/96	0.3	84269
2413	1,3-DICHLOROPROPENE	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	09209-02	0.3 U	EPA 502.2	05/23/96	0.3	84269
2416	2,2-DICHLOROPROPANE	09209-02	0.3 U	EPA 502.2	05/23/96	0.3	84269
2941	CHLOROFORM	09209-02	1.8	EPA 502.2	05/23/96	0.2	84269
2942	BROMOFORM	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2943	BROMODICHLOROMETHANE	09209-02	0.3 U	EPA 502.2	05/23/96	0.3	84269
2944	DIBROMOCHLOROMETHANE	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2965	O-CHLOROTOLUENE	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2966	P-CHLOROTOLUENE	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2967	M-DICHLOROBENZENE	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269
2978	1,1-DICHLOROETHANE	09209-02	0.3 U	EPA 502.2	05/23/96	0.3	84269
2986	1,1,1,2-TETRACHLOROETHANE	09209-02	0.3 U	EPA 502.2	05/23/96	0.3	84269
1988	1,1,2,2-TETRACHLOROETHANE	09209-02	0.3 U	EPA 502.2	05/23/96	0.3	84269
2993	BROMOBENZENE	09209-02	0.5 U	EPA 502.2	05/23/96	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

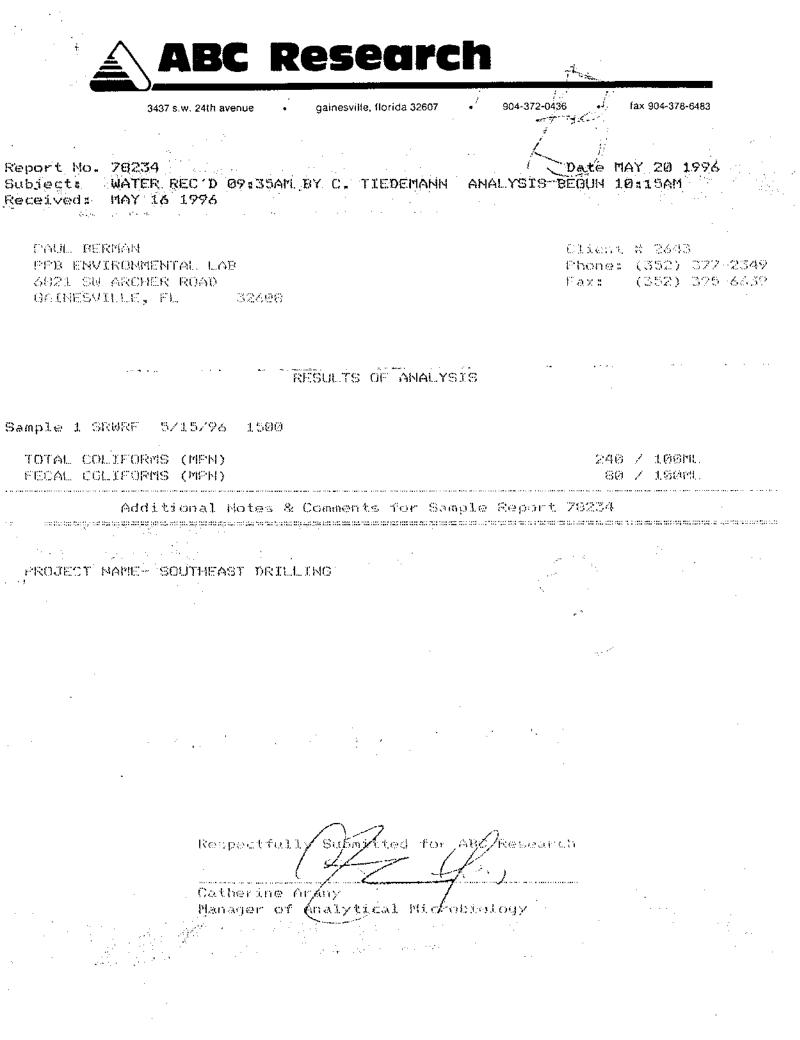
Param <u>ID</u>	ieter <u>Name (MCL μg/I)</u>	Sample <u>Number</u>	Analysis <u>Result (µg/I)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL	Lab <u>ID</u>
2262 2270 2282 2284 2290 2294 9089 9108* 9112*	ISOPHORONE 2,4-DINITROTOLUENE DIMETHYLPHTHALATE DIETHYLPHTHALATE DI-N-BUTYLPHTHALATE BUTYL BENZYL PHTHALATE DIOCTYLPHTHALATE 2-CHLOROPHENOL	09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02 09209-02	1 U 1 U 1 U 1 U 1 U 1 U 1 U 5 U	EPA 609 EPA 609 EPA 506 EPA 506 EPA 506 EPA 506 EPA 506 EPA 604	05/21/96 05/21/96 05/16/96 05/16/96 05/16/96 05/16/96 05/16/96 05/16/96	1 1 1 1 1 1 5	84269 84269 84269 84269 84269 84269 84269 84269 84269
9115* 9116*	2-Methyl-4,6-dinitrophenol Phenol 2,4,6-Trichlorophenol	09209-02 09209-02 09209-02	20 U 5 U 10 U	EPA 604 EPA 604 EPA 604	05/16/96 05/16/96 05/16/96	20 5 10	84269 84269 84269

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

COLIFORM ANALYSIS

^o arai	meter	Sample	Analysis	Analysis	Analysis	<u>MDL</u>	Lab
<u>ID</u>	<u>Name (MCL µg/l)</u>	<u>Number</u>	Result (µg/l)	<u>Method</u>	<u>Date</u>		<u>ID</u>
	TOTAL COLIFORMS (MPN) FECAL COLIFORMS (MPN)	131482 131482	240 80		05/20/96 05/20/96	1 1	82135 82135

U - Analyte was not detected; indicated concentration is method detection limit.



____WRF #15, #8181

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

Param ID	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	_MDL	Lab ID
2005	Endrin (2)	09209-02	0.01 U	EPA 508	5/21/96	0.01	84269
2010	Lindane (.2)	09209-02	0.01 U	EPA 508	5/21/96	0.01	84269
2015	Methoxychlor (40)	09209-02	0.02 U	EPA 508	5/21/96	0.02	84269
2020	Toxaphene (3)	09209-02	0.2 U	EPA 508	5/21/96	0.2	84269
2031	Dalapon (200)	09209-02	1 U	EPA 515.1	5/22/96	1	84269
2032	Diquat (20)	09209~02	4 U	EPA 549.1	5/21/96	4	84269
2033	Endothall (100)	09209-02	10 U	EPA 548	5/21/96	10	84269
2034	Glyphosate (700)	09209-02	10 U	EPA 547	5/23/96	10	84269
2035	Di(2-ethylhexyl)adipate (400)	09209-02	1 U	EPA 506	5/21/96	1	84269
2036	Oxamyl (Vydate) (200)	09209-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
2037	Simazine (4)	09209-02	0.1 U	EPA 507	5/21/96	0.1	84269
Э	Di(2~ethylhexyl)phthalate (6)	09209-02	1 U	EPA 506	5/21/96	1	84269
10	Picloram (500)	09209-02	0.2 U	EPA 515.1	5/22/96	0.2	84269
2041	Dinoseb (7)	09209-02	0.2 U	EPA 515.1	5/22/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	09209-02	0.1 U	EPA 505	5/20/96	0.1	84269
2046	Carbofuran (40)	09209-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
2050	Atrazine (3)	09209-02	0.1 U	EPA 507	5/21/96	0.1	84269
2051	Alachlor (2)	09209-02	0.3 U	EPA 507	5/21/96	0.3	84269
2065	Heptachlor (.4)	09209-02	0.01 U	EPA 508	5/21/96	0.01	84269
2067	Heptachlor epoxide (.2)	09209-02	0.01 U	EPA 508	5/21/96	0.01	84269
2105	2,4-D (70)	09209-02	0.5 U	EPA 515.1	5/22/96	0.5	84269
2110	2,4,5-TP (Silvex) (50)	09209~02	0.05 U	EPA 515.1	5/22/96	0.05	84269
2274	Hexachlorobenzene (1)	09209-02	0.01 U	EPA 508	5/21/96	0.01	84269
2306	Benzo(a)pyrene (.2)	09209-02	0.01 U	EPA 550	5/21/96	0.01	84269
2326	Pentachlorophenol (1)	09209~02	0.05 U	EPA 515.1	5/22/96	0.05	84269
2383	PCBs (.5)	09209-02	0.05 U	EPA 508	5/21/96	0.05	84269
2931	Dibromochloropropane (.2)	0920902	0.005 U	EPA 504	5/22/96	0.005	84269
2°46	Ethylene dibromide (.02)	09209-02	0.005 U	EPA 504	5/22/96	0.005	84269
9	Chlordane (2)	09209-02	0.05 U	EPA 508	5/21/96	0.05	84269

TRIHALOMETHANE ANALYSIS 62-550.310(2)(a)

(PWS027)

Param		•	-	Analyt.	Analysis	10	Lab
<u>10</u>	NAME (MCL ug/1)	Number	<u>Result(ug/l)</u>	<u>Method</u>	<u>Date</u>	MDL	<u>ID</u>
2950	Total THMs (0.10)	09209-02	0.0018	EPA 502.2	5/23/96	0.0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b) (PWS028)

23781,2,4-Trichlorobenzene (70)09209-020.5 UEPA 502.25/23/960.5842692380cis-1,2-Dichloroethene (70)09209-020.2 UEPA 502.25/23/960.284269:Xylenes (Total) (10,000)09209-023.7EPA 502.25/23/960.584269?~54Dichloromethane (5)09209-020.5 UEPA 502.25/23/960.5842692968o-Dichlorobenzene (600)09209-020.5 UEPA 502.25/23/960.5842692969p-Dichlorobenzene (75)09209-020.5 UEPA 502.25/23/960.5842692976Vinyl chloride (1)09209-020.5 UEPA 502.25/23/960.58426929771,1-Dichloroethene (7)09209-020.5 UEPA 502.25/23/960.5842692979trans-1,2-Dichloroethene (100)09209-020.5 UEPA 502.25/23/960.58426929801,2-Dichloroethane (3)09209-020.2 UEPA 502.25/23/960.28426929811,1,1-Trichloroethane (200)09209-020.3 UEPA 502.25/23/960.3842692982Carbon tetrachloride (3)09209-020.3 UEPA 502.25/23/960.38426929831,2-Dichloropropane (5)09209-020.3 UEPA 502.25/23/960.38426929831,2-Dichloropropane (5)09209-020.3 UEPA 502.25/23/960.384269
Xylenes (Total) (10,000)09209-023.7EPA 502.25/23/960.5842692754Dichloromethane (5)09209-020.5 UEPA 502.25/23/960.5842692968o-Dichlorobenzene (600)09209-020.5 UEPA 502.25/23/960.5842692969p-Dichlorobenzene (75)09209-020.5 UEPA 502.25/23/960.5842692976Vinyl chloride (1)09209-020.5 UEPA 502.25/23/960.58426929771,1-Dichloroethene (7)09209-020.5 UEPA 502.25/23/960.5842692979trans-1,2-Dichloroethene (100)09209-020.5 UEPA 502.25/23/960.58426929801,2-Dichloroethane (3)09209-020.2 UEPA 502.25/23/960.28426929811,1,1-Trichloroethane (200)09209-020.3 UEPA 502.25/23/960.3842692982Carbon tetrachloride (3)09209-020.3 UEPA 502.25/23/960.38426929831,2-Dichloropropane (5)09209-020.3 UEPA 502.25/23/960.384269
7734Dichloromethane (5)09209-020.5 UEPA 502.25/23/960.5842692968o-Dichlorobenzene (600)09209-020.5 UEPA 502.25/23/960.5842692969p-Dichlorobenzene (75)09209-020.5 UEPA 502.25/23/960.5842692976Vinyl chloride (1)09209-020.5 UEPA 502.25/23/960.58426929771,1-Dichloroethene (7)09209-020.5 UEPA 502.25/23/960.5842692979trans-1,2-Dichloroethene (100)09209-020.5 UEPA 502.25/23/960.58426929801,2-Dichloroethane (3)09209-020.2 UEPA 502.25/23/960.28426929811,1,1-Trichloroethane (200)09209-020.3 UEPA 502.25/23/960.3842692982Carbon tetrachloride (3)09209-020.3 UEPA 502.25/23/960.38426929831,2-Dichloropropane (5)09209-020.3 UEPA 502.25/23/960.384269
2968o-Dichlorobenzene (600)09209-020.5 UEPA 502.25/23/960.5842692969p-Dichlorobenzene (75)09209-020.5 UEPA 502.25/23/960.5842692976Vinyl chloride (1)09209-020.5 UEPA 502.25/23/960.58426929771,1-Dichloroethene (7)09209-020.5 UEPA 502.25/23/960.5842692979trans-1,2-Dichloroethene (100)09209-020.5 UEPA 502.25/23/960.58426929801,2-Dichloroethane (3)09209-020.2 UEPA 502.25/23/960.28426929811,1,1-Trichloroethane (200)09209-020.3 UEPA 502.25/23/960.3842692982Carbon tetrachloride (3)09209-020.3 UEPA 502.25/23/960.38426929831,2-Dichloropropane (5)09209-020.3 UEPA 502.25/23/960.384269
2969p-Dichlorobenzene (75)09209-020.5 UEPA 502.25/23/960.5842692976Vinyl chloride (1)09209-020.5 UEPA 502.25/23/960.58426929771,1-Dichloroethene (7)09209-020.5 UEPA 502.25/23/960.5842692979trans-1,2-Dichloroethene (100)09209-020.5 UEPA 502.25/23/960.58426929801,2-Dichloroethane (3)09209-020.2 UEPA 502.25/23/960.28426929811,1,1-Trichloroethane (200)09209-020.3 UEPA 502.25/23/960.3842692982Carbon tetrachloride (3)09209-020.3 UEPA 502.25/23/960.38426929831,2-Dichloropropane (5)09209-020.3 UEPA 502.25/23/960.384269
2976Vinyl chloride (1)09209-020.5 UEPA 502.25/23/960.58426929771,1-Dichloroethene (7)09209-020.5 UEPA 502.25/23/960.5842692979trans-1,2-Dichloroethene (100)09209-020.5 UEPA 502.25/23/960.58426929801,2-Dichloroethane (3)09209-020.2 UEPA 502.25/23/960.28426929811,1,1-Trichloroethane (200)09209-020.3 UEPA 502.25/23/960.3842692982Carbon tetrachloride (3)09209-020.3 UEPA 502.25/23/960.38426929831,2-Dichloropropane (5)09209-020.3 UEPA 502.25/23/960.384269
29771,1-Dichloroethene (7)09209-020.5 UEPA 502.25/23/960.5842692979trans-1,2-Dichloroethene (100)09209-020.5 UEPA 502.25/23/960.58426929801,2-Dichloroethane (3)09209-020.2 UEPA 502.25/23/960.28426929811,1,1-Trichloroethane (200)09209-020.3 UEPA 502.25/23/960.3842692982Carbon tetrachloride (3)09209-020.3 UEPA 502.25/23/960.38426929831,2-Dichloropropane (5)09209-020.3 UEPA 502.25/23/960.384269
2979trans-1,2-Dichloroethene (100)09209-020.5UEPA 502.25/23/960.58426929801,2-Dichloroethane (3)09209-020.2UEPA 502.25/23/960.28426929811,1,1-Trichloroethane (200)09209-020.3UEPA 502.25/23/960.3842692982Carbon tetrachloride (3)09209-020.3UEPA 502.25/23/960.38426929831,2-Dichloropropane (5)09209-020.3UEPA 502.25/23/960.384269
29801,2-Dichloroethane (3)09209-020.2UEPA 502.25/23/960.28426929811,1,1-Trichloroethane (200)09209-020.3UEPA 502.25/23/960.3842692982Carbon tetrachloride (3)09209-020.3UEPA 502.25/23/960.38426929831,2-Dichloropropane (5)09209-020.3UEPA 502.25/23/960.384269
29811,1,1-Trichloroethane (200)09209-020.3 UEPA 502.25/23/960.3842692982Carbon tetrachloride (3)09209-020.3 UEPA 502.25/23/960.38426929831,2-Dichloropropane (5)09209-020.3 UEPA 502.25/23/960.384269
2982 Carbon tetrachloride (3)09209-020.3 UEPA 502.25/23/960.3842692983 1.2-Dichloropropane (5)09209-020.3 UEPA 502.25/23/960.384269
2983 1.2-Dichloropropane (5) 09209-02 0.3 U EPA 502.2 5/23/96 0.3 84269
2984 Trichloroethene (3) 09209-02 0.2 U EPA 502.2 5/23/96 0.2 84269
2985 1,1,2-Trichloroethane (5) 09209-02 0.3 U EPA 502.2 5/23/96 0.3 84269
2987 Tetrachloroethene (3) 09209-02 0.2 U EPA 502.2 5/23/96 0.2 84269
2989 Monochlorobenzene (100) 09209-02 0.5 U EPA 502.2 5/23/96 0.5 84269
2990 Benzene (1) 09209-02 0.5 U EPA 502.2 5/23/96 0.5 84269
2991 Toluene (1,000) 09209-02 1.6 EPA 502.2 5/23/96 0.5 84269
Ethylbenzene (700) 09209-02 0.56 EPA 502.2 5/23/96 0.5 84269
29 Styrene (100) 09209-02 0.5 U EPA 502.2 5/23/96 0.5 84269

U - Analyte was not detected; indicated concentration is method detection limit.

STYRF #15, #8181

.

SPWRF #15, #8181

UNREGULATED GROUP I ANALYSIS 62-550,405 (PWS035)

.

neter NAME (MCL ug/l)	Sample Number	Analysis <u>Result (ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	_MDL	Lab ID
Carbaryl	09209-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
Methomyl	09209-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
Aldicarb sulfoxide	09209-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
Aldicarb sulfone	09209-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
Metolachlor	09209-02	0.3 U	EPA 507	5/21/96	0.3	84269
Aldicarb	09209-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
3-Hydroxycarbofuran	09209-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
Propachlor	09209-02	0.05 U	EPA 508	5/21/96	0.05	84269
Aldrin	09209-02	0.01 υ	EPA 508	5/21/96	0.01	84269
Dieldrin	09209-02	0.01 U	EPA 508	5/21/96	0.01	84269
Dicamba	09209-02	0.05 U	EPA 515.1	5/22/96	0.05	84269
Metribuzin	09209-02	0.2 U	EPA 507	5/21/96	0.2	84269
	Carbaryl Methomyl Aldicarb sulfoxide Aldicarb sulfone Metolachlor Aldicarb 3-Hydroxycarbofuran Propachlor Aldrin Dieldrin Dicamba	NAME (MCL ug/l)NumberCarbaryl09209-02Methomyl09209-02Aldicarb sulfoxide09209-02Aldicarb sulfone09209-02Aldicarb sulfone09209-02Metolachlor09209-02Aldicarb09209-02Aldicarb09209-02Aldicarb09209-02Aldicarb09209-02Aldicarb09209-02J-Hydroxycarbofuran09209-02Propachlor09209-02Aldrin09209-02Dieldrin09209-02Dicamba09209-02	NAME (MCL ug/l) Number Result (ug/l) Carbaryl 09209-02 0.5 U Methomyl 09209-02 0.5 U Aldicarb sulfoxide 09209-02 0.5 U Aldicarb sulfone 09209-02 0.5 U Aldicarb sulfone 09209-02 0.5 U Metolachlor 09209-02 0.5 U Aldicarb 09209-02 0.5 U Aldricarb 09209-02 0.5 U Propachlor 09209-02 0.05 U Aldrin 09209-02 0.01 U Dieldrin 09209-02 0.01 U	NAME (MCL ug/1) Number Result (ug/1) Method Carbaryl 09209-02 0.5 U EPA 531.1 Methomyl 09209-02 0.5 U EPA 531.1 Aldicarb sulfoxide 09209-02 0.5 U EPA 531.1 Aldicarb sulfone 09209-02 0.5 U EPA 531.1 Aldicarb sulfone 09209-02 0.5 U EPA 531.1 Metolachlor 09209-02 0.5 U EPA 531.1 Aldicarb 09209-02 0.5 U EPA 531.1 Metolachlor 09209-02 0.5 U EPA 531.1 Metolachlor 09209-02 0.5 U EPA 531.1 J-Hydroxycarbofuran 09209-02 0.5 U EPA 531.1 Propachlor 09209-02 0.05 U EPA 508 Aldrin 09209-02 0.01 U EPA 508 Dieldrin 09209-02 0.01 U EPA 508 Dieldrin 09209-02 0.05 U EPA 508	NAME (MCL ug/1)NumberResult (ug/1)MethodDateCarbaryl09209-020.5 UEPA 531.15/30/96Methomyl09209-020.5 UEPA 531.15/30/96Aldicarb sulfoxide09209-020.5 UEPA 531.15/30/96Aldicarb sulfone09209-020.5 UEPA 531.15/30/96Aldicarb sulfone09209-020.5 UEPA 531.15/30/96Metolachlor09209-020.5 UEPA 531.15/30/96Aldicarb09209-020.3 UEPA 5075/21/96Aldicarb09209-020.5 UEPA 531.15/30/963-Hydroxycarbofuran09209-020.5 UEPA 531.15/30/96Propachlor09209-020.5 UEPA 531.15/30/96Aldrin09209-020.5 UEPA 531.15/30/96Dieldrin09209-020.05 UEPA 5085/21/96Dicamba09209-020.01 UEPA 5085/21/96	NAME (MCL ug/1) Number Result (ug/1) Method Date MDL Carbaryl 09209-02 0.5 U EPA 531.1 5/30/96 0.5 Methomyl 09209-02 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb sulfoxide 09209-02 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb sulfone 09209-02 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb sulfone 09209-02 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb sulfone 09209-02 0.5 U EPA 507 5/21/96 0.3 Aldicarb 09209-02 0.5 U EPA 531.1 5/30/96 0.5 3-Hydroxycarbofuran 09209-02 0.5 U EPA 531.1 5/30/96 0.5 Propachlor 09209-02 0.5 U EPA 508 5/21/96 0.05 Aldrin 09209-02 0.01 U EPA 508 5/21/96 0.01 Dieldrin 09209-02 0.01 U EPA 508 5/21/96

U - Analyte was not detected; indicated concentration is method detection limit.

.

STWRF #15, #8181

UNREGULATED GROUP II ANALYSIS 62~550.410 (PWSO34)

Paran <u>ID</u>	æter <u>NAME (MCL ug/l)</u>	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2210	Chloromethane	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2212	Dichlorodifluoromethane	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2214	Bromomethane	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2216	Chloroethane	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2218	Trichlorofluoromethane	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2251	Methyl-tert-butyl-ether	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2408	Dibromomethane	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2410	1,1-Dichloropropene	09209-02	0.3 U	EPA 502.2	5/23/96	0.3	84269
2**2	1,3-Dichloropropane	09209-02	0.3 U	EPA 502.2	5/23/96	0.3	84269
٤. ٢	1,3-Dichloropropene	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
4	1,2,3-Trichloropropane	09209-02	0.3 U	EPA 502.2	5/23/96	0.3	84269
2416	2,2-Dichloropropane	09209-02	0.3 U	EPA 502.2	5/23/96	0.3	84269
2941	Chloroform	09209-02	1.8	EPA 502.2	5/23/96	0.2	84269
2942	Bromoform	09209~02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2943	Bromodichloromethane	09209-02	0.3 U	EPA 502.2	5/23/96	0.3	84269
2944	Dibromochloromethane	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2965	o-Chlorotoluene	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2966	p-Chlorotoluene	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2967	m-Dichlorobenzene	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269
2978	1.1-Dichloroethane	09209-02	0.3 U	EPA 502.2	5/23/96	0.3	84269
2986	1,1,1,2-Tetrachloroethane	09209~02	0.3 U	EPA 502.2	5/23/96	0.3	84269
2988	1,1,2,2-Tetrachloroethane	09209-02	0.3 U	EPA 502.2	5/23/96	0.3	84269
2993	Bromobenzene	09209-02	0.5 U	EPA 502.2	5/23/96	0.5	84269

SOWRF #15, #8181

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

.

Parameter <u>ID NAME (MCL ug/l)</u>	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis Date	MDL	Lab ID
2262 Isophorone	09209-02	1 U	EPA 609	5/21/96	1	84269
2270 2.4-Dinitrotoluene	09209-02	1 U	EPA 609	5/21/96	1	84269
2282 Dimethylphthalate	09209-02	1 U	EPA 506	5/16/96	1	84269
2284 Diethylphthalate	09209-02	1 U	EPA 506	5/16/96	1	84269
2290 Di-n-butylphthalate	09209-02	1 U	EPA 506	5/16/96	1	84269
2294 Butyl benzyl phthalate	09209-02	1 U	EPA 506	5/16/96	1	84269
9089 Di-n-octylphthalate	09209-02	1 U	EPA 506	5/16/96	1	84269
9108* 2-Chlorophenol	09209-02	5 U	EPA 604	5/16/96	5	84269
9112* 2-Methyl-4,6-dinitrophenol	0 92 09-02	20 U	EPA 604	5/16/96	20	84269
د .i* Phenol	09209-02	5 U	EPA 604	5/16/96	5	84269
6* 2,4,6-Trichlorophenol	09209-02	10 U	EPA 604	5/16/96	10	84269

May 31	, 1996	11:56	CERTIFICATE O RESULTS BY S		Page	1
	LABORATO 6821 SW AL	RONMENTAL DRIES, INC. RCHER ROAD LLE, FL 32608	ANALYZED BY:	PBS&J Environmental Laboratorie 6635 East Colonial Drive Orlando, FL 32807	es	
	PAUL BERM	,		Phone: (407) 277-4443 Fax: (407) 382-8794		

. •

.

This is to certify that the following samples were analyzed using good laboratory practices to show the following results.

Sample ID: SRWRF PILOT		Lab ID:	9605277-01	Collected: 05	5/14/96 17:0	0:00
TEST	RESULT	UNITS	METHOD	EXTRACTED	ANALYZED	BY
ALPHA, TOTAL ALPHA-counting error RADIUM 226 IN WATER RADIUM 226-counting error	13.8 3.2 0.4 0.1	pCi/L pCi/L pCi/L pCi/L	EPA 900.0 EPA 900.0 EPA 903.1 EPA 903.1		05/22/96 05/22/96 05/29/96 05/29/96	cd cd cd cd
Sample ID: SRWRF #15		Lab ID:	9605277-02	Collected: 05	5/15/96 15:0	0:00
TEST	RESULT	UNITS	METHOD	EXTRACTED	ANALYZED	BY
ALPHA, TOTAL ALPHA-counting error RADIUM 226 IN WATER RADIUM 226-counting error	11.4 2.7 0.9 0.1	pCi/L pCi/L pCi/L pCi/L	EPA 900.0 EPA 900.0 EPA 903.1 EPA 903.1		05/22/96 05/22/96 05/29/96 05/29/96	cd cd cd cd cd



3437 s.w. 24th avenue • gainesville, fiorida 32607 • 352-372-0436 • fax 352-378-6483

Report No. 78230 Subject: SRWRF 115 LAB ID 131482 Received: MAY 16 1996

Date MAY 18 1996

DHRS/DEP # 82135/E8203;

TOM PARK PPB ENVIRONMENTAL LAB 6821 SW ARCHER ROAD GAINESVILLE, FL 32608

RESULTS OF ANAL	YSIS		ANALYSIS METHOD				RESULT	<u>ANALYST</u>	ANALYSIS DATE/TIM
Sample 1 SRWRF	<u>115 L</u>	<u>AB ID 13</u>	1482 05/15/96	03:00PM					
FOAMING AGENTS	(SURFA)	CTANTS)	EPA 425.1		\leq	.025	MG/L	JP	05/16/96 01:00

Respectfully Submitted for ABC Research

Victor Kowalski, PhD

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFO	RMATION (to be completed b	y system or lab)	
System Name:		I.D. #:	
Address: Type (check one): () Communi	ty () Nontransient Noncom	Phone #: ()
SAMPLE INFORMATION (to be	completed by sampler)		
Sample Date (MMDDYY):/	/ Sample Time:	···	
Sample Location (be specific):			
Sampler Name and Phone:			<u>)</u>
Sampler's Signature:		Ť	itle:
	e () Thm Max Re	MCL () Resample es Time () Plant Tap () Composite of Multiple Sit	
LABORATORY CERTIFICATION	INFORMATION (to be compl	eted by lab) – ATTACH HRS ANA	LYTE SHEET*
Lab Name: PPB Environmental	Laboratories, Inc.	HRS #: <u>82282</u> Ex	piration Date:
Address:6821 SW Archer Re	oad, Gainesville, FL 32608	Pho	one #: <u>(352) 377-2349</u>
Subcontracted Lab HRS #: 8317	<u>0, 82135, 84269</u> – ATT	ACH HRS ANALYTE SHEET FOR S	UBCONTRACTED LAB, TOO*
ANALYSIS INFORMATION (to b	e completed by lab) – SAMPI	E NUMBER: 131509 57	RWRT #16
Date Sample(s) Received: _ 5/17.	/96 Group(s) Anal	yzed & Results attached for complia	nce with 62-550, F.A.C.:
() Nitrate Only	() Nitrite Only	() Asbestos Only	(x) Trihalomethanes
Inorganics⊶ () All 17 (x) Partial	Volatile Organics– (x) All 21 () Partial		Pesticide/PCBs– ()All 30 (x)Partial
	Group II Unregulateds (x) All 23 ()Partial	Group III Unregulateds– (x) All 11 () Partial	Radiochemicals- (x) Single Sample () Qtrly Composite**
		**Provide radiochemical sample da	
I, Paul Berma	<u> </u>	o HEREBY CERTIFY that all attache	ed analytical data are correct.
Signature	l Berni		
Title QA Officer		·····	Date <u>6/11/96</u>
COMPLIANCE INFORMATION (to	be completed by State)		
Sample Collection Satisfactory: _	Sar	nple Analysis Satisfactory:	
Resample Requested for:		Reason:	
Person notified to resample:			
DEP/HRS Reviewing Official:			

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample. Effective January 1995

÷ 6.

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	Analysis	MDL	Lab
ID	<u>Name</u>	(MCL mg/l)	Number	Result (mg/l)	<u>Method</u>	<u>Date</u>	(mg/l)	ID
1005	ARSENIC	(.05)	131509	0.001 U	SM 3113B	06/08/96	0.001	82282
1010	BARIUM	(2)	131509	0.029	EPA 200.7	05/30/96	0.001	82282
1015	CADMIUM	(.005)	131509	0.0001 U	SM 31138	06/01/96	0.0001	82282
1020	CHROMIUM	(0.1)	131509	0.009	EPA 200,7	05/30/96	0.005	82282
1024	CYANIDE	(0.2)	131509	0.004 U	SM 4500CNE	05/20/96	0.004	82282
1025	Fluoride	(4)	131509	0.54	SM 4500FC	05/28/96	0.02	82282
1030	LEAD	(0.015)	131509	0.001 Ų	SM 3113B	05/29/96	0.001	82282
1035	MERCURY	(0.002)	131509	0.00005 U	EPA 245.1	05/21/96	0.00005	82282
1036	NICKEL	(0.1)	131509	0.030 U	EPA 200.7	05/30/96	0.030	82282
1040	NITRATE	(10)	131509	0.616	EPA 353.2	05/23/96	0.004	82282
1041	NITRITE	(1)	131509	0.308	EPA 353.2	05/17/96	0.003	82282
1045	SELENIUM	(0.05)	131509	0.005 K	SM 3113B	06/08/96	0.001	82282
1052	SODIUM	(160)	131509	125	EPA 200.7	05/30/96	0.05	82282
1074	ANTIMONY	(0.006)	131509	0.003 U	SM 3113B	06/12/96	0.003	82282
1075	BERYLLIUM	(0.004)	131509	0.004 K	EPA 200.7	05/30/96	0.003	82282
1085	THALLIUM	(0.002)	131509	0.002 U	EPA 200.9	05/30/96	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	neter		Sample	Analysis*	Analysis	Analysis	MDL	Lab
<u>D</u>	<u>Name</u>	(MCL mg/I)	Number	Result (mg/l)	Method	Date	<u>(mg/l)</u>	ID
1002	ALUMINUM	(0.2)	131509	1.38	EPA 200.7	05/30/96	0.01	82282
1017	CHLORIDE	(250)	131509	73.5	EPA 325.2	06/01/96	0.3	82282
1022	COPPER	(1)	131509	0.01 Ų	EPA 200.7	05/30/96	0.01	82282
1020	FLUORIDE	(2.0)	131509	0.54	SM 4500FC	05/28/96	0,02	82282
1028	IRON	(0.3)	131509	14.5	EPA 200.7	05/30/96	0.005	82282
1032	MANGANESE	(0.05)	131509	0.349	EPA 200.7	05/30/96	0.005	82282
1050	SILVER	(0.1)	131509	0.0001 U	SM 3113B	06/04/96	0.0001	82282
1055	SULFATE	(250)	131509	72.5	EPA 375.4	05/20/96	1	82282
1095	ZINC	(5)	131509	0.015	EPA 200.7	05/30/96	0.004	82282
<u>1905</u>	COLOR	(15 color units)	131509	250	SM 2120B	05/17/96	5	82282
1920	ODOR (3 thr	eshold odor number)	131509	10	SM 2150B	05/17/96	1	82282
1925	РH	(6.5-8.5)	131509	7.5	EPA 150.1	05/17/96		82282
1930	TOTAL DISSOL	VED SOLIDS (500)	131509	468	SM 2540C	05/20/96	3	82282
2905	FOAMING AGEN	NTS (0.5)	131509	0.025 U	SM 5540C	05/16/96	0.025	82135

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

PAGE 04

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran <u>ID</u>	neter <u>Name</u>	(MCL_mg/l)	Sample <u>Number</u>	Analysis Result (mg/l)	Analysis <u>Method</u>	Analysis <u>Date</u>	<u>MDL</u>	Lab ID
2950	TOTAL THMS	(0.10)	09220-01	0.0072	EPA 502.2	05/23/96	0.0015	84269

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Paran <u>ID</u>	neter <u>Name</u>	(MCL pCi/l)	Sample <u>Number</u>	Analysis <u>Result (pCi/l)</u>	Analysis <u>Method</u>	Analysis Date Error	Lab <u>ID</u>
4000 4012	GROSS ALPHA PHOTON EMITT	ERS	131509 NA	5.9 ± 3.2	EPA 900.0	05/24/96 1	83170
4020 4030 4101	RADIUM-226 RADIUM-228 MAN-MADE BET/	4	131509 131509 NA	2.0 ± 0.2	EPA 903.1 BROOKS/BLANC	05/29/96 1 1	83170 83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA \cong NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 82-550.310(2)(B) (PWS028)

Parar	neter		Sample	Analysis	Apolysis	Amalasta	
<u>1D</u>	<u>Name</u>	<u>(MCL_µg/I)</u>	<u>Number</u>	Result (µg/l)	Analysis Mothed	Analysis Data MDI	Lab
		tinge Maul	<u>rtanieor</u>	Nebuli (pur)	<u>Method</u>	Date MDL	ID
2378	1,2,4-TRICHLOROBENZEN	≡ (70)	09220-01	0.5 U	EPA 502.2		64000
2380	CIS-1,2-DICHLOROETHYLE		09220-01	0.2 U		05/23/96 0.5	84269
2955	XYLENES (TOTAL)	(10,000)	09220-01		EPA 502.2	05/23/96 0.2	84269
2964	DICHLOROMETHANE			0.5 U	EPA 502.2	05/23/96 0.5	84269
2968	O-DICHLOROBENZENE	(5)	09220-01	0.5 U	EPA 502.2	05/23/96 0.5	84269
2969	PARA-DICHLOROBENZENE	(600)	09220-01	0.5 U	EPA 502.2	05/23/96 0.5	84269
2976	VINYL CHLORIDE	(75)	09220-01	0.5 U	EPA 502.2	05/23/98 0.5	84269
2977		(1)	09220-01	0.5 U	EPA 502.2	05/23/98 0.5	84269
2979	1,1-DICHLOROETHYLENE	(7)	09220-01	0.5 U	EPA 502.2	05/23/96 0.5	84269
	TRANS-1,2-DICHLOROETH		09220-01	0.5 U	EPA 502.2	05/23/96 0.5	84269
2980	1,2-DICHLOROETHANE	(3)	09220-01	0.2 U	EPA 502.2	05/23/96 0.2	84269
2981	1.1.1-TRICHLOROETHANE	(200)	09220-01	0.3 Ú	EPA 502.2	05/23/96 0.3	84269
2982	CARBON TETRACHLORIDE	(3)	09220-01	0.3 U	EPA 502.2	05/23/96 0.3	
2983	1,2-DICHLOROPROPANE	(5)	09220-01	0.3 U	EPA 502.2	05/23/96 0.3	84269
2984	TRICHLOROETHYLENE	(3)	09220-01	0.2 U	EPA 502.2		84269
2985	1,1,2-TRICHLOROETHANE	(5)	09220-01	0.3 U		05/23/96 0.2	84269
2987	TETRACHLOROETHYLENE	(3)	09220-01	0.3 U 0.2 U	EPA 502.2	05/23/98 0.3	84269
2989	MONOCHLOROBENZENE	(100)	09220-01	0.2 U 0.5 U	EPA 502.2	05/23/96 0.2	84269
2990	BENZENE	(1)	09220-01		EPA 502.2	05/23/96 0.5	84269
2991	TOLUENE	(1,000)		0.5 U	EPA 502.2	05/23/96 0.5	84269
2992	ETHYLBENZENE	(700)	09220-01	5.0	EPA 502.2	05/23/96 0.5	84269
2996	STYRENE	(100)	09220-01	0.97	EPA 502.2	05/23/96 0.5	84269
		(100)	09220-01	0.5 U	EPA 502.2	05/23/96 0.5	84269

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

				,				
Param	neter		Sample	Analysis	Analysis	Analysis		Lab
<u>HD</u>	<u>Name</u>	<u>(MCL µg/l)</u>	<u>Number</u>	Result (µg/l)		Date	MDL	<u>ID</u>
2005	ENDRIN	(2)	09220-01	0.01 U	EPA 508	05/22/96	0.01	84269
2010	LINDANE	(.2)	09220-01	0.01 U	EPA 508	05/22/96	0.01	84269
2015	METHOXYCHLOR	(40)	09220-01	0.02 U	EPA 508	05/22/96	0.02	84269
2020	TOXAPHENE	(3)	09220-01	0.2 U	EPA 508	05/22/96	0.2	84269
2031	DALAPON	(200)	09220-01	1 U	EPA 515.1	05/22/96	1	84269
2032	DIQUAT	(20)	09220-01	8 K1		05/23/96	4	84269
2033	ENDOTHALL	(100)	09220-01	10 U	EPA 548	05/23/96	10	84269
2034	GLYPHOSATE	(700)	09220-01	10 U	EPA 547	05/24/96	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	09220-01	1 U	EPA 506	05/22/96	1	84269
2036	Oxamyl (Vydate)	(200)	09220-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2037	SIMAZINE	(4)	09220-01	0.1 U	EPA 507	05/22/96	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALAT	E (6)	09220-01	1.2	EPA 506	05/22/96	1	84269
2040	PICLORAM	(500)	09220-01	0.2 U	EPA 515.1	05/22/96	0.2	84269
2041	DINOSEB	(7)	09220-01	0.2 U	EPA 515.1	05/22/96	0.2	84269
2042	HEXACHLOROCYCLOPENTADI	ene (50)	09220-01	0.1 U	EPA 505	05/21/96	0.1	84269
2046	CARBOFURAN	(40)	09220-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2050	ATRAZINE	(3)	09220-01	0.1 U	EPA 507	05/22/96	0.1	84269
2051	Alachlor	(2)	09220-01	0.3 U	EPA 507	05/22/96	0.3	84269
2063	2,3,7,8-TCDD (DIOXIN)	(.00003)	09220-01		EPA			84269
2065	HEPTACHLOR	(.4)	09220-01	0.01 U	EPA 508	05/22/96	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	09220-01	0.01 U	EPA 508	05/22/96	0.01	84269
2105	2,4-D	(70)	09220-01	0.5 U	EPA 515.1	05/22/96	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	09220-01	0.05 U	EPA 515.1	05/22/96	0.05	84269
2274	HEXACHLOROBENZENE	(1)	09220-01	0.01 U	EPA 508	05/22/96	0.01	84269
2306	BENZO(A)PYRENE	(.2)	09220-01	0.01 U	EPA 550	05/22/96	0.01	84269
2326	PENTACHLOROPHENOL	(1)	09220-01	0.05 U	EPA 515.1	05/22/96	0.05	84269
2383	PCB	(.5)	09220-01	0.05 U	EPA 508	05/22/96	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	09220-01	0.005 U	EPA 504	05/22/96	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	09220-01	0.005 U	EPA 504	05/22/96	0.005	84269
2959	CHLORDANE	(2)	09220-01	0.05 U	EPA 508	05/22/96	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param	eter		Sample	Analysis	Analysis	Analysis		Lab
ID	<u>Name</u>	(MCL µg/I)	<u>Number</u>	<u>Result (µg/l)</u>	Method	Date	<u>MDL</u>	<u>ID</u>
2021	CARBARYL		09220-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2022	METHOMYL		09220-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2043	ALDICARB SULFOXIDE		09220-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2044	ALDICAR8 SULFONE		09220-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2045	METOLACHLOR		09220-01	0.3 U	EPA 507	05/22/96	0.3	84269
2047	ALDICARB		09220-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2066	3-HYDROXYCARBOFURAN		09220-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2077	PROPACHLOR		09220-01	0.05 U	EPA 508	05/22/96	0.05	84269
2356	ALDRIN		09220-01	0.01 U	EPA 508	05/22/96	0.01	84269
2364	DIELDRIN		09220-01	0.01 U	EPA 508	05/22/96	0.01	84269
2440	DICAMBA		09220-01	0.05 U	EPA 515.1	05/22/96	0.05	84269
2595	Metribuzin		09220-01	0.2 U	EPA 507	05/22/96	0.2	84269

J - Analyte was not detected; indicated concentration is method detection limit.

K - Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor.

- Reduced sample volume used for analysis due to interference from sediment.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Param <u>ID</u>	neter <u>Name (MCL µg/I)</u>	Sample <u>Number</u>	Analysis <u>Resuit (µg/i)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	<u>MDL</u>	Lab <u>ID</u>
2210	CHLOROMETHANE	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2212	DICHLORODIFLUOROMETHANE	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2214	BROMOMETHANE	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2216	CHLOROETHANE	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2218	TRICHLOROFLUOROMETHANE	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2408	DIBROMOMETHANE	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2410	1,1-DICHLOROPROPYLENE	09220-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2412	1,3-DICHLOROPROPANE	09220-01	0.3 Ŭ	EPA 502.2	05/23/96	0.3	84269
2413	1,3-DICHLOROPROPENE	09220-01	0.5 Ŭ	EPA 502.2	05/23/96	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	09220-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2416	2,2-DICHLOROPROPANE	09220-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2941	CHLOROFORM	09220-01	6.6	EPA 502.2	05/23/96	0.2	84269
2942	BROMOFORM	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2943	BROMODICHLOROMETHANE	09220-01	0.56	EPA 502.2	05/23/96	0.3	84269
2944	DIBROMOCHLOROMETHANE	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2965	O-CHLOROTOLUENE	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2966	P-CHLOROTOLUENE	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2967	M-DICHLOROBENZENE	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2978	1,1-DICHLOROETHANE	09220-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2986	1,1,1,2-TETRACHLOROETHANE	09220-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2988	1,1,2,2-TETRACHLOROETHANE	09220-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2993	BROMOBENZENE	09220-01	0.5 U	EPA 502.2	05/23/96	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param <u>ID</u>	leter <u>Name (MCL µg/l)</u>	Sample <u>Number</u>	Analysis <u>Result (µg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	<u>MDL</u>	Lab <u>ID</u>
2262	ISOPHORONE	09220-01	1 U	EPA 609	05/22/96	1	84269
2270	2,4-DINITROTOLUENE	09220-01	1 U	EPA 609	05/22/96	1	84269
2282	DIMETHYLPHTHALATE	09220-01	1 U	EPA 506	05/22/96	1	84269
2284	DIETHYLPHTHALATE	09220-01	1 U	EPA 506	05/22/96	1	84269
2290	DI-N-BUTYLPHTHALATE	09220-01	1 U	EPA 506	05/22/96	1	84269
2294	BUTYL BENZYL PHTHALATE	09220-01	1 Ų	EPA 506	05/22/96	1	84269
9089	DIOCTYLPHTHALATE	09220-01	10	EPA 506	05/22/96	1	84269
9108*	2-CHLOROPHENOL	09220-01	5 U	EPA 604	05/23/96	5	84269
9112*	2-METHYL-4,6-DINITROPHENOL	09220-01	20 U	EPA 604	05/23/96	20	84269
9115*	Phenol	09220-01	5 U	EPA 604	05/23/96	5	84269
9116*	2,4,6-TRICHLOROPHENOL	09220-01	10 U	EPA 604	05/23/96	10	84269

U - Analyte was not detected; indicated concentration is method detection limit.

۰.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

COLIFORM ANALYSIS

Para	meter	Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name (MCL μg/l)</u>	Number	<u>Result (µg/I)</u>	Method	Date	MDL	<u>ID</u>
	TOTAL COLIFORMS (MPN)	131509	1,600 M		05/20/96	1	82135
	FECAL COLIFORMS (MPN)	131509	8		05/20/96	1	82135

M - Off-scale high. Actual value is known to be greater than value given.

.



ort No. 78312 Date MAY 20 1996 Sujecta WATER REC'D 10:450M BY C. TIEDEMANN ANALYSIS BEBUN 10:450M Received: MAY 17 1996

TOP PARK PPB ENVIRONMENTAL LAB 682% OW ARCHER ROAD GAINESVILLE, FL 32609

R

Client & 2843 Phone: (332) 377-2349 Fax: (352) 395-6639

RESULTS OF ANALYSIS

Sample 1 SRWPF16 5/16/96 11:30 131509

TOTAL COLIFORMS (MEN) FECAL COLIFORMS (MPN)

>1,600 / 100ML 8 / 100ML

Additional Notes & Comments for Sample Report 78312 MAMPLE WAS RECEIVED OUT OF HOLDING TIME FOR COMPLIANCE PURPOSES.

tted for page Respectfulls SUDIE Research Catherine Ayany

Manager of Analytical Migrobiology

TRIHALOMETHANE ANALYSIS 62-550.310(2)(a)

(PWS027)

Param ID	eter NAME (MCL ug/l)		-	Analyt. Method	Analysis <u>Date</u>	MDL	Lab ID
2950	Total THMs (0.10)	09220-01	0.0072	EPA 502.2	5/23/96	0.0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b) (PWS028)

Param ID	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis <u>Date</u>	_ MDL	Lab ID
2378	1,2,4-Trichlorobenzene (70)	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2380	cis-1,2-Dichloroethene (70)	09220-01	0.2 U	EPA 502.2	5/23/96	0.2	84269
5	Xylenes (Total) (10,000)	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2964	Dichloromethane (5)	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
r 168	o-Dichlorobenzene (600)	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2969	p-Dichlorobenzene (75)	0922001	0.5 U	EPA 502.2	5/23/96	0.5	84269
2976	Vinyl chloride (1)	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2977	1,1-Dichloroethene (7)	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2979	trans-1,2-Dichloroethene (100)	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2980	1,2-Dichloroethane (3)	09220-01	0.2 U	EPA 502.2	5/23/96	0.2	84269
2981	1,1,1-Trichloroethane (200)	09220~01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2982	Carbon tetrachloride (3)	09220-01	0.3 U	EPA 502.2	5/23/95	0.3	84269
2983	1,2-Dichloropropane (5)	09220-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2984	Trichloroethene (3)	09220-01	0.2 U	EPA 502.2	5/23/96	0.2	84269
2985	1,1,2-Trichloroethane (5)	09220-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2987	Tetrachloroethene (3)	09220-01	0.2 U	EPA 502.2	5/23/96	0.2	84269
2989	Monochlorobenzene (100)	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2990	Benzene (1)	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2991	Toluene (1,000)	09220-01	5.0	EPA 502.2	5/23/96	0.5	84269
2	Ethylbenzene (700)	09220-01	0.97	EPA 502.2	5/23/96	0.5	84269
2996	Styrene (100)	09220-01	0.5 V	EPA 502.2	5/23/96	0.5	84269

Analyte was not detected; indicated concentration is method detection limit.

SKWRF 16

SHWRF 16

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

,

	nalysis esult(ug/l)	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2005 Endrin (2) 09220-01	0.01 U	EPA 508	5/22/96	0.01	84269
2010 Lindane (.2) 09220-01	0.01 U	EPA 508	5/22/96	0.01	84269
2015 Methoxychlor (40) 09220-01	0.02 U	EPA 508	5/22/96	0.02	84269
2020 Toxaphene (3) 09220-01	0.2 U	EPA 508	5/22/96	0.2	84269
2031 Dalapon (200) 09220-01	1 U	EPA 515.1	5/22/96	1	84269
2032 Diguat (20) 09220-01	8 K1	EPA 549.1	5/23/96	4	84269
2033 Endothall (100) 09220-01	10 U	EPA 548	5/23/96	10	84269
2034 Glyphosate (700) 09220-01	10 U	EPA 547	5/24/96	10	84269
2035 Di(2-ethylhexyl)adipate (400) 09220-01	1 U	EPA 506	5/22/96	1	84269
2036 Oxamyl (Vydate) (200) 09220-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2037 Simazine (4) 09220-01	0.1 U	EPA 507	5/22/96	0.1	84269
. Di(2-ethylhexyl)phthalate (6) 09220-01	1.2	EPA 506	5/22/96	1	84269
2040 Picloram (500) 09220-01	0.2 U	EPA 515.1	5/22/96	0.2	84269
7 1 Dinoseb (7) 09220-01	0.2 U	EPA 515.1	5/22/96	0.2	84269
2042 Hexachlorocyclopentadiene (50) 09220-01	0.1 U	EPA 505	5/21/96	0.1	84269
2046 Carbofuran (40) 09220-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2050 Atrazine (3) 09220-01	0.1 U	EPA 507	5/22/96	0.1	84269
2051 Alachlor (2) 09220-01	0.3 U	EPA 507	5/22/96	0.3	84269
2065 Heptachlor (.4) 09220-01	0.01 U	EPA 508	5/22/96	0.01	84269
2067 Heptachlor epoxide (.2) 09220-01	0.01 U	EPA 508	5/22/96	0.01	84269
2105 2,4-D (70) 09220-01	0.5 U	EPA 515.1	5/22/96	0.5	84269
2110 2,4,5-TP (Silvex) (50) 09220-01	0.05 U	EPA 515.1	5/22/96	0.05	84269
2274 Hexachlorobenzene (1) 09220-01	0.01 U	EPA 508	5/22/96	0.01	84269
2306 Benzo(a)pyrene (.2) 09220-01	0.01 U	EPA 550	5/22/96	0,01	84269
2326 Pentachlorophenol (1) 09220-01	0.05 U	EPA 515.1	5/22/96	0.05	84269
2383 PCBs (.5) 09220-01	0.05 U	EPA 508	5/22/96	0.05	84269
2931 Dibromochloropropane (.2) 09220-01 0	.005 U	EPA 504	5/22/96	0.005	84269
2946 Ethylene dibromide (.02) 09220-01 0	.005 U	EPA 504	5/22/96	0.005	84269
Chlordane (2) 09220-01	0.05 U	EPA 508	5/22/96	0.05	84269

U - Analyte was not detected; indicated concentration is method detection limit.

K Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor. ¹ Reduced sample volume used for analysis due to interference from sediment.

SriwRF 16

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Paran <u>ID</u>	meter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result (ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2021	Carbary]	09220-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2022	Methomy1	09220-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2043	Aldicarb sulfoxide	09220-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2044	Aldicarb sulfone	09220-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2045	Metolachlor	09220~01	0.3 U	EPA 507	5/22/96	0.3	84269
2047	Aldicarb	09220-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2066	3-Hydroxycarbofuran	09220-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2077	Propachlor	09220-01	0.05 U	EPA 508	5/22/96	0.05	84269
2356	Aldrin	09220-01	0.01 U	EPA 508	5/22/96	0.01	84269
ţ	Dieldrin	09220-01	0.01 U	EPA 508	5/22/96	0.01	84269
2440	Dicamba	09220-01	0.05 U	EPA 515.1	5/22/96	0.05	84269
5ר	Metribuzin	09220-01	0.2 U	EPA 507	5/22/96	0.2	84269

ShwRF 16

-

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

•

Para ID	neter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis <u>Date</u>	MDL	Lab ID
2210	Chloromethane	00000 01	A F H				
		09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2212	Dichlorodifluoromethane	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2214	Bromomethane	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2216	Chloroethane	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2218	Trichlorofluoromethane	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2251	Methyl-tert-butyl-ether	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2408	Dibromomethane	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2410	1,1-Dichloropropene	09220-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2412	1,3-Dichloropropane	09220-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
ĸ	1,3-Dichloropropene	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2414	1,2,3-Trichloropropane	09220-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
Г б	2,2-Dichloropropane	09220-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2941	Chloroform	0922001	6.6	EPA 502.2	5/23/96	0.2	84269
2942	Bromoform	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2943	Bromodichloromethane	09220-01	0.56	EPA 502.2	5/23/96	0.3	84269
2944	Dibromochloromethane	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2965	o-Chlorotoluene	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2966	p-Chlorotoluene	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2967	m-Dichlorobenzene	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2978	1,1-Dichloroethane	09220-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2986	1,1,1,2-Tetrachloroethane	09220-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2988	1,1,2,2-Tetrachloroethane	09220-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2993	Bromobenzene	09220-01	0.5 U	EPA 502.2	5/23/96	0.5	84269

U - Analyte was not detected; indicated concentration is method detection limit.

•

SINWRF 16

.

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWSO36 & 037*)

Param <u>ID</u>	neter <u>NAME (MCL ug/])</u>	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2262	Isophorone	09220-01	1 U	EPA 609	5/22/96	1	84269
2270	2,4-Dinitrotoluene	09220-01	1 U	EPA 609	5/22/96	1	84269
2282	Dimethylphthalate	09220-01	1 U	EPA 506	5/22/96	1	84269
2284	Diethylphthalate	0922001	1 U	EPA 506	5/22/96	1	84269
2290	Di-n-butylphthalate	09220-01	1 U	EPA 506	5/22/96	1	84269
2294	Butyl benzyl phthalate	09220-01	1 ป	EPA 506	5/22/96	1	84269
9089	Di-n-octylphthalate	09220-01	1 U	EPA 506	5/22/96	1	84269
9108*	2-Chlorophenol	09220-01	5 U	EPA 604	5/23/96	5	84269
9112*	2-Methyl-4,6-dinitrophenol	09220-01	20 U	EPA 604	5/23/96	20	84269
, *	Phenol	09220-01	5 U	EPA 604	5/23/96	5	84269
9116*	2,4,6-Trichlorophenol	09220-01	10 U	EPA 604	5/23/96	10	84269

This is to certify that the following samples were analyzed using good laboratory practices to show the following results.

Sample ID: SRWRF 16 - 131509 9605310-01 Lab ID: Collected: 05/16/96 15:00:00 TEST RESULT UNITS METHOD EXTRACTED ANALYZED BY ALPHA, TOTAL 5.9 pCi/L EPA 900.0 05/24/96 cđ ALPHA-counting error 3.2 pCi/L EPA 900.0 05/24/96 cd RADIUM 226 IN WATER pCi/L 2.0 EPA 903.1 05/29/96 cđ RADIUM 226-counting error 0.2 pCi/L EPA 903.1 05/29/96 cđ

.



3437 s.w. 24th avenue • gainesville, florida 32607 • 352-372-0436 • fax 352-378-6483

Report No. 78310 Subject: SEWRF16 131509 Received: MAY 17 1996

. .

Date MAY 18 1996

DHRS/DEP # 82135/E8203

TOM PARK PPB ENVIRONMENTAL LAB 6821 SW ARCHER ROAD GAINESVILLE, FL 32608

RESULTS OF ANALYSIS	ANALYSIS METHOD	RESULT	<u>ANAL YST</u>	ANALYSIS DATE/IIM
<u>Sample 1 SEWRF16 131509 05</u> FOAMING AGENTS (SURFACTANT		< .025 MG/L	JP	05/17/96 01:00#

Respectfully Submitted for ABC Research

a 17-

Victor Kowalski, PhD Director, Quality Control

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFORMATION (to be complet	ed by system or lab)
System Name:	t.D. #:
Address:	Phone #: ()
SAMPLE INFORMATION (to be completed by sampler)	
Sample Date (MMDDYY):/ Sample Time:	
Sample Location (be specific):	
Sampler Name and Phone:	()
Sampler's Signature:	Title:
() Clearance () Thm Ma	c of MCL () Resample of Lab Invalidated Sample x Res Time () Plant Tap () Composite of Multiple Sites-Attach a format for each site
LABORATORY CERTIFICATION INFORMATION (to be co	mpleted by lab) – ATTACH HRS ANALYTE SHEET*
Lab Name: PPB Environmental Laboratories, Inc.	HRS #: <u>82282</u> Expiration Date:
Address:6821 SW Archer Road, Gainesville, FL_32608	Phone #: (352) 377-2349
Subcontracted Lab HRS #: _83170, 82135, 84269 - /	ATTACH HRS ANALYTE SHEET FOR SUBCONTRACTED LAB, TOO*
ANALYSIS INFORMATION (to be completed by lab) - SA	MPLE NUMBER: 131322 SRWRF # 17-
Date Sample(s) Received: 5/10/96 Group(s)	Analyzed & Results attached for compliance with 62-550, F.A.C.:
() Nitrate Only () Nitrite Only	() Asbestos Only (x) Tribalomethanes
Inorganics– Volatile Organics– () All 17 (x) Partial (x) All 21 ()Partia	Secondaries– Pesticide/PCBs– I () All 14 () Partial () All 30 (x) Partial
Group I Unregulateds– Group II Unregulateds– () All 13 (x) Partial (x) All 23 () Partia	
	**Provide radiochemical sample dates & locations for each quarter
	, do HEREBY CERTIFY that all attached analytical data are correct.
Signature Paul Berman	
Title QA Officer	Date
COMPLIANCE INFORMATION (to be completed by State)	
Sample Collection Satisfactory:	Sample Analysis Satisfactory:
Resample Requested for:	Reason:
Person notified to resample:	Date Notified:
DEP/HRS Reviewing Official:	

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample.

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name</u>	<u>(MCL mg/l)</u>	<u>Number</u>	<u>Result (mg/l)</u>	Method	Date	<u>(mg/l)</u>	<u>ID</u>
1005	ARSENIC	(.05)	131322	0.005	SM 3113B	06/09/96	0.001	82282
1010	BARIUM	(2)	131322	0.090	EPA 200.7	05/14/96	0.001	82282
1015	CADMIUM	(.005)	131322	0.0006	SM 3113B	05/15/96	0.0001	82282
1020	CHROMIUM	(0.1)	131322	0.038	EPA 200.7	05/14/96	0.005	82282
1024	CYANIDE	(0.2)	131322	0.004 U	SM 4500CNE	05/20/96	0.004	82282
1025	FLUORIDE	(4)	131322	1.28	SM 4500FC	05/28/96	0.02	82282
1030	LEAD	(0.015)	131322	0.007	SM 3113B	05/12/96	0.001	82282
1035	MERCURY	(0.002)	131322	0.0001 K	EPA 245.1	05/15/96	0.00005	82282
1036	NICKEL	(0.1)	131322	0.030 U	EPA 200.7	05/14/96	0.030	82282
1040	NITRATE	(10)	131322	1.14	EPA 353.2	05/16/96	0.004	82282
1041	NITRITE	(1)	131322	0.368	EPA 353.2	05/11/96	0.003	82282
1045	SELENIUM	(0.05)	131322	0.005 U	SM 3113B	06/08/96	0.001	82282
1052	SODIUM	(160)	131322	130	EPA 200.7	05/14/96	0.05	82282
1074	ANTIMONY	(0.006)	131322	0.005	SM 3113B	05/21/96	0.003	82282
1075	BERYLLIUM	(0.004)	131322	0.003 U	EPA 200.7	05/14/96	0.003	82282
1085	THALLIUM	(0.002)	131322	0.002 U	EPA 200.9	05/17/96	0.002	82282
1094	ASBESTOS	(7 MFL)						·

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	Parameter			Analysis*	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name</u>	(MCL mg/l)	<u>Number</u>	<u>Result (mg/l)</u>	Method	Date	<u>(mg/l)</u>	<u>1D</u>
1005	ALUMINUM	(0.2)	131322	10.6	EPA 200.7	05/14/96	0.01	82282
1017	CHLORIDE	(250)	131322	63,4	EPA 325.2	05/14/96	0.3	82282
1022	COPPER	(1)	131322	0.01 U	EPA 200.7	05/14/96	0.01	82282
1020	FLUORIDE	(2.0)	131322	1.28	SM 4500FC	05/28/96	0.02	82282
1028	IRON	(0.3)	131322	3.14	EPA 200.7	05/14/96	0.005	82282
1032	MANGANESE	(0.05)	131322	0.071	EPA 200.7	05/14/96	0.005	82282
1050	SILVER	(0.1)	131322	0.0001 U	SM 3113B	05/20/96	0.0001	82282
1055	SULFATE	(250)	131322	103	EPA 375.4	05/13/96	1	82282
1095	ZINC	(5)	131322	0.009	EPA 200.7	05/14/96	0.004	82282
1905	COLOR	(15 color units)	131322	400	SM 2120B	05/10/96	5	82282
1920	ODOR (3 th	reshold odor number)	131322	2.5	SM 2150B	05/10/96	1	82282
1925	PH	(6.5-8.5)	131322	7.6	EPA 150.1	05/10/96		82282
1930	TOTAL DISSOL	VED SOLIDS (500)	131322	630	SM 2540C	05/10/96	3	82282
2905	FOAMING AGE	NTS (0.5)	131322	0.1 K	SM 5540C	05/10/96	0.025	82282

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran <u>ID</u>	neter <u>Name</u>	(MCL mg/l)	Sampl e <u>Number</u>	Analysis <u>Result (mg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	<u>MDL</u>	Lab ID
2950	TOTAL THMS	(0.10)	09180-01	0.021	EPA 502.2	5/19/96	0.0015	84269

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Param ID	eter <u>Name</u>	(MCL pCi/I)	Sample <u>Number</u>	Analysis Result (pCi/l)	Analysis <u>Method</u>	Analysis <u>Date</u> <u>Error</u>	Lab ID
4000 4012 ⁻	GROSS ALPHA PHOTON EMITTE		09180-01 NA	32.7 ± 5.8	EPA 900.0	05/16/96 1	83170
4020 4030 4101	RADIUM-226 RADIUM-228 MAN-MADE BETA	4	09180-01 09180-01 NA	3.5 ± 0.2 0.3 ± 0.4	EPA 903.1 BROOKS/BLANC	05/23/96 1 05/30/96 1	83170 83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(8) (PWS028)

Paran	neter		Sample	Analysis	Analysis	Analysis	Lab
<u>ID</u>	<u>Name</u>	(MCL µg/I)	<u>Number</u>	Result (ug/l)	Method	Date MDL	<u>ID</u>
							_
2378	1,2,4-TRICHLOROBENZENI		09180-01	0.5 U	EPA 502.2	05/19/96 0.5	84269
2380	CIS-1,2-DICHLOROETHYLE		09180-01	0.2 U	EPA 502.2	05/19/96 0.2	84269
2955	XYLENES (TOTAL)	(10,000)	09180-01	14	EPA 502.2	05/19/96 0.5	84269
2964	DICHLOROMETHANE	(5)	09180-01	0.5 U	EPA 502.2	05/19/96 0.5	84269
2968	O-DICHLOROBENZENE	(600)	09180-01	0.5 U	EPA 502.2	05/19/96 0.5	84269
2969	PARA-DICHLOROBENZENE	(75)	09180-01	0.5 U	EPA 502.2	05/19/98 0.5	84269
2978	VINYL CHLORIDE	(1)	09180-01	0.5 U	EPA 502.2	05/19/96 0.5	84269
2977	1,1-DICHLOROETHYLENE	(7)	09180-01	0.5 U	EPA 502.2	05/19/98 0.5	84269
2979	TRANS-1,2-DICHLOROETH	YLENE (100)	09180-01	0.5 U	EPA 502.2	05/19/98 0.5	84269
2980	1,2-DICHLOROETHANE	(3)	09180-01	0.2 U	EPA 502.2	05/19/98 0.2	84269
2981	1,1,1-TRICHLOROETHANE	(200)	09180-01	0.3 U	EPA 502.2	05/19/98 0.3	84269
2982	CARBON TETRACHLORIDE	(3)	09180-01	0.3 U	EPA 502.2	05/19/98 0.3	84289
2983	1,2-DICHLOROPROPANE	(5)	09180-01	0.3 U	EPA 502.2	05/19/95 0.3	84269
2984	TRICHLOROETHYLENE	(3)	09180-01	0.2 U	EPA 502.2	05/19/96 0.2	84269
2985	1,1,2-TRICHLOROETHANE	(5)	09180-01	0.3 U	EPA 502.2	05/19/95 0.3	84269
2987	TETRACHLOROETHYLENE	(3)	09180-01	0.2 U	EPA 502.2	05/19/98 0.2	84269
2989	MONOCHLOROBENZENE	(100)	09180-01	0.5 U	EPA 502.2	05/19/96 0.5	84269
2990	BENZENE	(1)	09180-01	0.94	EPA 502.2	05/19/96 0.5	84269
2991	TOLUENE	(1,000)	09180-01	14	EPA 502.2	05/19/98 0.5	84269
2992	ETHYLBENZENE	(700)	09180-01	2.6	EPA 502.2	05/19/96 0.5	84269
2996	STYRENE	(100)	09180-01	0.5 U	EPA 502.2	05/19/96 0.5	84269

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

Parameter Sample Analysis Analysis Analysis Analysis Analysis Lab 1D Name (MCL_µg/l) Number Result (µg/l) Method Date MDL 1D 2005 ENDRIN (2) 09180-01 0.01 U EPA 508 05/15/96 0.01 84269 2015 METHOXYCHLOR (40) 09180-01 0.02 U EPA 508 05/15/96 0.02 84269 2020 TOXAPHENE (3) 09180-01 0.2 U EPA 508 05/15/96 0.2 84269 2031 DALAPON (200) 09180-01 1 U EPA 548 05/15/96 1 84269 2032 DIQUAT (20) 09180-01 10 U EPA 548 05/15/96 1 84269 2033 ENDOTHALL (100) 09180-01 10 U EPA 548 05/15/96 1 84269 2036 CL2EHYLHEXYLADIPATE (40) 09180-01 0.5 U EPA 506 05/15/96 <
2005 ENDRIN (2) 09180-01 0.01 U EPA 508 05/15/96 0.01 84269 2010 LINDANE (.2) 09180-01 0.01 U EPA 508 05/15/96 0.01 84269 2015 METHOXYCHLOR (40) 09180-01 0.02 U EPA 508 05/15/96 0.2 84269 2020 TOXAPHENE (3) 09180-01 0.2 U EPA 508 05/15/96 0.2 84269 2031 DALAPON (200) 09180-01 1 U EPA 549.1 05/15/96 4 84269 2032 DIQUAT (20) 09180-01 10 U EPA 549.1 05/15/96 4 84269 2033 ENDOTHALL (100) 09180-01 10 U EPA 549.1 05/15/96 1 84269 2035 DI(2-ETHYLHEXYL)ADIPATE (400) 09180-01 10 U EPA 506 05/15/96 1 84269 2037 SIMAZINE (4) 09180-01 0.1 U EPA 506 05/15/96 1 84269 2039 DI(2-ETHYLHEXYL)PHTHALATE (6)
2010 LINDANE (.2) 09180-01 0.01 U EPA 508 05/15/96 0.01 84269 2015 METHOXYCHLOR (40) 09180-01 0.02 U EPA 508 05/15/96 0.02 84269 2020 TOXAPHENE (3) 09180-01 0.2 U EPA 508 05/15/96 0.2 84269 2031 DALAPON (200) 09180-01 1 U EPA 515.1 05/21/96 1 84269 2032 DIQUAT (20) 09180-01 8 K' EPA 549.1 05/15/96 4 84269 2033 ENDOTHALL (100) 09180-01 10 U EPA 548 05/14/96 10 84269 2035 DI(2-ETHYLHEXYL)ADIPATE (400) 09180-01 10 U EPA 506 05/15/96 1 84269 2036 OXAMYL (VYDATE) (200) 09180-01 0.1 U EPA 506 05/15/96 0.1 84269 2037 SIMAZINE (4) 09180-01 0.1 U EPA 506 05/15/96 1 84269 2039 DI(2-ETHYLHEXYL)PHTHALATE <td< td=""></td<>
2015 METHOXYCHLOR (40) 09180-01 0.02 U EPA 508 05/15/96 0.02 84269 2020 TOXAPHENE (3) 09180-01 0.2 U EPA 508 05/15/96 0.2 84269 2031 DALAPON (200) 09180-01 1 U EPA 515.1 05/21/96 1 84269 2032 DIQUAT (20) 09180-01 8 K' EPA 549.1 05/15/96 4 84269 2033 ENDOTHALL (100) 09180-01 10 U EPA 548 05/14/96 10 84269 2034 GLYPHOSATE (700) 09180-01 10 U EPA 547 05/23/96 10 84269 2035 DI(2-ETHYLHEXYL)ADIPATE (400) 09180-01 1U EPA 506 05/15/96 1 84269 2036 OXAMYL (VYDATE) (200) 09180-01 0.1 U EPA 507 05/15/96 1 84269 2037 SIMAZINE (4) 09180-01 0.1 U EPA 507 05/15/96 1 84269 2040 PICLORAM (500) <td< td=""></td<>
2020 TOXAPHENE (3) 09180-01 0.2 U EPA 508 05/15/96 0.2 84269 2031 DALAPON (200) 09180-01 1 U EPA 515.1 05/21/96 1 84269 2032 DIQUAT (20) 09180-01 8 K ¹ EPA 549.1 05/15/96 4 84269 2033 ENDOTHALL (100) 09180-01 10 U EPA 548 05/14/96 10 84269 2034 GLYPHOSATE (700) 09180-01 10 U EPA 547 05/23/96 10 84269 2035 DI(2-ETHYLHEXYL)ADIPATE (400) 09180-01 1U EPA 506 05/15/96 1 84269 2036 OXAMYL (VYDATE) (200) 09180-01 0.1 U EPA 506 05/15/96 0.1 84269 2037 SIMAZINE (4) 09180-01 0.1 U EPA 506 05/15/96 0.1 84269 2040 PICLORAM (500) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2041 DINOSEB (7) <td< td=""></td<>
2031 DALAPON (200) 09180-01 1 U EPA 515.1 05/21/96 1 84269 2032 DIQUAT (20) 09180-01 8 K1 EPA 549.1 05/15/96 4 84269 2033 ENDOTHALL (100) 09180-01 10 U EPA 548 05/14/96 10 84269 2034 GLYPHOSATE (700) 09180-01 10 U EPA 547 05/23/96 10 84269 2035 DI(2-ETHYLHEXYL)ADIPATE (400) 09180-01 10 U EPA 506 05/15/96 1 84269 2036 OXAMYL (VYDATE) (200) 09180-01 0.5 U EPA 507 05/15/96 0.1 84269 2037 SIMAZINE (4) 09180-01 0.1 U EPA 506 05/15/96 1 84269 2039 DI(2-ETHYLHEXYL)PHTHALATE (6) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2040 PICLORAM (500) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2041 DINOSEB (7
2032 DIQUAT (20) 09180-01 8 K ¹ EPA 549.1 05/15/96 4 84269 2033 ENDOTHALL (100) 09180-01 10 U EPA 548 05/14/96 10 84269 2034 GLYPHOSATE (700) 09180-01 10 U EPA 547 05/23/96 10 84269 2035 DI(2-ETHYLHEXYL)ADIPATE (400) 09180-01 1 U EPA 506 05/15/96 1 84269 2036 OXAMYL (VYDATE) (200) 09180-01 0.5 U EPA 531.1 05/15/96 0.5 84269 2037 SIMAZINE (4) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2039 DI(2-ETHYLHEXYL)PHTHALATE (6) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2040 PICLORAM (500) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2041 DINOSEB (7) 09180-01 0.2 U EPA 505 05/20/96 0.1 84269 2042 HEXACHLOROCYCLOPENTA
2034 GLYPHOSATE (700) 09180-01 10 U EPA 547 05/23/96 10 84269 2035 DI(2-ETHYLHEXYL)ADIPATE (400) 09180-01 1 U EPA 506 05/15/96 1 84269 2036 OXAMYL (VYDATE) (200) 09180-01 0.5 U EPA 531.1 05/15/96 0.5 84269 2037 SIMAZINE (4) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2039 DI(2-ETHYLHEXYL)PHTHALATE (6) 09180-01 0.1 U EPA 506 05/15/96 1 84269 2040 PICLORAM (500) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2041 DINOSEB (7) 09180-01 0.2 U EPA 505 05/20/96 0.1 84269 2042 HEXACHLOROCYCLOPENTADIENE (50) 09180-01 0.1 U EPA 505 05/20/96 0.1 84269 2046 CARBOFURAN (40) 09180-01 0.5 U EPA 507 05/15/96 0.5 84269 2050 ATRAZINE
2035 DI(2-ETHYLHEXYL)ADIPATE (400) 09180-01 1 U EPA 506 05/15/96 1 84269 2036 OXAMYL (VYDATE) (200) 09180-01 0.5 U EPA 531.1 05/15/96 0.5 84269 2037 SIMAZINE (4) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2039 DI(2-ETHYLHEXYL)PHTHALATE (6) 09180-01 1 U EPA 506 05/15/96 1 84269 2040 PICLORAM (500) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2041 DINOSEB (7) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2042 HEXACHLOROCYCLOPENTADIENE (50) 09180-01 0.1 U EPA 505 05/20/96 0.1 84269 2046 CARBOFURAN (40) 09180-01 0.5 U EPA 507 05/15/96 0.5 84269 2050 ATRAZINE (3) 09180-01 0.1 U EPA 507
2036 OXAMYL (VYDATE) (200) 09180-01 0.5 U EPA 531.1 05/15/96 0.5 84269 2037 SIMAZINE (4) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2039 DI(2-ETHYLHEXYL)PHTHALATE (6) 09180-01 1 U EPA 506 05/15/96 1 84269 2040 PICLORAM (500) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2041 DINOSEB (7) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2042 HEXACHLOROCYCLOPENTADIENE (50) 09180-01 0.1 U EPA 505 05/20/96 0.1 84269 2046 CARBOFURAN (40) 09180-01 0.5 U EPA 531.1 05/15/96 0.5 84269 2050 ATRAZINE (3) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2051 ALACHLOR (2) 09180-01 0.3 U EPA 507 05/15/96 0.3 84269 2063 2,3,7,8-TCDD (DioXIN)
2037 SIMAZINE (4) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2039 DI(2-ETHYLHEXYL)PHTHALATE (6) 09180-01 1 U EPA 506 05/15/96 1 84269 2040 PICLORAM (500) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2041 DINOSEB (7) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2042 HEXACHLOROCYCLOPENTADIENE (50) 09180-01 0.1 U EPA 505 05/20/96 0.1 84269 2046 CARBOFURAN (40) 09180-01 0.1 U EPA 531.1 05/15/96 0.5 84269 2050 ATRAZINE (3) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2051 ALACHLOR (2) 09180-01 0.3 U EPA 507 05/15/96 0.3 84269 2063 2,3,7,8-TCDD (Dioxin) (.00003) 09180-01 EPA 84269
2039 Di(2-ETHYLHEXYL)PHTHALATE (6) 09180-01 1 U EPA 506 05/15/96 1 84269 2040 PICLORAM (500) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2041 DINOSEB (7) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2042 HEXACHLOROCYCLOPENTADIENE (50) 09180-01 0.1 U EPA 505 05/20/96 0.1 84269 2046 CARBOFURAN (40) 09180-01 0.5 U EPA 531.1 05/15/96 0.5 84269 2050 ATRAZINE (3) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2051 ALACHLOR (2) 09180-01 0.3 U EPA 507 05/15/96 0.3 84269 2063 2,3,7,8-TCDD (Dioxin) (.00003) 09180-01 EPA 84269
2040 PICLORAM (500) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2041 DINOSEB (7) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2042 HEXACHLOROCYCLOPENTADIENE (50) 09180-01 0.1 U EPA 505 05/20/96 0.1 84269 2046 CARBOFURAN (40) 09180-01 0.5 U EPA 531.1 05/15/96 0.5 84269 2050 ATRAZINE (3) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2051 ALACHLOR (2) 09180-01 0.3 U EPA 507 05/15/96 0.3 84269 2063 2,3,7,8-TCDD (Dioxin) (.00003) 09180-01 EPA 84269
2041 DINOSEB (7) 09180-01 0.2 U EPA 515.1 05/21/96 0.2 84269 2042 HEXACHLOROCYCLOPENTADIENE (50) 09180-01 0.1 U EPA 505 05/20/96 0.1 84269 2046 CARBOFURAN (40) 09180-01 0.5 U EPA 531.1 05/15/96 0.5 84269 2050 ATRAZINE (3) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2051 ALACHLOR (2) 09180-01 0.3 U EPA 507 05/15/96 0.3 84269 2063 2,3,7,8-TCDD (Dioxin) (.00003) 09180-01 EPA 84269
2042 HEXACHLOROCYCLOPENTADIENE (50) 09180-01 0.1 U EPA 505 05/20/96 0.1 84269 2046 CARBOFURAN (40) 09180-01 0.5 U EPA 531.1 05/15/96 0.5 84269 2050 ATRAZINE (3) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2051 ALACHLOR (2) 09180-01 0.3 U EPA 507 05/15/96 0.3 84269 2063 2,3,7,8-TCDD (Dioxin) (.00003) 09180-01 EPA 84269
2046 CARBOFURAN (40) 09180-01 0.5 U EPA 531.1 05/15/96 0.5 84269 2050 ATRAZINE (3) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2051 ALACHLOR (2) 09180-01 0.3 U EPA 507 05/15/96 0.3 84269 2063 2,3,7,8-TCDD (Dioxin) (.00003) 09180-01 EPA 84269
2050 ATRAZINE (3) 09180-01 0.1 U EPA 507 05/15/96 0.1 84269 2051 ALACHLOR (2) 09180-01 0.3 U EPA 507 05/15/96 0.3 84269 2063 2,3,7,8-TCDD (Dioxin) (.00003) 09180-01 EPA 84269
2051 ALACHLOR (2) 09180-01 0.3 U EPA 507 05/15/96 0.3 84269 2063 2,3,7,8-TCDD (Dioxin) (.00003) 09180-01 EPA 84269
2063 2,3,7,8-TCDD (DIOXIN) (.00003) 09180-01 EPA 84269
2065 HEPTACHLOR (.4) 09180-01 0.01 U EPA 508 05/15/96 0.01 84269
2067 HEPTACHLOR EPOXIDE (.2) 09180-01 0.01 U EPA 508 05/15/96 0.01 84269
2105 2,4-D (70) 09180-01 0.5 U EPA 515.1 05/21/96 0.5 84269
2110 2,4,5-TP (SILVEX) (50) 09180-01 0.05 U EPA 515.1 05/21/96 0.05 84269
2274 HEXACHLOROBENZENE (1) 09180-01 0.01 U EPA 508 05/15/96 0.01 84269
2306 BENZO(A)PYRENE (.2) 09180-01 0.01 U EPA 550 05/15/96 0.01 84269
2326 PENTACHLOROPHENOL (1) 09180-01 0.05 U EPA 515.1 05/21/96 0.05 84269
2383 PCB (.5) 09180-01 0.05 U EPA 508 05/15/96 0.05 84269
2931 DIBROMOCHLOROPROPANE (.2) 09180-01 0.005 U EPA 504 05/16/96 0.005 84269
2946 ETHYLENE DIBROMIDE (.02) 09180-01 0.005 U EPA 504 05/16/96 0.005 84269
2959 CHLORDANE (2) 09180-01 0.05 U EPA 508 05/15/96 0.05 84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Parameter			Sample	Analysis	Analysis	Analysis		Lab
<u>1D</u>	<u>Name</u>	(MCL µg/I)	Number	Result (µg/I)	<u>Method</u>	Date	MDL	<u>ID</u>
2021	CARBARYL		09180-01	0.5 U	EPA 531.1	05/15/96	0.5	84269
2022	METHOMYL		09180-01	0.5 U	EPA 531.1	05/15/96	0.5	84269
2043	ALDICARB SULFOXIDE		09180-01	0.5 U	EPA 531.1	05/15/96	0.5	84269
2044	ALDICARB SULFONE		09180-01	0.5 U	EPA 531.1	05/15/96	0.5	84269
2045	METOLACHLOR		09180-01	0.3 U	EPA 507	05/15/96	0.3	84269
2047	ALDICARB		09180-01	0.5 U	EPA 531.1	05/15/96	0.5	84269
2066	3-HYDROXYCARBOFURAN		09180-01	0.5 U	EPA 531.1	05/15/96	0.5	84269
2077	PROPACHLOR		09180-01	0.05 U	EPA 508	05/15/96	0.05	84269
2356	ALORIN		09180-01	0.01 U	EPA 508	05/15/96	0.01	84269
2364	DIELDRIN		09180-01	0.01 U	EPA 508	05/15/96	0.01	84269
2440	DICAMBA		09180-01	0.05 U	EPA 515.1	05/21/96	0.05	84269
2595	METRIBUZIN		09180-01	0.2 U	EPA 507	05/15/96	0.2	84269

U - Analyte was not detected; indicated concentration is method detection limit.

K - Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor.

1 - Reduced sample volume used for analysis due to interference from sediment.

.

.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran		Sample	Analysis	Analysis	Analysis		Lab
<u>‡D</u>	<u>Name (MCL µg/l)</u>	<u>Number</u>	<u>Result (µg/l)</u>	Method	<u>Date</u>	<u>MDL</u>	<u>ID</u>
2210	CHLOROMETHANE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2212	DICHLORODIFLUOROMETHANE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2214	BROMOMETHANE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2216	CHLOROETHANE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2218	TRICHLOROFLUOROMETHANE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2408	DIBROMOMETHANE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2410	1,1-DICHLOROPROPYLENE	09180-01	0.3 U	EPA 502.2	05/19/96	0.3	84269
2412	1,3-DICHLOROPROPANE	09180-01	0.3 U	EPA 502.2	05/19/96	0.3	84269
2413	1,3-DICHLOROPROPENE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	09180-01	0.3 U	EPA 502.2	05/19/96	0.3	84269
2416	2,2-DICHLOROPROPANE	09180-01	0.3 U	EPA 502.2	05/19/96	0.3	84269
2941	CHLOROFORM	09180-01	19	EPA 502.2	05/19/96	0.2	84269
2942	BROMOFORM	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2943	BROMODICHLOROMETHANE	09180-01	1.7	EPA 502.2	05/19/96	0.3	84269
2944	DIBROMOCHLOROMETHANE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2965	O-CHLOROTOLUENE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2966	P-CHLOROTOLUENE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2967	M-DICHLOROBENZENE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269
2978	1,1-DICHLOROETHANE	09180-01	0.3 U	EPA 502.2	05/19/96	0.3	84269
2986	1,1,1,2-TETRACHLOROETHANE	09180-01	0.3 U	EPA 502.2	05/19/96	0.3	84269
2988	1,1,2,2-TETRACHLOROETHANE	09180-01	0.3 U	EPA 502.2	05/19/96	0.3	84269
2993	BROMOBENZENE	09180-01	0.5 U	EPA 502.2	05/19/96	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param <u>ID</u>	eter <u>Name (MCL μg/l)</u>	Sample <u>Number</u>	Analysis <u>Result (µg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	<u>MDL</u>	Lab <u>ID</u>
2262 2270	ISOPHORONE 2,4-DINITROTOLUENE	09180-01 09180-01	1 U	EPA 609	05/15/96	1	84269
2282	DIMETHYLPHTHALATE	09180-01	1 U 1 U	EPA 609 EPA 506	05/15/96 05/15/96	1	84269 84269
2284 2290	DIETHYLPHTHALATE DI-N-BUTYLPHTHALATE	09180-01 09180-01	1 U 1 U	EPA 506 EPA 506	05/15/96 05/15/96	1 1	84269 84269
2294 9089	BUTYL BENZYL PHTHALATE	09180-01 09180-01	1 U 1 U	EPA 506 EPA 506	05/15/96	1	84269 84269
9108*	2-CHLOROPHENOL	09180-01	5 U	EPA 604	05/16/96	5	84269
9112* 9115*	2-METHYL-4,6-DINITROPHENOL PHENOL	09180-01 09180-01	20 U 5 U	EPA 604 EPA 604	05/16/96 05/16/96	20 5	84269 84269
9116*	2,4,6-TRICHLOROPHENOL	09180-01	10 U	EPA 604	05/16/96	10	84269

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

COLIFORM ANALYSIS

Parai <u>ID</u>	meter <u>Name</u>	(MCL µg/I)	Sample <u>Number</u>	Analysis <u>Result (µg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL	Lab <u>ID</u>
		Coliforms Coliforms		1 U 1 U			1 1	82135 82135

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

COLIFORM ANALYSIS

Parai	meter	Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name (MCL µg/</u>	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	<u>Date</u>		<u>ID</u>
	TOTAL COLIFORMS (FECAL COLIFORMS (140 7		5/3/96 5/3/96	1 1	82135 82135

TRIHALOMETHANE ANALYSIS 62-550.310(2)(a)

(PWS027)

Param <u>ID</u>	eter <u>NAME (MCL ug/l)</u>	•	Analysis Result(ug/l)	Analyt. Method	Analysis <u>Date</u>	MDL	Lab ID
2950	Total THMs (0.10)	09180-01	0.021	EPA 502.2	5/19/96	0.0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b) (PWS028)

Param <u>ID</u>	eter NAME (MCL ug/1)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis <u>Date</u>	MDL	Lab ID
2378	1,2,4-Trichlorobenzene (70)	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2380	cis-1,2-Dichloroethene (70)	09180-01	0.2 U	EPA 502.2	5/19/96	0.2	84269
5	Xylenes (Total) (10,000)	09180-01	14	EPA 502.2	5/19/96	0.5	84269
2264	Dichloromethane (5)	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2968	o-Dichlorobenzene (600)	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2969	p-Dichlorobenzene (75)	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2976	Vinyl chloride (1)	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2977	1,1-Dichloroethene (7)	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2979	trans-1,2-Dichloroethene (100)	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2980	1,2-Dichloroethane (3)	09180-01	0.2 U	EPA 502.2	5/19/96	0.2	84269
2981	1,1,1-Trichloroethane (200)	09180-01	0.3 U	EPA 502.2	5/19/96	0.3	84269
2982	Carbon tetrachloride (3)	09180-01	0.3 U	EPA 502.2	5/19/96	0.3	84269
2983	1,2-Dichloropropane (5)	09180-01	0.3 U	EPA 502.2	5/19/96	0.3	84269
2984	Trichloroethene (3)	09180-01	0.2 U	EPA 502.2	5/19/96	0.2	84269
2985	1,1,2-Trichloroethane (5)	09180-01	0.3 U	EPA 502.2	5/19/96	0.3	84269
2987	Tetrachloroethene (3)	09180-01	0.2 U	EPA 502.2	5/19/96	0.2	84269
2989	Monochlorobenzene (100)	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2990	Benzene (1)	09180-01	0.94	EPA 502.2	5/19/96	0.5	84269
2991	Toluene (1,000)	09180-01	14	EPA 502.2	5/19/96	0.5	84269
2	Ethylbenzene (700)	09180-01	2.6	EPA 502.2	5/19/96	0.5	84269
2006	Styrene (100)	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269

U - Analyte was not detected; indicated concentration is method detection limit.

SOWRF 17

.

· .

.

.

•

SrtWRF 17

.

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

Param <u>ID</u>	eter <u>NAME (MCL ug/l)</u>	Sample Number	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab <u>ID</u>
2005	Endrin (2)	09180-01	0.01 U	EPA 508	5/15/96	0.01	84269
2010	Lindane (.2)	09180-01	0.01 U	EPA 508	5/15/96	0.01	84269
2015	Methoxychlor (40)	09180-01	0.02 U	EPA 508	5/15/96	0.02	84269
2020	Toxaphene (3)	09180-01	0.2 U	EPA 508	5/15/96	0.2	84269
2031	Dalapon (200)	09180-01	1 U [`]	EPA 515.1	5/21/96	1	84269
2032	Diquat (20)	09180-01	8 K1	EPA 549.1	5/15/96	4	84269
2033	Endothall (100)	09180-01	10 U	EPA 548	5/14/96	10	84269
2034	Glyphosate (700)	09180-01	10 U	EPA 547	5/23/96	10	84269
2035	Di(2-ethylhexyl)adipate (400)	09180-01	1 U	EPA 506	5/15/96	1	84269
2036	Oxamyl (Vydate) (200)	09180-01	0.5 U	EPA 531.1	5/15/96	0.5	84269
2037	Simazine (4)	09180-01	0.1 U	EPA 507	5/15/96	0.1	84269
9	Di(2-ethylhexyl)phthalate (6)	09180-01	1 U	EPA 506	5/15/96	1	84269
<u>1</u> 40	Picloram (500)	09180-01	0.2 U	EPA 515.1	5/21/96	0.2	84269
2041	Dinoseb (7)	09180-01	0.2 U	EPA 515.1	5/21/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	09180-01	0.1-U	EPA 505	5/20/96	0.1	84269
2046	Carbofuran (40)	09180-01	0.5 U	EPA 531.1	5/15/96	0.5	84269
2050	Atrazine (3)	09180-01	0.1 U	EPA 507	5/15/96	0.1	84269
2051	Alachlor (2)	09180-01	0.3 U	EPA 507	5/15/96	0.3	84269
2065	Heptachlor (.4)	09180-01	0.01 U	EPA 508	5/15/96	0.01	84269
2067	Heptachlor epoxide (.2)	09180-01	0.01 U	EPA 508	5/15/96	0.01	84269
2105	2,4-D (70)	09180-01	0.5 U	EPA 515.1	5/21/96	0.5	84269
2110	2,4,5-TP (Silvex) (50)	09180-01	0.05 U	EPA 515.1	5/21/96	0.05	84269
2274	Hexachlorobenzene (1)	09180-01	0.01 U	EPA 508	5/15/96	0.01	84269
2306	8enzo(a)pyrene (.2)	09180-01	0.01 U	EPA 550	5/15/96	0.01	84269
2326	Pentachlorophenol (1)	09180-01	0.05 U	EPA 515.1	5/21/96	0.05	84269
2383	PCBs (.5)	09180-01	0.05 U	EPA 508	5/15/96	0.05	84269
2931	Dibromochloropropane (.2)	091 80- 01	0.005 U	EPA 504	5/16/96	0.005	84269
2946	Ethylene dibromide (.02)	09180-01	0.005 U	EPA 504	5/16/96	0.005	84269
,9	Chlordane (2)	09180-01	0.05 U	EPA 508	5/15/96	0.05	84269
2931 2946 ,9	Dibromochloropropane (.2) Ethylene dibromide (.02)	09180-01 09180-01 09180-01	0.005 U 0.005 U 0.05 U	EPA 504 EPA 504 EPA 508	5/16/96 5/16/96 5/15/96	0.005 0.005	84269 84269

C > Analyte was not detected; indicated concentration is method detection limit.

 K - Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor.
 1 Reduced sample volume used for analysis due to interference from sediment.

•

SRWRF 17

.

.....

•

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param ID	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result (ug/l)</u>	Analyt. Method	Analysis <u>Date</u>	MDL	Lab ID
2021	Carbaryl	09180-01	0.5 U	EPA 531.1	5/15/96	0.5	84269
2022	Methomy]	09180-01	0.5 U	EPA 531.1	5/15/96	0.5	84269
2043	Aldicarb sulfoxide	09180-01	0.5 U	EPA 531.1	5/15/96	0.5	84269
2044	Aldicarb sulfone	09180-01	0.5 U	EPA 531.1	5/15/96	0.5	84269
2045	Metolachlor	09180-01	0.3 U	EPA 507	5/15/96	0.3	84269
2047	Aldicarb	09180-01	0.5 U	EPA 531.1	5/15/96	0.5	84269
2065	3-Hydroxycarbofuran	09180-01	0.5 U	EPA 531.1	5/15/96	0.5	84269
2077	Propachlor	09180-01	0.05 U	EPA 508	5/15/96	0.05	84269
2256	Aldrin	09180-01	0.01 U	EPA 508	5/15/96	0.01	84269
. 4	Dieldrin	09180-01	0.01 U	EPA 508	5/15/96	0.01	84269
^ 10	Dicamba	09180-01	0.05 U	EPA 515.1	5/21/96	0.05	84269
2595	Metribuzin	09180-01	0.2 U	EPA 507	5/15/96	0.2	84269

SnWRF 17

.

· · · · ·

. . .

.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWSO34)

Paran <u>ID</u>	Parameter ID NAME (MCL ug/1)		Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis Date	MDL	Lab ID
2210	Chloromethane	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2212	Dichlorodifluoromethane	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2214	Bromomethane	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2216	Chloroethane	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2218	Trichlorofluoromethane	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2251	Methyl-tert-butyl-ether	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2408	Dibromomethane	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2410	1,1-Dichloropropene	09180-01	0.3 U	EPA 502.2	5/19/96	0.3	84269
2412	1,3-Dichloropropane	09180-01	0.3 U	EPA 502.2	5/19/96	0.3	84269
3	1,3-Dichloropropene	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
- 14	1,2,3-Trichloropropane	09180-01	0.3 U	EPA 502.2	5/19/96	0.3	84269
2416	2,2-Dichloropropane	09180-01	0.3 U	EPA 502.2	5/19/96	0.3	84269
2941	Chloroform	09180-01	19	EPA 502.2	5/19/96	0.2	84269
2942	Bromoform	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2943	Bromodichloromethane	09180-01	1.7	EPA 502.2	5/19/96	0.3	84269
2944	Dibromochloromethane	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2965	o-Chlorotoluene	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2966	p-Chlorotoluene	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2967	m-Dichlorobenzene	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269
2978	1,1-Dichloroethane	09180-01	0.3 U	EPA 502.2	5/19/96	0.3	84269
2986	1,1,1,2-Tetrachloroethane	09180-01	0.3 U	EPA 502.2	5/19/96	0.3	84269
2988	1,1,2,2-Tetrachloroethane	09180-01	0.3 U	EPA 502.2	5/19/96	0.3	84269
2993	Bromobenzene	09180-01	0.5 U	EPA 502.2	5/19/96	0.5	84269

SAWRE 17

ŕ

-> - ». -•

.

.

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Parameter <u>ID NAME (MCL ug/l)</u>	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2262 Isophorone	09180-01	1 U	EPA 609	5/15/96	1	84269
2270 2,4-Dinitrotoluene	09180-01	1 U	EPA 609	5/15/96	1	84269
2282 Dimethylphthalate	09180-01	1 U	EPA 506	5/15/96	1	84269
2284 Diethylphthalate	09180-01	1 U	EPA SO6	5/15/96	1	84269
2290 Di-n-butylphthalate	09180-01	1 U	EPA 506	5/15/96	1	84269
2294 Butyl benzyl phthalate	09180-01	1 U	EPA 506	5/15/96	1	84269
9089 Di-n-octylphthalate	09180-01	1 U	EPA 506	5/15/96	1	84269
9108* 2-Chlorophenol	09180-01	5 U	EPA 604	5/16/96	5	84269
9112* 2-Methyl-4,6-dinitrophenol	09180-01	20 U	EPA 604	5/16/96	20	84269
3* Phenol	09180-01	5 U	EPA 604	5/16/96	5	84269
9°16* 2,4,6-Trichlorophenol	09180-01	10 U	EPA 604	5/16/96	10	84269



904-372-0436 • fax 904-378-6483

Report No. 77996 Subject: WATER REC'D 02:35PM BY C. TIEDEMANN ANALYSIS BEGUN 02:40PM Received: MAY 10 1996

PAUL BERMAN PPB ENVIRONMENTAL LAB 6821 SW ARCHER ROAD GAINESVILLE, FL 32608 Client # 2643 Phone: (352) 377-2349 Fax: (352) 395-6639

RESULTS OF ANALYSIS

Sample 1 #SRWRF 17 5/9/96 1700 GW

TOTAL COLIFORMS (MPN)140 / 100MLFECAL COLIFORMS (MFN)7 / 100ML

Additional Notes & Comments for Sample Report 77996

. ROJECT NAME- SOUTHEAST DRILLING

abmitted for C Research Respectfu] Catherine Ar Knγ Ical Midrobiology Manager of Analyt,

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT PPB ENVIRONMENTAL TO: LABORATORIES, INC. 6821 SW ARCHER ROAD GAINESVILLE, FL 32608

352/377-2349 FAX 395-6639

09:12

ANALYZED PBS&J Environmental Laboratories BY: 6635 East Colonial Drive Orlando, FL 32807

> Phone: (407) 277-4443 Fax: (407) 382-8794

This is to certify that the following samples were analyzed using good laboratory practices to show the following results.

Sample ID: SRWRF 17 / 131322

Lab ID: 9605201-01 Collected: 05/09/96 17:00:00

TEST	RESULT	UNITS	METHOD	EXTRACTED	ANALYZED	BY
RADIUM 228 IN WATER	0.3	pCi/l	BROOKS/BLAN	IC	05/30/96	cd
RADIUM 228-counting error	0.4	pCi/l	BROOKS/BLAN		05/30/96	cd
ALPHA, TOTAL	32.7	pCi/t	EPA 900.0		05/16/96	cđ
ALPHA-counting error	5.8	pCi/l	EPA 900.0		05/16/96	cd
RADIUM 226 IN WATER	3.5	pCi/l	EPA 903.1		05/23/96	cd
RADIUM 226-counting error	0.2	pCi/l	EPA 903.1		05/23/96	cd

Page 1

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFO	RMATION (to be completed	by system or lab)	
System Name:			
Address:		Phone #: (<u>)</u>
Address: Type (check one): () Communit	y () Nontransient Noncon	nmunity () Noncommunity	
SAMPLE INFORMATION (to be	completed by sampler)		
Sample Date (MMDDYY): /	/ Sample Time:		
Sample Location (be specific):			
Sampler Name and Phone:		()
Sampler's Signature:			Title:
Check Type(s): () Distribution () Clearance () Distrib ent	() Thm Max R	MCL () Resample es Time () Plant Tap () Composite of Multiple Si	e of Lab Invalidated Sample tes-Attach a format for each site
LABORATORY CERTIFICATION	INFORMATION (to be comp	leted by Iab) – ATTACH HRS ANA	LYTE SHEET*
Lab Name:PPB_Environmental	Laboratories, Inc.	HRS #: <u>82282</u> Ex	piration Date:
Address: 6821 SW Archer Ro	ad, Gainesville, FL 32608	Ph	one #: <u>(352) 377-2349</u>
Subcontracted Lab HRS #: _83170	0 <u>, 82135, 84269</u> – ATT	ACH HRS ANALYTE SHEET FOR	SUBCONTRACTED LAB, TOO*
ANALYSIS INFORMATION (to be	o completed by lab) – SAMP	LE NUMBER: 131416	WRF # 18
Date Sample(s) Received: _ 5/15/	96 Group(s) Ana	lyzed & Results attached for compli-	ance with 62-550, F.A.C.:
() Nîtrate Only	() Nitrite Only	() Asbestos Only	(x) Trihalomethanes
Inorganics– ()All 17 (x)Partial	Volatile Organics– (x) All 21 ()Partial		Pesticide/PCBs– () All 30 (x) Partial
	Group II Unregulateds– (x) All 23 ()Partial		(x) Single Sample () Qtrly Composite**
I, Paul Bermar	٦ . د	to HEREBY CERTIFY that all attach	
Signature Paul	e Bern		
Title <u>QA Officer</u>	Testa -		Date <u>6/11/96</u>
COMPLIANCE INFORMATION (to	be completed by State)		
Sample Collection Satisfactory:	Sa	mple Analysis Satisfactory:	
Resample Requested for:			
Person notified to resample:			
DEP/HRS Reviewing Official:			
	<u> </u>		

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample. Effective January 1995

·.

•

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>1D</u>	<u>Name</u>	<u>(MCL mg/l)</u>	Number	Result (mg/l)	Method	Date	<u>(mg/l)</u>	<u>1D</u>
1005	ARSENIC	(.05)	131416	0.005	SM 3113B	06/08/96	0.001	82282
1010	BARIUM	(2)	131416	0.045	EPA 200.7	05/30/96	0.001	82282
1015	CADMIUM	(.005)	131416	0.0001 U	SM 3113B	06/01/96	0.0001	82282
1020	CHROMIUM	(0.1)	131416	0.009	EPA 200.7	05/30/96	0.005	82282
1024	CYANIDE	(0.2)	131416	0.004 U	SM 4500CNE	05/20/96	0.004	82282
1025	FLUORIDE	(4)	131416	0.39	SM 4500FC	05/28/96	0.02	82282
1030	LEAD	(0.015)	131416	0.001 U	SM 3113B	05/29/96	0.001	82282
1035	MERCURY	(0.002)	131416	0.00005 U	EPA 245.1	05/21/96	0.00005	82282
1036	NICKEL	(0.1)	131416	0.030 U	EPA 200.7	05/30/96	0.030	82282
1040	NITRATE	(10)	131416	0.01 K	EPA 353.2	05/16/96	0.004	82282
1041	NITRITE	(1)	131416	0.01 K	EPA 353.2	05/15/96	0.003	82282
1045	SELENIUM	(0.05)	131416	0.005 K	SM 3113B	06/08/96	0.001	82282
1052	SODIUM	(160)	131416	64.4	EPA 200.7	05/30/96	0.05	82282
1074	ANTIMONY	(0.006)	131416	0.003 U	SM 3113B	06/12/96	0.003	82282
1075	BERYLLIUM	(0.004)	131416	0.004 K	EPA 200.7	05/30/96	0.003	82282
1085	THALLIUM	(0.002)	131416	0.002 U	EPA 200.9	05/30/96	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	eter		Sample	Analysis*	Analysis	Analysis	MDL	Lab
<u>1D</u>	<u>Name</u>	(MCL mg/l)	<u>Number</u>	<u>Result (mg/l)</u>	<u>Method</u>	Date	<u>(mg/l)</u>	<u>1D</u>
1002	ALUMINUM	(0.2)	131416	0.690	EPA 200.7	05/30/96	0.01	82282
1017	CHLORIDE	(250)	131416	44.8	EPA 325.2	05/30/96	0.3	82282
1022	COPPER	(1)	131416	0.01 U	EPA 200.7	05/30/96	0.01	82282
1020	FLUORIDE	(2.0)	131416	0.39	SM 4500FC	05/28/96	0.02	82282
,1028		(0.3)	131416	1.82	EPA 200.7	05/30/96	0.005	82282
1032	MANGANESE	(0.05)	131416	0.055	EPA 200.7	05/30/96	0.005	82282
1050	SILVER	(0.1)	131416	0.0001 U	SM 3113B	06/04/96	0.0001	82282
1055	SULFATE	(250)	131416	19.8	EPA 375.4	05/20/96	1	82282
1095	ZINC	(5)	131416	0.011	EPA 200.7	05/30/96	0.004	82282
1905	COLOR	(15 color units)	131416	180	SM 2120B	05/15/96	5	82282
1920	ODOR (3 thr	eshold odor number)	131416	2.8	SM 2150B	05/15/96	1	82282
1925	ΡН	(6.5-8.5)	131416	7.4	EPA 150.1	05/15/96		82282
1930	TOTAL DISSOL	VED SOLIDS (500)	131416	410	SM 2540C	05/20/96	3	82282
2905	FOAMING AGE	NTS (0.5)	131416	0.025 U	SM 5540C	05/16/96	0.025	82135

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

U - Analyte was not detected; indicated concentration is method detection limit.

۰.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Parar <u>ID</u>	neter <u>Name</u>	(MCL mg/l)	Sample <u>Number</u>	Analysis <u>Resuit (mg/i)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2950	TOTAL THMS	(0.10)	09180-01	0.0053	EPA 502.2	05/23/96		

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Paran ID	neter <u>Name</u>	(MCL pCi/l)	Sample <u>Number</u>	Analysis <u>Result (pCi/l)</u>	Analysis Method	Analysis Date <u>Error</u>	Lab iD
4000 4012	GROSS ALPHA PHOTON EMITT	ERS	131 4 16 NA	13.8 ± 3.2	EPA 900.0	05/22/96 1	83170
4020 4030 4101	Radium-226 Radium-228 Man-made bet/	Ą	131416 131416 NA	0.4 ± 0.1	EPA 903.1 BROOKS/BLANC	05/29/96 1	83170 83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(8) (PWS028)

			,	,			
Parar <u>ID</u>	neter <u>Name</u>	(MCL µg/l)	Sample <u>Number</u>	Analysis <u>Result (µq/i)</u>	Analysis <u>Method</u>	Analysis Date <u>MDL</u>	Lab <u>ID</u>
2378 2380 2955 2964 2969 2976 2977 2979 2980 2981 2983 2984 2985 2984 2985 2987 2989 2990 2991 2992	1,2,4-TRICHLOROBENZENI CIS-1,2-DICHLOROBENZENI XYLENES (TOTAL) DICHLOROMETHANE O-DICHLOROBENZENE PARA-DICHLOROBENZENE VINYL CHLORIDE 1,1-DICHLOROETHYLENE TRANS-1,2-DICHLOROETHYLENE 1,2-DICHLOROETHANE 1,1,1-TRICHLOROETHANE 1,2-DICHLOROPROPANE TRICHLOROETHYLENE 1,1,2-TRICHLOROETHYLENE 1,1,2-TRICHLOROETHYLENE 1,1,2-TRICHLOROETHYLENE MONOCHLOROBENZENE BENZENE TOLUENE ETHYLBENZENE	NE (70) (10,000) (5) (600) (75) (1) (7)	09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01 09209-01	0.5 U 0.2 U 6.1 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.2 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.2 U 0.3 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.3 U 0.5 U 0.3 U 0.5 U 0.5 U 0.3 U 0.5 U 0.5 U 0.5 U 0.3 U 0.5 U 0.5 U 0.5 U 0.3 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U	EPA 502.2 EPA 502.2	05/23/96 0.5 05/23/96 0.2 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.2 05/23/96 0.3 05/23/96 0.2 05/23/96 0.2 05/23/96 0.2 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5 05/23/96 0.5	84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269

PAGE 9

MAY-29-197 THU 08:17 ID:PBCUUD - ENGINEERING TEL NO:407 641-3447

.

4

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT

SRWWTP VOLATILE ORGANIC ANALYSIS

62-551.310(2) (b)

(FWS028)

SRWRF Well +18 Re-sample.

#925 -02

Parameter ID NAME	Sample Number ABO	Location Code	Analysis Resull(ug/L)	Analytical Method	Detection Limit (ugA.)	Analysis Date
2378 1,2,4-trichlorobenzene	5477	Well #18	< 0.5	502.2	<u>0.5</u>	05/24/97
2380 Cis-1,2-dichloroethylene	5477	Well #18	<0.5	502.2	0.5	05/24/97
2955 Xylenes (total)	5477	Well #13	<u> < 0.5</u>	502.2	0.5	05/24/97
2964 Dichloremethane	5477	Well \$18	< 0.5	502.2	0.5	05/24/97
2968 O-dichlorobenzene	5477	Well #18	< 0.5.	502.2	0.5	05/24/97
2969 Para-dichiorebenzene	5477	- VVe!! #18	< 0.5	502.2	0,5	05/24/97
2978 Vinyt chlorida	5477	Weit #18	< 0.5	502.2	0.5	05/24/97
2977 1,1-dichioroethylens	5477	We# #18	< 0.5	502.2	0.5	05/24/97
2979 Trans-1,2-dichioroalhane		Well #18	< 0.5	502.2	0.5	05/24/97
2980 1,2-dichlorcethane	5477	Well #18_	< 0.5	502.2	0.5	05/24/97
2981 1.1.1-bichloroethane	5477	Well #18	< 0.5	502.2	0.5	05/24/97
2982 Carbon tetrachloride	5477	Well #18	< 0.5	502.2	0.5	05/24/97
2983 1,2-dichloroproparia	5477	Well #18	< 0.5	502.2	0.5	05/24/97
2984 Trichloroethylane	5477	Well #18	<0.5	502.2	0.5	05/24/97
2985 1,1,2-trichlomethane	5477	Well #13	< 0.5	502.2	0.5	05/24/97
	5477	We3#18	< 0.5	£02.2	0_5	05/24/97
2987 Tetrachioroathylene	5477	Well #18	< 0.5	502.2	0.5	05/24/97
2989 Monochlorobenzene	5477	Well #18	< 0.5	502.2	0.5	05/24/97
2990 Benzene		Well #18	< 0.5	502.2	0.5	05/24/97
2991 Yoluene		Weil #18	< 0.5	502.2	0.5	05/24/97
2992 Ethylbenzene			< 0.5	502.2	0.5	05/24/97
2998 Styrene	5477	Well #18				

COMMENTS:

Page 2 of 2

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

			(=	/				
Param	eter		Sample	Analysis	Analysis	Analysis		Lab
<u>1D</u>	<u>Name</u>	(MCL µg/l)	<u>Number</u>	Result (µg/l)	<u>Method</u>	Date	<u>MDL</u>	<u>1D</u>
2005	ENDRIN	(2)	09209-01	0.01 U	EPA 508	05/21/96	0.01	84269
2010	LINDANE	(.2)	09209-01	0.01 U	EPA 508	05/21/96	0.01	84269
2015	METHOXYCHLOR	(40)	09209-01	0.02 U	EPA 508	05/21/96	0.02	84269
2020	TOXAPHENE	(3)	09209-01	0.2 U	EPA 508	05/21/96	0.2	84269
2031	DALAPON	(200)	09209-01	1 U	EPA 515.1	05/22/96	1	84269
2032	DIQUAT	(20)	09209-01	4 U	EPA 549.1	05/21/96	4	84269
2033	ENDOTHALL	(100)	09209-01	10 U	EPA 548	05/21/96	10	84269
2034	GLYPHOSATE	(700)	09209-01	10 U	EPA 547	05/23/96	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	09209-01	1 U	EPA 506	05/21/96	1	84269
2036	OXAMYL (VYDATE)	(200)	09209-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2037	SIMAZINE	(4)	09209-01	0.1 U	EPA 507	05/21/96	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALAT		09209-01	1 U	EPA 506	05/21/96	1	84269
2040	PICLORAM	(500)	09209-01	0.2 U	EPA 515.1	05/22/96	0.2	84269
2041	DINOSEB	(7)	09209-01	0.2 U	EPA 515.1	05/22/96	0.2	84269
2042	HEXACHLOROCYCLOPENTADI	ene (50)	09209-01	0.1 U	EPA 505	05/20/96	0.1	84269
2046	CARBOFURAN	(40)	09209-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2050	ATRAZINE	(3)	09209-01	0.1 U	EPA 507	05/21/96	0.1	84269
2051	ALACHLOR	(2)	09209-01	0.3 U	EPA 507	05/21/96	0.3	84269
2063	2,3,7,8-TCDD (DIOXIN)	(.00003)	09209-01		EPA			84269
2065	HEPTACHLOR	(.4)	09209-01	0.01 U	EPA 508	05/21/96	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	09209-01	0.01 U	EPA 508	05/21/96	0.01	84269
2105	2,4-D	(70)	09209-01	0.5 U	EPA 515.1	05/22/96	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	09209-01	0.05 U	EPA 515.1	05/22/96	0.05	84269
2274	HEXACHLOROBENZENE	(1)	09209-01	0.01 U	EPA 508	05/21/96	0.01	84269
2306	Benzo(a)pyrene	(.2)	09209-01	0.01 U	EPA 550	05/21/96	0.01	84269
2326	PENTACHLOROPHENOL	(1)	09209-01	0.05 U	EPA 515.1	05/22/96	0.05	84269
2383	PCB	(.5)	09209-01	0.05 U	EPA 508	05/21/96	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	09209-01	0.005 U	EPA 504	05/22/96	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	09209-01	0.005 U	EPA 504	05/22/96	0.005	84269
2959	CHLORDANE	(2)	09209-01	0.05 U	EPA 508	05/21/96	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param	eter		Sampie	Analysis	Analysis	Analysis		Lab
IÐ	<u>Name</u>	<u>(MCL µg/l)</u>	<u>Number</u>	Result (µg/I)	<u>Method</u>	Date	<u>MDL</u>	<u>ID</u>
2021	CARBARYL		09209-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2022	METHOMYL		09209-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2043	ALDICARB SULFOXIDE		09209-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2044	ALDICARB SULFONE		09209-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2045	METOLACHLOR		09209-01	0.3 U	EPA 507	05/21/96	0.3	84269
2047	ALDICARB		09209-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2066	3-HYDROXYCARBOFURAN		09209-01	0.5 U	EPA 531,1	05/30/96	0.5	84269
2077	PROPACHLOR		09209-01	0.05 U	EPA 508	05/21/96	0.05	84269
2356	Aldrin		09209-01	0.01 U	EPA 508	05/21/96	0.01	84269
2364	DIELDRIN		09209-01	0.01 U	EPA 508	05/21/96	0.01	84269
2440	DICAMBA		09209-01	0.05 U	EPA 515.1	05/22/96	0.05	84269
2595	METRIBUZIN		09209-01	0.2 U	EPA 507	05/21/96	0.2	84269

U - Analyte was not detected; indicated concentration is method detection limit.

K - Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor.

¹ - Reduced sample volume used for analysis due to interference from sediment.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Рагап		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name (MCL µg/l)</u>	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	<u>Date</u>	<u>MDL</u>	<u>ID</u>
2210	CHLOROMETHANE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2212	DICHLORODIFLUOROMETHANE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2214	BROMOMETHANE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2216	CHLOROETHANE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2218	TRICHLOROFLUOROMETHANE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2408	DIBROMOMETHANE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2410	1,1-DICHLOROPROPYLENE	09209-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2412	1,3-DICHLOROPROPANE	09209-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2413	1,3-DICHLOROPROPENE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	09209-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2416	2,2-DICHLOROPROPANE	09209-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2941	CHLOROFORM	09209-01	5.3	EPA 502.2	05/23/96	0.2	84269
2942	BROMOFORM	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2943	BROMODICHLOROMETHANE	09209-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2944	DIBROMOCHLOROMETHANE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2965	O-CHLOROTOLUENE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2966	P-CHLOROTOLUENE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2967	M-DICHLOROBENZENE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269
2978	1,1-DICHLOROETHANE	09209-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2986	1,1,1,2-TETRACHLOROETHANE	09209-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2988	1,1,2,2-TETRACHLOROETHANE	09209-01	0.3 U	EPA 502.2	05/23/96	0.3	84269
2993	BROMOBENZENE	09209-01	0.5 U	EPA 502.2	05/23/96	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param <u>ID</u>	eter <u>Name (MCL µg/l)</u>	Sample <u>Number</u>	Analysis <u>Result (µg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	<u>MDL</u>	Lab <u>ID</u>
2262	ISOPHORONE	09209-01	1 U	EPA 609	05/21/96	1	84269
2270	2,4-DINITROTOLUENE	09209-01	1 Ų	EPA 609	05/21/96	1	84269
2282	DIMETHYLPHTHALATE	09209-01	10	EPA 506	05/16/96	1	84269
2284	DIETHYLPHTHALATE	09209-01	1 U	EPA 506	05/16/96	1	84269
2290	DI-N-BUTYLPHTHALATE	09209-01	1 U	EPA 506	05/16/96	1	84269
2294	BUTYL BENZYL PHTHALATE	09209-01	1 U	EPA 506	05/16/96	1	84269
9089	DIOCTYLPHTHALATE	09209-01	1 U	EPA 506	05/16/96	1	84269
9108*	2-CHLOROPHENOL	09209-01	5 U	EPA 604	05/16/96	5	84269
9112*	2-METHYL-4,6-DINITROPHENOL	09209-01	20 U	EPA 604	05/16/96	20	84269
9115*	Phenol	09209-01	5 U	EPA 604	05/16/96	5	84269
9116*	2,4,6-TRICHLOROPHENOL	09209-01	10 U	EPA 604	05/16/96	10	84269

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

COLIFORM ANALYSIS

Para	meter	Sample	Analysis	Analysis	Analysis		Lab
<u>1D</u>	<u>Name (MCL μg/l)</u>	Number	<u>Result (µg/l)</u>	Method	<u>Date</u>	<u>MDL</u>	<u>1D</u>
	TOTAL COLIFORMS (MPN)	131416	1,600		05/28/96	1	82135
	FECAL COLIFORMS (MPN)	131416	13		05/28/96	1	82135

U - Analyte was not detected; indicated concentration is method detection limit.

۰.

÷. .



3437 s.w. 24th avenue gainesville, florida 32607 / . 904-372-0436 fax 904-378-6483 Keport No. 78191 Dato MAY 20 1996 Subject: WATER REC D 12:05PM BY C. TIEDEMANN ANALYSIS BEGUN 12:50PM Received: MAY 15 1996 KELLY BERODOLL Client # 2663 PPB ENVIRONMENTAL LAB Phone: (352) 377-2349 6821 SM ARCHER ROAD Fax: (352) 395-8639 GAINESVILLE, FL. 32608 RESULTS OF ANALYSIS Sample 1 #1 ALACHUA FINAL 5/15/96 0850 131414 FECAL COLIFORMS (MPH) <2 / 100m Sample 2 #2 TURKEY OREEK FINAL 5/15/96 0850 131415 FECAL COLUFORMS (MF) <1 /100 ml Sample 3 M3 SRURF 5/14/96 1700 131416 TOTAL COLIFORMS (MPN) 1,600 / 16004. FECAL COLIFORMS (MPN) 13 / 190ml

and the second second second second second second second second second second second second second second second

Respectfully Submitted for ABC Research acN Catherine Arafay Manager of Analytycal Microbiology

SUWRF Pilot. #8175 Well #18

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

Param <u>ID</u>	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis Result(ug/l)	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2005	Endrin (2)	09209-01	0.01 U	EPA 508	5/21/96	0.01	84269
2010	Lindane (.2)	09209-01	0.01 U	EPA 508	5/21/96	0.01	84269
2015	Methoxychlor (40)	09209-01	0.02 U	EPA 508	5/21/96	0.02	84269
2020	Toxaphene (3)	09209-01	0.2 U	EPA 508	5/21/96	0.2	84269
2031	Dalapon (200)	09209-01	1 U	EPA 515.1	5/22/96	1	84269
2032	Diquat (20)	09209-01	4 U	EPA 549.1	5/21/96	4	84269
2033	Endothall (100)	09209~01	10 U	EPA 548	5/21/96	10	84269
2034	Glyphosate (700)	09209-01	10 U	EPA 547	5/23/96	10	84269
2035	Di(2-ethylhexyl)adipate (400)	09209-01	1 U	EPA 506	5/21/96	1	84269
2036	Oxamyl (Vydate) (200)	09209-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2037	Simazine (4)	09209-01	0.1 U	EPA 507	5/21/96	0.1	84269
£	Di(2-ethylhexyl)phthalate (6)	09209-01	1 U	EPA 506	5/21/96	1	84269
40	Picloram (500)	09209-01	0.2 U	EPA 515.1	5/22/96	0.2	84269
2041	Dinoseb (7)	09209-01	0.2 U	EPA 515.1	5/22/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	09209-01	0.1 U	EPA 505	5/20/96	0.1	84269
2046	Carbofuran (40)	09209-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2050	Atrazine (3)	09209-01	0.1 U	EPA 507	5/21/96	0.1	84269
2051	Alachlor (2)	09209-01	0.3 U	EPA 507	5/21/96	0.3	84269
2065	Heptachlor (.4)	09209-01	0.01 U	EPA 508	5/21/96	0.01	84269
2067	Heptachlor epoxide (.2)	09209-01	0.01 U	EPA 508	5/21/96	0.01	84269
2105	2.4-D (70)	09209-01	0.5 U	EPA 515.1	5/22/96	0.5	84269
2110	2,4,5-TP (Silvex) (50)	09209-01	0.05 U	EPA 515.1	5/22/96	0.05	84269
2274	Hexachlorobenzene (1)	09209-01	0.01 U	EPA 508	5/21/96	0.01	84269
2306	Benzo(a)pyrene (.2)	09209-01	0.01 U	EPA 550	5/21/96	0.01	84269
2326	Pentachlorophenol (1)	09209~01	0.05 U	EPA 515.1	5/22/96	0.05	84269
2383	PCBs (.5)	09209-01	0.05 U	EPA 508	5/21/96	0.05	84269
2931	Dibromochloropropane (.2)	09209-01	0.005 U	EPA 504	5/22/96	0.005	84269
2946	Ethylene dibromide (.02)	09209-01	0.005 U	EPA 504	5/22/96	0.005	84269
Э	Chlordane (2)	09209-01	0.05 U	EPA 508	5/21/96	0.05	84269

S- #RF Pilot, #8175 Well #18

en la compañía

.

TRIHALOMETHANE ANALYSIS 62-550.310(2)(a)

.

(PWS027)

Parameter <u>ID NAME (MCL ug/l)</u>	•	Analysis <u>Result(ug/l)</u>	-	Analysis <u>Date</u>	MDL	Lab ID
2950 Total THMs (0.10)	09209-01	0.0053	EPA 502.2	5/23/96	0.0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b) (PWS028)

Param ID	eter <u>NAME (MCL ug/l)</u>	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	_MDL	Lab ID
2378	1,2,4-Trichlorobenzene (70)	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2380	cis-1,2-Dichloroethene (70)	09209-01	0.2 U	EPA 502.2	5/23/96	0.2	84269
۰ ī	Xylenes (Total) (10,000)	09209-01	6.1	EPA 502.2	5/23/96	0.5	84269
2964	Dichloromethane (5)	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
68ء ي	o-Dichlorobenzene (600)	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2969	p-Dichlorobenzene (75)	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2976	Vinyl chloride (1)	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2977	1,1-Dichloroethene (7)	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2979	trans-1,2-Dichloroethene (100)	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2980	1,2-Dichloroethane (3)	09209-01	0.2 U	EPA 502.2	5/23/96	0.2	84269
2981	1,1,1-Trichloroethane (200)	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2982	Carbon tetrachloride (3)	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2983	1,2-Dichloropropane (5)	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2984	Trichloroethene (3)	09209-01	0.2 U	EPA 502.2	5/23/96	0.2	84269
2985	1,1,2-Trichloroethane (5)	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2987	Tetrachloroethene (3)	09209-01	0.2 U	EPA 502.2	5/23/96	0.2	84269
2989	Monochlorobenzene (100)	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2990	Benzene (1)	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2991	Toluene (1,000)	09209-01	3.3	EPA 502.2	5/23/96	0.5	84269
;	Ethylbenzene (700)	09209-01	0.93	EPA 502.2	5/23/96	0.5	84269
2006	Styrene (100)	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269

SYWRF Pilot, #8175 WC 418

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param <u>ID</u>	neter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result (ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2021	Carbaryl	09209-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2022	Methomyl	09209-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2043	Aldicarb sulfoxide	09209-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2044	Aldicarb sulfone	09209-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2045	Metolachlor	09209~01	0.3 U	EPA 507	5/21/96	0.3	84269
2047	Aldicarb	09209-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2066	3-Hydroxycarbofuran	09209-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2077	Propachlor	09209-01	0.05 U	EPA 508	5/21/96	0.05	84269
2356	Aldrin	09209-01	0.01 U	EPA 508	5/21/96	0.01	84269
. i	Dieldrin	09209-01	0.01 U	EPA 508	5/21/96	0.01	84269
40	Dicamba	09209~01	0.05 U	EPA 515.1	5/22/96	0.05	84269
2595	Metribuzin	09209-01	0.2 U	EPA 507	5/21/96	0.2	84269

WRF Pilot. #8175 Well #18

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Param <u>ID</u>	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2210	Chloromethane	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2212	Dichlorodifluoromethane	09209-01	0.5 V	EPA 502.2	5/23/96	0.5	84269
2214	Bromomethane	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2216	Chloroethane	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2218	Trichlorofluoromethane	09209-01	Ò.5 U	EPA 502.2	5/23/96	0.5	84269
2251	Methyl-tert-butyl-ether	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2408	Dibromomethane	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2410	1,1-Dichloropropene	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2412	1,3-Dichloropropane	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
3	1,3-Dichloropropene	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
14	1,2,3-Trichloropropane	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2416	2,2-Dichloropropane	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2941	Chloroform	09209-01	5.3	EPA 502.2	5/23/96	0.2	84269
2942	Bromoform	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2943	Bromodichloromethane	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2944	Dibromochloromethane	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2965	o-Chlorotoluene	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2966	p-Chlorotoluene	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2967	m-Dichlorobenzene	09209~01	0.5 U	EPA 502.2	5/23/96	0.5	84269
2978	1,1-Dichloroethane	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2986	1,1,1,2-Tetrachloroethane	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2988	1,1,2,2-Tetrachloroethane	09209-01	0.3 U	EPA 502.2	5/23/96	0.3	84269
2993	Bromobenzene	09209-01	0.5 U	EPA 502.2	5/23/96	0.5	84269

S-WRF Pilot, #8175 Werr #18

N.

Southern Analytical Project No. 09209 June 10, 1996

UNREGULATED GROUP III ANALYSIS 62~550.415 (PWSO36 & O37*)

Parameter	Sample	Analysis	Analyt.	Analysis		Lab
ID NAME (MCL ug/1)	Number	Result(ug/1)	Method	Date	MDL	<u>ID</u>
2262 Isophorone	09209-01	1 U	EPA 609	5/21/96	1	84269
2270 2,4-Dinitrotoluene	09209-01	1 U	EPA 609	5/21/96	1	84269
2282 Dimethylphthalate	09209-01	1 U	EPA 506	5/16/96	1	84269
2284 Diethylphthalate	09209-01	1 U	EPA 506	5/16/96	1	84269
2290 Di-n-butylphthalate	09209-01	1 U	EPA 506	5/16/96	1	84269
2294 Butyl benzyl phthalate	09209-01	1 U	EPA 506	5/16/96	1	84269
9089 Di-n-octylphthalate	09209-01	1 U	EPA 506	5/16/96	1	84269
9108* 2-Chlorophenol	09209-01	5 U	EPA 604	5/16/96	5	84269
9112* 2-Methyl-4,6-dinitrophenol	09209-01	20 U	EPA 604	5/16/96	20	84269
• * Phenol	09209-01	5 U	EPA 604	5/16/96	5	84269
6* 2,4,6-Trichlorophenol	0920901	10 U	EPA 604	5/16/96	10	84269



3437 s.w. 24th avenue	•	gainesville, florida 32607	•	352-372-0436	٠	fax 352-378-6483

Report No. 78189 Subject: SRWRF Received: MAY 15 1996 Date MAY 21 1996 DHRS/DEP # 82135/E8203)

TOM PARK PPB ENVIRONMENTAL LAB 6821 SW ARCHER ROAD GAINESVILLE, FL 32608

RESULTS OF ANAL	YSIS	ANALYSIS METHOD		RESULT	ANALYST	ANALYSIS DATE/TIM:
	?					
Sample 1 SRWRF	13146 05/14/96	05:00PM				
FOAMING AGENTS	· · · · · · · · · · · · · · · · · · ·	EPA 425.1	< .025	MG/L	JP	05/16/96 01:00/

Respectfully	Suppritted	for_ABC	Research
Victor Kowals	1/ 1	19	
- fluer	unal the	<u></u>	
Victor Kowals	ski, PhD		

System 8

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFO	RMATION (to be completed	by system or lab)	
System Name:	······	I.D. #:	
Address: Type (check one): () Communi	ity () Nontransient Noncol		()
SAMPLE INFORMATION (to be	completed by sampler)		
Sample Date (MMDDYY):/	/ Sample Time:		
Sample Location (be specific):			
			()
			_ Title:
Check Type(s): () Distributio () Clearance	on () Recheck of () Thm Max F	i MCL () Resan Res Time () Plant 1	ple of Lab Invalidated Sample
LABORATORY CERTIFICATION	I INFORMATION (to be comp	pleted by lab) – ATTACH HRS A	NALYTE SHEET*
Lab Name: PPB Environmental	l Laboratories, inc.	HRS #: <u>82282</u>	Expiration Date:
Address:6821 SW Archer Re	oad, Gainesville, FL 32608		Phone #: <u>(352) 377-2349</u>
Subcontracted Lab HRS #: <u>8317</u> ANALYSIS INFORMATION (to b Date Sample(s) Received: <u>5/22</u>	e completed by lab) – SAMF	PLE NUMBER:131615 5	
	() Nitrite Only	() Asbestos Only	(x) Trihaiomethanes
inorganics– ()All 17 (x)Partial	Volatile Organics (x) All 21 ()Partial		
Group I Unregulateds– () All 13 (x) Partial	Group II Unregulateds (x) All 23 ((x) All 11 () Partial	Radiochemicals- (x) Single Sample () Qtrly Composite** dates & locations for each guarter
I, <u>Paul Berman</u> Signature	2 Berm	do HEREBY CERTIFY that all atta	
Title QA Officer		1. W	Date <u>6/14/96</u>
COMPLIANCE INFORMATION (to	be completed by State)		
Sample Collection Satisfactory:	Sa	mple Analysis Satisfactory:	
Resample Requested for:			
Person notified to resample:			
DEP/HRS Reviewing Official:			

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample.

Effective January 1995

. . .

...^{...},

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>1D</u>	<u>Name</u>	(MCL mg/l)	Number	Result (mg/i)	Method	Date	<u>(mg/l)</u>	ID
1005	ARSENIC	(.05)	131615	0.002	SM 3113B	06/08/96	0.001	82282
1010	BARIUM	(2)	131615	0.076	EPA 200.7	05/30/96	0.001	82282
1015	CADMIUM	(.005)	131615	0.0002	SM 3113B	06/01/96	0.0001	82282
1020	CHROMIUM	(0.1)	131615	0.054	EPA 200.7	05/30/96	0.005	82282
1024	CYANIDE	(0.2)	131615	0.004 Ų	SM 4500CNE	06/04/96	0.004	82282
1025	FLUORIDE	(4)	131615	0.77	SM 4500FC	05/28/96	0.02	82282
1030	LEAD	(0.015)	131615	0.009	SM 3113B	05/29/96	0.001	82282
1035	MERCURY	(0.002)	131615	0.0001 K	EPA 245.1	05/28/96	0.00005	82282
1036	NICKEL	(0.1)	131615	0.030	EPA 200.7	05/30/96	0.030	82282
1040	NITRATE	(10)	131615	0.103	EPA 353.2	05/23/96	0.004	82282
1041	NITRITE	(1)	131615	0.074	EPA 353.2	05/22/96	0.003	82282
1045	Selenium	(0.05)	131615	0.005 K	SM 3113B	06/08/96	0.001	82282
1052	SODIUM	(160)	131615	86.6	EPA 200.7	05/30/96	0.05	82282
1074	ANTIMONY	(0.006)	131615	0.003 U	SM 3113B	06/12/96	0.003	82282
1075	BERYLLIUM	(0.004)	131615	0.004 K	EPA 200.7	05/30/96	0.003	82282
1085	THALLIUM	(0.002)	131615	0.002 U	EPA 200.9	05/30/96	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param			Sample	Analysis*	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name</u>	(MCL mg/l)	<u>Number</u>	<u>Result (mg/l)</u>	<u>Method</u>	<u>Date</u>	<u>(mg/i)</u>	ID
1002	ALUMINUM	(0.2)	131615	16.1	EPA 200.7	05/30/96	0.01	82282
1017	CHLORIDE	(250)	131615	88.4	EPA 325.2	05/30/96	0.3	82282
1022	COPPER	(1)	131615	0.54	EPA 200.7	05/30/96	0.01	82282
1020	FLUORIDE	(2.0)	131615	0.77	SM 4500FC	05/28/96	0.02	82282
1028	IRON	(0.3)	131615	10.4	EPA 200.7	05/30/96	0.005	82282
1032	MANGANESE	(0.05)	131615	0.137	EPA 200.7	05/30/96	0.005	82282
1050	SILVER	(0.1)	131615	0.0001 U	SM 3113B	06/04/96	0.0001	82282
1055	SULFATE	(250)	131615	43.2	EPA 375.4	06/11/96	1	82282
1095	ZINC	(5)	131615	0.024	EPA 200.7	05/30/96	0.004	82282
1905	COLOR	(15 color units)	131615	180	SM 2120B	05/22/96	5	82282
1920	ODOR (3 three	eshold odor number)	131615	10	SM 2150B	05/22/96	1	82282
1925	РH	(6.5-8.5)	131615	7.2	EPA 150.1	05/22/96		82282
1930	TOTAL DISSOLV	/ED SOLIDS (500)	131615	682	SM 2540C	05/28/96	3	82282
2905	FOAMING AGEN	ITS (0.5)	131615	0.5 K	SM 5540C	05/22/96	0.025	82135

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

- -

.

.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran	neter		Sample	Analysis	Analysis	Analysis		1
ID	<u>Name</u>	(MCL mg/l)	<u>Number</u>	Result (mg/l)		<u>Date</u>	MDL	Lab ID
2950	TOTAL THMS	(0.10)	09235-01		EPA 502.2			<u> </u>

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Param	eter		Sample	Analysis	Analysis	Analysis		Lab
D	<u>Name</u>	(MCL_pCi/I)	<u>Number</u>	Result (pCi/l)		<u>Date</u>	Error	Lab <u>ID</u>
4000	GROSS ALPHA		131615	24.9 ± 3,1	EPA 900.0	06/04/96	1	83170
4012	PHOTON EMITTI	ERS	NA				•	00110
4020	RADIUM-226		131815	3.0 ± 0.2	EPA 903.1	06/06/96	1	83170
4030	RADIUM-228		131615	0.8 ± 0.4	BROOKS/BLANC		4	83170
4101	MAN-MADE BETA	4	NA		Direction	00/10/80	ł	03170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(8) (PWS028)

Param	teter		Sample	Analysis	Analysis	Analysis	1
ID	<u>Name</u>	(MCL µg/I)	Number	Result (µg/I)	Method	Date MDL	Lab <u>ID</u>
2378	1,2,4-TRICHLOROBENZENE	(70)	09235-01	0.5 U	EPA 502.2	05/30/96 0.5	
2380	CIS-1,2-DICHLOROETHYLEN		09235-01	0.2 U	EPA 502.2	05/30/96 0.2	84269
2955	XYLENES (TOTAL)	(10,000)	09235-01	0.5 U	EPA 502.2		84269
2964	DICHLOROMETHANE	(5)	09235-01			05/30/96 0.5	84269
2968	Ö-DICHLOROBENZENE	(600)		0.5 U	EPA 502.2	05/30/96 0.5	84269
2969	PARA-DICHLOROBENZENE	• •	09235-01	0.5 U	EPA 502.2	05/30/96 0.5	84269
2976	VINYL CHLORIDE	(75)	09235-01	0.5 U	EPA 502.2	05/30/96 0.5	84269
2977		(1)	09235-01	0.5 U	EPA 502.2	05/30/96 0.5	84269
2979	1,1-DICHLOROETHYLENE	(7)	09235-01	0.5 U	EPA 502.2	05/30/98 0.5	84269
2979	TRANS-1,2-DICHLOROETHY		09235-01	0.5 U	EPA 502.2	05/30/96 0.5	84269
	1,2-DICHLOROETHANE	(3)	09235-01	0.2 U	EPA 502.2	05/30/96 0.2	84269
2981	1,1,1-TRICHLOROETHANE	(200)	09235-01	0.3 U	EPA 502.2	05/30/96 0.3	84269
2982	CARBON TETRACHLORIDE	(3)	09235-01	0.3 U	EPA 502.2	05/30/96 0.3	84269
2983	1,2-DICHLOROPROPANE	(5)	09235-01	0.3 U	EPA 502.2	05/30/96 0,3	84269
2984	TRICHLOROETHYLENE	(3)	09235-01	0.2 U	EPA 502,2	05/30/96 0.2	84269
2985	1,1,2-TRICHLOROETHANE	(5)	09235-01	0.3 U	EPA 502.2	05/30/96 0.3	84269
2987	TETRACHLOROETHYLENE	(3)	09235-01	0.2 U	EPA 502.2	05/30/96 0.2	84269
2989	MONOCHLOROBENZENE	(100)	09235-01	0.5 Ū	EPA 502.2	05/30/96 0.5	84269
2990	Benzene	`(1) ´	09235-01	0.5 U	EPA 502.2	05/30/96 0.5	
2991	TOLUENE	(1,000)	09235-01	2.6	EPA 502.2	05/30/96 0.5	84269
2992	ETHYLBENZENE	(700)	09235-01	0.84	EPA 502.2	05/30/96 0.5	84269
2996	STYRENE	(100)	09235-01	0.5 U	EPA 502.2	05/30/96 0.5	84269
		v • • • •		0.00	GEN OUZ.Z	09/30/86 0.5	84269

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

_			,	,				
Param			Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name</u>	<u>(MCL µg/l)</u>	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	<u>Date</u>	<u>MDL</u>	ID
2005	ENDRIN	(2)	09235-01	0.01 U	EPA 508	05/28/96	0.01	84269
2010	LINDANE	(.2)	09235-01	0.01 U	EPA 508	05/28/96	0.01	84269
2015	METHOXYCHLOR	(40)	09235-01	0.02 U	EPA 508	05/28/96	0.02	84269
2020	TOXAPHENE	(3)	09235-01	0.2 U	EPA 508	05/28/96	0.2	84269
2031	DALAPON	(200)	09235-01	1 U	EPA 515.1	06/04/96	1	84269
2032	DIQUAT	(20)	09235-01	8 K1	EPA 549.1	05/28/96	4	84269
2033	ENDOTHALL	(100)	09235-01	10 U	EPA 548	05/23/96	10	84269
2034	GLYPHOSATE	(700)	09235-01	10 U	EPA 547	06/03/96	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	09235-01	1 U	EPA 506	05/28/96	1	84269
2036	Oxamyl (Vydate)	(200)	09235-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2037	SIMAZINE	(4)	09235-01	0.1 U	EPA 507	05/28/96	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALAT		09235-01	1 U	EPA 506	05/28/96	1	84269
2040	PICLORAM	(500)	09235-01	0.2 U	EPA 515.1	06/04/96	0.2	84269
2041	DINOSEB	(7)	09235-01	0.2 U	EPA 515.1	06/04/96	0.2	84269
2042	HEXACHLOROCYCLOPENTADI	ene (50)	09235-01	0.1 U	EPA 505	06/03/96	0.1	84269
2046	CARBOFURAN	(40)	09235-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2050	ATRAZINE	(3)	09235-01	0.1 U	EPA 507	05/28/96	0.1	84269
2051	Alachlor	(2)	09235-01	0.3 U	EPA 507	05/28/96	0.3	84269
2063	2,3,7,8-TCDD (Dioxin)	(.00003)	09235-01		EPA			84269
2065	HEPTACHLOR	(.4)	09235-01	0.01 U	EPA 508	05/28/96	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	09235-01	0.01 U	EPA 508	05/28/96	0.01	84269
2105	2,4-D	(70)	09235-01	0.5 U	EPA 515.1	06/04/96	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	09235-01	0.05 U	EPA 515.1	06/04/96	0.05	84269
2274	HEXACHLOROBENZENE	(1)	09235-01	0.01 U	EPA 508	05/28/96	0.01	84269
2306	BENZO(A)PYRENE	(.2)	09235-01	0.01 U	EPA 550	05/28/96	0.01	84269
2326	PENTACHLOROPHENOL	(1)	09235-01	0.05 U	EPA 515.1	06/04/96	0.05	84269
2383	PCB	(.5)	09235-01	0.05 U	EPA 508	05/28/96	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	09235-01	0.005 U	EPA 504	06/04/96	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	09235-01	0.005 U	EPA 504	06/04/96	0.005	84269
2959	CHLORDANE	(2)	09235-01	0.05 U	EPA 508	05/28/96	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param	eter		Sample	Analysis	Analysis	Analysis		Lab
ID	Name	(MCL µg/l)	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	Date	<u>MDL</u>	<u>1D</u>
2021	CARBARYL		09235-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2022	METHOMYL		09235-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2043	ALDICARB SULFOXIDE		09235-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2044	ALDICARB SULFONE		09235-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2045	METOLACHLOR		09235-01	0.3 U	EPA 507	05/28/96	0.3	84269
2047	Aldicarb		09235-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2066	3-HYDROXYCARBOFURAN		09235-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2077	PROPACHLOR		09235-01	0.05 U	EPA 508	05/28/96	0.05	84269
2356	Aldrin		09235-01	0.01 U	EPA 508	05/28/96	0.01	84269
2364	DIELDRIN		09235-01	0.01 U	EPA 508	05/28/96	0.01	84269
2440	DICAMBA		09235-01	0.05 U	EPA 515.1	06/04/96	0.05	84269
2595	METRIBUZIN		09235-01	0.2 U	EPA 507	05/28/96	0.2	84269

U - Analyte was not detected; indicated concentration is method detection limit. X - Analyte was less than indicated concentration; indicated concentration is MDL_x_Sample Dilution Factor.

* - Reduced sample volume used for analysis due to interference from sediment.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Param <u>ID</u>	neter <u>Name (MCL <i>µ</i>q/I)</u>	Sample <u>Number</u>	Analysis <u>Result (µg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL	Lab <u>ID</u>
2210 2212 2214 2216 2218 2251 2408	CHLOROMETHANE DICHLORODIFLUOROMETHANE BROMOMETHANE CHLOROETHANE TRICHLOROFLUOROMETHANE METHYL-TERT-BUTYL-ETHER DIRECMOMETHANE	09235-01 09235-01 09235-01 09235-01 09235-01 09235-01	0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U	EPA 502.2 EPA 502.2 EPA 502.2 EPA 502.2 EPA 502.2 EPA 502.2	05/30/96 05/30/96 05/30/96 05/30/96 05/30/96	0.5 0.5 0.5 0.5 0.5	84269 84269 84269 84269 84269 84269 84269
2408 2410 2412 2413 2414 2416 2941	DIBROMOMETHANE 1,1-DICHLOROPROPYLENE 1,3-DICHLOROPROPANE 1,3-DICHLOROPROPENE 1,2,3-TRICHLOROPROPANE 2,2-DICHLOROPROPANE CHLOROFORM	09235-01 09235-01 09235-01 09235-01 09235-01 09235-01 09235-01	0.5 U 0.3 U 0.5 U 0.3 U 0.3 U 0.3 U 2.3	EPA 502.2 EPA 502.2 EPA 502.2 EPA 502.2 EPA 502.2 EPA 502.2 EPA 502.2 EPA 502.2	05/30/96 05/30/96 05/30/96 05/30/96 05/30/96 05/30/96	0.5 0.3 0.5 0.3 0.3 0.3 0.3	84269 84269 84269 84269 84269 84269 84269 84269
2942 2943 2944 2965 2966 2967 2978 2978 2986 2988 2988 2993	BROMOFORM BROMODICHLOROMETHANE DIBROMOCHLOROMETHANE O-CHLOROTOLUENE P-CHLOROTOLUENE M-DICHLOROBENZENE 1,1-DICHLOROBENZENE 1,1,2-TETRACHLOROETHANE 1,1,2,2-TETRACHLOROETHANE BROMOBENZENE	09235-01 09235-01 09235-01 09235-01 09235-01 09235-01 09235-01 09235-01 09235-01 09235-01	0.5 U 0.43 0.5 U 0.5 U 0.5 U 0.5 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U	EPA 502.2 EPA 502.2	05/30/96 05/30/96 05/30/96 05/30/96 05/30/96 05/30/96 05/30/96 05/30/96 05/30/96 05/30/96	0.5 0.3 0.5 0.5 0.5 0.5 0.5 0.3 0.3 0.3 0.3 0.5	84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Parameter		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name (MCL µg/l)</u>	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	<u>Date</u>	<u>MDL</u>	<u>1D</u>
2262	ISOPHORONE	09235-01	1 U	EPA 609	05/28/96	1	84269
2270	2,4-DINITROTOLUENE	09235-01	1 U	EPA 609	05/28/96	1	84269
2282	DIMETHYLPHTHALATE	09235-01	1 U	EPA 506	05/28/96	1	84269
2284	DIETHYLPHTHALATE	09235-01	1 U	EPA 506	05/28/96	1	84269
2290	DI-N-BUTYLPHTHALATE	09235-01	1 U	EPA 506	05/28/96	1	84269
2294	BUTYL BENZYL PHTHALATE	09235-01	1 U	EPA 506	05/28/96	1	84269
9089	DIOCTYLPHTHALATE	09235-01	1 U	EPA 506	05/28/96	1	84269
9108*	2-Chlorophenol	09235-01	5 U	EPA 604	05/28/96	5	84269
9112*	2-METHYL-4,6-DINITROPHENOL	09235-01	20 U	EPA 604	05/28/96	20	84269
9115*	Phenol	09235-01	5 U	EPA 604	05/28/96	5	84269
9116*	2,4,6-TRICHLOROPHENOL	09235-01	10 U	EPA 604	05/28/96	10	84269

COLIFORM ANALYSIS

Para <u>ID</u>	meter <u>Name</u>	(MCL µg/I)	Sample <u>Number</u>	Analysis <u>Result (µg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL	Lab <u>ID</u>
		OLIFORMS (MPN) OLIFORMS (MPN)	131615 131615	1,600 13		05/22/96 05/22/96	1 1	82135 82135

× *.

.

• •



.

Report No. 78542 Subject: WATER REC'D 01:17PM BY C. TIEDEMANN ANALYSIS BEGUN 01:35PM Received: MAY 22 1996

gainesville, florida 32607

PAUL BERMAN PPB ENVIRONMENTAL LAB 6821 SW ARCHER ROAD GAINESVILLE, FL 32608

Client # 2643 Phone: (352) 377-2349 Fax: (352) 395-6639

904-372-0436 • fax 904-378-6483

RESULTS OF ANALYSIS

8#13

Sample 1 SYSTEM 2814 5/21/96 1530 131615

3437 s.w. 24th avenue

TOTAL COLIFORMS (MPN) FECAL COLIFORMS (MPN) 1,600 / 100ML 13 / 100ML

Additional Notes & Comments for Sample Report 78542

AMPLE #1 WAS RECEIVED OUT OF HOLDING TIME FOR COMPLIANCE PURPOSES. PROJECT NAME- SOUTHEAST DRILLING

Respectfull for, ABC Research mitled Catherine Arar Manager of Analytical Microbiology

543 гет 8 Well 13 H-B No. 131615

. .

Southern Analytical Project No. 09235 June 12, 1996

TRIHALOMETHANE ANALYSIS 62~550.310(2)(a)

(PWS027)

Param ID			Analysis Result(ug/l)	Analyt. Method	Analysis <u>Date</u>	_MDL	Lab ID
2950	Total THMs (0.10)	09235-01	0.0027	EPA 502.2	5/30/96	0.0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b) (PWS028)

Paran <u>ID</u>	meter NAME (MCL ug/1)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis Date	MDL	Lab <u>ID</u>
2378	1,2,4-Trichlorobenzene (70)	09235~01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2380	cis-1,2-Dichloroethene (70)	09235-01	0.2 U	EPA 502.2	5/30/96	0.2	84269
5	Xylenes (Total) (10,000)	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2964	Dichloromethane (5)	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
68 دے	o-Dichlorobenzene (600)	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2969	p-Dichlorobenzene (75)	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2976	Vinyl chloride (1)	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2977	1,1-Dichloroethene (7)	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2979	trans-1,2-Dichloroethene (100)	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2980	1.2-Dichloroethane (3)	09235-01	0.2 U	EPA 502.2	5/30/96	0.2	84269
2981	1,1,1-Trichloroethane (200)	09235-01	0.3 U	EPA 502.2	5/30/96	0.3	84269
2982	Carbon tetrachloride (3)	09235-01	0.3 U	EPA 502.2	5/30/96	0.3	84269
2983	1,2-Dichloropropane (5)	09235-01	0.3 U	EPA 502.2	5/30/96	0.3	84269
2984	Trichloroethene (3)	09235-01	0.2 U	EPA 502.2	5/30/96	0.2	84269
2985	1,1,2-Trichloroethane (5)	09235-01	0.3 U	EPA 502.2	5/30/96	0.3	84269
2987	Tetrachloroethene (3)	09235-01	0.2 U	EPA 502.2	5/30/96	0.2	84269
2989	Monochlorobenzene (100)	09235~01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2990	Benzene (1)	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2991	Toluene (1,000)	09235-01	2.6	EPA 502.2	5/30/96	0.5	84269
5	Ethylbenzene (700)	09235-01	0.84	EPA 502.2	5/30/96	0.5	84269
2006	Styrene (100)	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269

Pro No. 131615

. .

PESTICIDE & PCB CHEMICAL ANALYSIS 62~550.310(2)(c) (PWS029)

Parat ID	neter NAME (MCL ug/l)	Sample Number	Analysis Result(ug/l)	Analyt. Method	Analysis Date	MDL	Lab <u>ID</u>
2005	Endrin (2)	09235-01	0.01 U	EPA 508	5/28/96	0.01	84269
2010	Lindane (.2)	09235-01	0.01 U	EPA 508	5/28/96	0.01	84269
2015	Methoxychlor (40)	09235-01	0.02 U	EPA 508	5/28/96	0.02	84269
2020	Toxaphene (3)	09235-01	0.2 U	EPA 508	5/28/96	0.2	84269
2031	Dalapon (200)	09235-01	1 U	EPA 515.1	6/4/96	1	84269
2032	Diquat (20)	09235-01	8 K1	EPA 549.1	5/28/96	4	84269
2033	Endothall (100)	09235-01	10 U	EPA 548	5/23/96	10	84269
2034	Glyphosate (700)	09235-01	10 U	EPA 547	6/3/96	10	84269
2035	Di(2-ethylhexyl)adipate (400)	09235-01	1 U	EPA 506	5/28/96	1	84269
2036	Oxamyl (Vydate) (200)	09235-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2037	Simazine (4)	09235-01	0.1 U	EPA 507	5/28/96	0.1	84269
)	Di(2-ethylhexyl)phthalate (6)	09235-01	1 U	EPA 506	5/28/96	1	84269
r 10	Picloram (500)	09235-01	0.2 U	EPA 515.1	6/4/96	0.2	84269
2041	Dinoseb (7)	09235-01	0.2 U	EPA 515.1	6/4/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	09235-01	0.1 U	EPA 505	6/3/96	0.1	84269
2046	Carbofuran (40)	09235-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2050	Atrazine (3)	09235-01	0.1 U	EPA 507	5/28/96	0.1	84269
2051	Alachlor (2)	09235-01	0.3 U	EPA 507	5/28/96	0.3	84269
2065	Heptachlor (.4)	09235-01	0.01 U	EPA 508	5/28/96	0.01	84269
2067	Heptachlor epoxide (.2)	09235-01	0.01 U	EPA 508	5/28/96	0.01	84269
2105	2,4-D (70)	0923501	0.5 U	EPA 515.1	6/4/96	0.5	84269
2110	2,4,5-TP (Silvex) (50)	09235-01	0.05 U	EPA 515.1	6/4/96	0.05	84269
2274	Hexachlorobenzene (1)	09235-01	0.01 U	EPA 508	5/28/96	0.01	84269
2306	Benzo(a)pyrene (.2)	09235-01	0.01 U	EPA 550	5/28/96	0.01	84269
2326	Pentachlorophenol (1)	09235-01	0.05 U	EPA 515.1	6/4/96	0.05	84269
2383	PCBs (.5)	09235-01	0.05 U	EPA 508	5/28/96	0.05	84269
2931	Dibromochloropropane (.2)	09235-01	0.005 U	EPA 504	6/4/96	0.005	84269
2946	Ethylene dibromide (.02)	09235-01	0.005 U	EPA 504	6/4/96	0.005	84269
3	Chlordane (2)	09235-01	0.05 U	EPA 508	5/28/96	0.05	84269

U Analyte was not detected; indicated concentration is method detection limit.

 K - Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor.
 ¹ Reduced sample volume used for analysis due to interference from sediment.

F.J No. 131615

. .

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Paran <u>ID</u>	meter <u>NAME (MCL ug/l)</u>	Sample <u>Number</u>	Analysis Result (ug/l)	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2021	Carbary]	09235~01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2022	Methomyl	09235-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2043	Aldicarb sulfoxide	09235-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2044	Aldicarb sulfone	09235-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2045	Metolachlor	09235-01	0.3 U	EPA 507	5/28/96	0.3	84269
2047	Aldicarb	09235-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2066	3-Hydroxycarbofuran	09235-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2077	Propachlor	09235-01	0.05 U	EPA 508	5/28/96	0.05	84269
2356	Aldrin	09235-01	0.01 U	EPA 508	5/28/96	0.01	84269
	Dieldrin	09235-01	0.01 U	EPA 508	5/28/96	0.01	84269
n 10	Dicamba	09235-01	0.05 U	EPA 515.1	6/4/96	0.05	84269
2595	Metribuzin	09235-01	0.2 U	EPA 507	5/28/96	0.2	84269

F. No. 131615

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWSO34)

Paran ID	neter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis Date	MDL	Lab ID
2210	Chloromethane	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2212	Dichlorodifluoromethane	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2214	Bromomethane	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2216	Chloroethane	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2218	Trichlorofluoromethane	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2251	Methyl-tert-butyl-ether	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2408	Dibromomethane	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2410	1.1-Dichloropropene	09235-01	0.3 U	EPA 502.2	5/30/96	0.3	84269
2412	1,3-Dichloropropane	09235-01	0.3 U	EPA 502.2	5/30/96	0.3	84269
	1,3-Dichloropropene	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2*14	1,2,3-Trichloropropane	09235-01	0.3 U	EPA 502.2	5/30/96	0.3	84269
2416	2,2-Dichloropropane	09235-01	0.3 U	EPA 502.2	5/30/96	0.3	84269
2941	Chloroform	09235-01	2.3	EPA 502.2	5/30/96	0.2	84269
2942	Bromoform	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2943	Bromodichloromethane	09235-01	0.43	EPA 502.2	5/30/96	0.3	84269
2944	Dibromochloromethane	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2965	o-Chlorotoluene	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2966	p-Chlorotoluene	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2967	m-Dichlorobenzene	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269
2978	1,1-Dichloroethane	09235-01	0.3 U	EPA 502.2	5/30/96	0.3	84269
2986	1,1,1,2-Tetrachloroethane	09235-01	0.3 U	EPA 502.2	5/30/96	0.3	84269
2988	1,1,2,2-Tetrachloroethane	09235~01	0.3 U	EPA 502.2	5/30/96	0.3	84269
2 9 93	Bromobenzene	09235-01	0.5 U	EPA 502.2	5/30/96	0.5	84269

U - Analyte was not detected; indicated concentration is method detection limit.

de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la

P⊢¤ No. 131615

1

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWSO36 & 037*)

Lab ID
84269
84269
84269
84269
84269
84269
84269
84269
84269
84269
84269



	3437 s.w. 24th avenue	•	gainesville, florida 32607	•	352-372-0436 • fax 352-378-6483
F ort No.	78541 Sys7em 2 #14				Cate Man St itera
	MAY 22 1996				○当時日×○日午 ★ 法公司成日×日日日 → → →
TOM PAR PP8 ENV	K Ironmental Lab				
6821 SW	ARCHER ROAD (LLE, FL 320	508			

RESULTS OF ANALYSIS

ANALYSIS METHOD

RESULT AVALATE AVALUATE CATEGORY

Sample 1 SYSTEM 2 #14 LAB I.D.# 131615 05/21/96 03:038M FDAMING AGENTS (SURFACTANTS) EPA 425.1 .500

Respectfully Submitted for ASC Research

rak 1

Victor Kowalski, PhD Director, Quality Control

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFOR	RMATION (to be complete	ed by system or lab)	
System Name:		I.D. #:	
Address: Type (check one): () Communit	y () Nontransient Nond	Phone #: ()
SAMPLE INFORMATION (to be a	completed by sampler)		
Sample Date (MMDDYY):/	/ Sample Time:	<i></i>	
Sample Location (be specific):		· · · · · · · · · · · · · · · · · · ·	•••••
Sampler Name and Phone:		()
Sampler's Signature:		· · · · · · · · · · · · · · · · · · ·	Title:
Check Type(s): () Distribution () Clearance () Distrib entri	() Thm Max	of MCL () Resampl Res Time () Plant Ta () Composite of Multiple S	p
LABORATORY CERTIFICATION	INFORMATION (to be con	mpleted by lab) – ATTACH HRS AN	ALYTE SHEET*
Lab Name: PPB Environmental	Laboratories, Inc.	HRS #: <u>82282</u> E	xpiration Date:
Address:6821 SW Archer Ro	ad, Gainesville, FL 32608	P	none #: <u>(352) 377-2349</u>
Subcontracted Lab HRS #: _83170) <u>, 82135, 84269</u> – A	TTACH HRS ANALYTE SHEET FOR	SUBCONTRACTED LAB, TOO*
ANALYSIS INFORMATION (to be	completed by lab) – SAI	MPLE NUMBER: 131660	sten #8, Wen #14
Date Sample(s) Received: 5/28/	96 Group(s) A	analyzed & Results attached for compli	ance with 62-550, F.A.C.:
() Nitrate Only	() Nitrite Only	() Asbestos Only	(x) Trihalomethanes
Inorganics– ()All 17 (x)Partial	Volatile Organics– (x) All 21 ()Partial	Secondaries– (x)All 14 ()Partial	Pesticide/PCBs ()All 30 (x)Partial
Group I Unregulateds– ()All 13 (x)Partial	Group II Unregulateds– (x) All 23 () Partial		(x) Single Sample
		Provide radiochemical sample d	 () Qtrly Composite ates & locations for each quarter
I,Paul Berman	i	, do HEREBY CERTIFY that all attach	ned analytical data are correct.
Signature <u>Fau</u>	Bernan		
Title QA Officer			Date <u>6/14/96</u>
COMPLIANCE INFORMATION (to	be completed by State)		
Sample Collection Satisfactory:		Sample Analysis Satisfactory:	
Resample Requested for:			·····
Person notified to resample:			- att
DEP/HRS Reviewing Official:			· ··· -

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample. Effective January 1995

, *'*

,

.

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>ID</u>	Name	(MCL mg/l)	<u>Number</u>	Result (mg/l)	Method	Date	<u>(mg/l)</u>	ID
1005	ARSENIC	(.05)	131660	0.001	SM 3113B	06/08/96	0.001	82282
1010	BARIUM	(2)	131660	0.043	EPA 200.7	06/10/96	0.001	82282
1015	CADMIUM	(.005)	131660	0.0001	SM 3113B	06/01/96	0.0001	82282
1020	CHROMIUM	(0.1)	131660	0.037	EPA 200.7	06/10/96	0.005	82282
1024	CYANIDE	(0.2)	131660	0.004 U	SM 4500CNE	06/04/96	0.004	82282
1025	Fluoride	(4)	131660	0.82	SM 4500FC	06/14/96	0.02	82282
1030	LEAD	(0.015)	131660	0.002	SM 3113B	06/12/96	0.001	82282
1035	MERCURY	(0.002)	131660	0.0001 K	EPA 245.1	06/10/96	0.00005	82282
1036	NICKEL	(0.1)	131660	0.030 U	EPA 200.7	06/10/96	0.030	82282
1040	NITRATE	(10)	131660	0.014	EPA 353.2	06/06/96	0.004	82282
1041	NITRITE	(1)	131660	0.004 K	EPA 353.2	05/29/96	0.003	82282
1045	SELENIUM	(0.05)	131660	0.005 K	SM 3113B	06/08/96	0.001	82282
1052	SODIUM	(160)	131660	88.3	EPA 200.7	06/10/96	0.05	82282
1074	ANTIMONY	(0.006)	131660	0.003 U	SM 3113B	06/12/96	0.003	82282
1075	BERYLLIUM	(0.004)	131660	0.003 U	EPA 200.7	06/10/96	0.003	82282
1085	THALLIUM	(0.002)	131660	0.002 U	EPA 200.9	06/12/96	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	eter		Sample	Analysis*	Analysis	Analysis	MDL	Lab
ID	<u>Name</u>	(MCL mg/l)	Number	Result (mg/l)	Method	Date	<u>(mg/l)</u>	ID
1002	ALUMINUM	(0.2)	131660	9.11	EPA 200.7	06/10/96	0.001	82282
1017	CHLORIDE	(250)	131660	82.1	EPA 325.2	05/30/96	0.3	82282
1022	COPPER	(1)	131660	0.02 K	EPA 200.7	06/10/96	0.01	82282
1020	FLUORIDE	(2.0)	131660	0.82	SM 4500FC	06/14/96	0.02	82282
1028	IRON	(0.3)	131660	7.36	EPA 200.7	06/10/96	0.005	82282
1032	MANGANESE	(0.05)	131660	0.096	EPA 200.7	06/10/96	0.005	82282
1050	SILVER	(0.1)	131660	0.0001 U	SM 3113B	06/04/96	0.0001	82282
1055	SULFATE	(250)	131660	46.7	EPA 375.4	06/11/96	1	82282
1095	ZINC	(5)	131660	0.076	EPA 200.7	06/10/96	0.004	82282
<u>1905</u>	COLOR	(15 color units)	131660	200	SM 2120B	05/29/96	5	82282
1920	ODOR (3 th	reshold odor number)	131660	1	SM 2150B	05/29/96	-1-	82282
1925	РH	(6.5-8.5)	131660	7.2	EPA 150.1	05/29/96		82282
1930		VED SOLIDS (500)	131660	566	SM 2540C	06/03/96	3	82282
2905	FOAMING AGE	NTS (0.5)	131660	0.1 K	SM 5540C	05/29/96	0.025	82135

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

U - Analyte was not detected; indicated concentration is method detection limit.

.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran <u>ID</u> 2950	neter <u>Name</u> TOTAL THMS	<u>(MCL mg/i)</u> (0.10)	62	Analysis <u>Result (mg/l</u> 0.0008 EMICAL ANALYSIS 2-550.310(5) (PWS033)	EPA 502.2	Analysis <u>Date</u> 05/31/96	<u>MDL</u> 0.001	Lab <u>ID</u> 5 84269
Param	ieter		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name</u>	(MCL pCi/l)	Number	Result (pCI/I)	Method	<u>Date</u>	Error	
4000	GROSS ALPHA		131660	16.4 ± 2.0 EF	PA 900.0	06/04/96	1	83170

4012 Photon Emitters NA 4020 Radium-226 131660 2.4 ± 0.2 EPA 903.1 06/06/96 1 83170 4030 Radium-228 NA Brooks/Blanc 1 83170 4101 Man-made beta NA

*(Gross alpha generally only requirement, see 62-550.519, FAC)

NA = Not Analyzed

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b) (PWS028)

Param			Sample	Analysis	Analysis	Analysis	Lab
ID	Name	(MCL µg/I)	Number	Result (µg/l)	Method	Date MDL	<u>ID</u>
2378	1,2,4-trichlorobenzene	(70)	09248-01	0.5 U	EPA 502.2	05/31/96 0.5	84269
2380	Cis-1,2-dichloroethylene	(70)	09248-01	0.2 U	EPA 502.2	05/31/96 0.2	84269
2955	Xylenes (total)	(10,000)	09248-01	3.5	EPA 502.2	05/31/96 0.5	84269
2964	Dichloromethane	(5)	09248-01	0.5 U	EPA 502.2	05/31/96 0.5	84269
2968	O-dichlorobenzene	(600)	09248-01	0.5 U	EPA 502.2	05/31/96 0.5	84269
2969	Para-dichlorobenzene	(75)	09248-01	0.5 U	EPA 502.2	05/31/96 0.5	84269
2978	Vinyl Chloride	(1)	09248-01	0.5 U	EPA 502.2	05/31/96 0.5	84269
2977	1,1-dichloroethylene	(7)	09248-01	0.5 U	EPA 502.2	05/31/96 0.5	84269
2979	Trans-1,2-dichloroethyle	ne (100)	09248-01	0.5 U	EPA 502.2	05/31/96 0.5	84269
2980	1,2-dichloroethane	(3)	09248-01	0.2 U	EPA 502.2	05/31/96 0.2	84269
2981	1,1,1-trichloroethane	(200)	09248-01	0.3 Ŭ	EPA 502.2	05/31/96 0.3	84269
2982	Carbon tetrachloride	(3)	09248-01	0.3 Ŭ	EPA 502.2	05/31/96 0.3	84269 84269
2983	1,2-dichloropropane	(5)	09248-01	0.3 Ŭ	EPA 502.2	05/31/96 0.3	84269
2984	Trichloroethylene	(3)	09248-01	0.2 U	EPA 502.2	05/31/96 0.2	84269
2985	1,1,2-trichloroethane	(5)	09248-01	0.3 U	EPA 502.2	05/31/96 0.3	84269
2987	Tetrachloroethylene	(3)	09248-01	0.2 U	EPA 502.2	05/31/96 0.2	84269
2989	Monochlorobenzene	(100)	09248-01	0.5 U	EPA 502.2	05/31/96 0.5	84269
2990	Benzene	(1)	09248-01	0.5 U	EPA 502.2	05/31/96 0.5	84269
2991	Toluene	(1,000)	09248-01	2.2	EPA 502.2	05/31/96 0.5	84269
2992	Ethylbenzene	(700)	09248-01	0.60	EPA 502.2	05/31/96 0.5	84269 84269
2996	Styrene	(100)	09248-01	0.5 U	EPA 502.2	05/31/96 0.5	84269
						voi 0 11 00 0.0	04209

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

-								
Param			Sample	Analysis	Analysis	Analysis		Lab
<u>1D</u>	<u>Name</u>	(MCL µg/l)	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	<u>Date</u>	<u>MDL</u>	ID
2005	Endrin	(2)	09248-01	0.01 U	EPA 508	06/03/96	0.01	84269
2010	LINDANE	(.2)	09248-01	0.01 U	EPA 508	06/03/96	0.01	84269
2015	METHOXYCHLOR	(40)	09248-01	0.02 U	EPA 508	06/03/96	0.02	84269
2020	TOXAPHENE	(3)	09248-01	0.2 U	EPA 508	06/03/96	0.2	84269
2031	DALAPON	(200)	09248-01	1 U	EPA 515.1	06/04/96	1	84269
2032	DIQUAT	(20)	09248-01	8 K1	EPA 549.1	05/30/96	4	84269
2033	ENDOTHALL	(100)	09248-01	10 U	EPA 548	05/29/96	10	84269
2034	GLYPHOSATE	(700)	09248-01	10 U	EPA 547	06/03/96	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	09248-01	1 U	EPA 506	06/03/96	1	84269
2036	Oxamyl (Vydate)	(200)	09248-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2037	SIMAZINE	(4)	09248-01	0.1 U	EPA 507	06/03/96	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALAT	<u>E (6)</u>	09248-01	14	EPA 506	06/03/96	1	84269
2040	PICLORAM	(500)	09248-01	0.2 U	EPA 515.1	06/04/96	0.2	84269
2041	DINOSEB	(7)	09248-01	0.2 U	EPA 515.1	06/04/96	0.2	84269
2042	HEXACHLOROCYCLOPENTAD	IENE (50)	09248-01	0.1 U	EPA 505	06/03/96	0.1	84269
2046	CARBOFURAN	(40)	09248-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2050	ATRAZINE	(3)	09248-01	0.1 U	EPA 507	06/03/96	0.1	84269
2051	Alachlor	(2)	09248-01	0.3 U	EPA 507	06/03/96	0.3	84269
2063	2,3,7,8-TCDD (DIOXIN)	(.00003)	09248-01		EPA			84269
2065	HEPTACHLOR	(.4)	09248-01	0.01 U	EPA 508	06/03/96	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	09248-01	0.01 U	EPA 508	06/03/96	0.01	84269
2105	2,4-D	(70)	09248-01	0.5 U	EPA 515.1	06/04/96	0.5	84269
?110	2,4,5-TP (SILVEX)	(50)	09248-01	0.05 U	EPA 515.1	06/04/96	0.05	84269
2274	HEXACHLOROBENZENE	(1)	09248-01	0.01 U	EPA 508	06/03/96	0.01	84269
2306	Benzo(a)pyrene	(.2)	09248-01	0.01 U	EPA 550	06/03/96	0.01	84269
2326	PENTACHLOROPHENOL	(1)	09248-01	0.05 U	EPA 515.1	06/04/96	0.05	84269
2383	PCB	(.5)	09248-01	0.05 U	EPA 508	06/03/96	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	09248-01	0.005 U	EPA 504	06/04/96	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	09248-01	0.005 U	EPA 504	06/04/96	0.005	84269
2959	Chlordane	(2)	09248-01	0.05 U	EPA 508	06/03/96	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param	eter		Sample	Analysis	Analysis	Analysis		Lab
<u>1D</u>	<u>Name</u>	(MCL µq/l)	<u>Number</u>	Result (µg/l)	<u>Method</u>	<u>Date</u>	<u>MDL</u>	<u>1D</u>
2021	CARBARYL		09248-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2022	Methomyl		09248-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2043	ALDICARB SULFOXIDE		09248-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2044	ALDICARB SULFONE		09248-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2045	METOLACHLOR		09248-01	0.3 U	EPA 507	06/03/96	0.3	84269
2047	ALDICARB		09248-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2066	3-HYDROXYCARBOFURAN		09248-01	0.5 U	EPA 531.1	05/30/96	0.5	84269
2077	PROPACHLOR		09248-01	0.05 U	EPA 508	06/03/96	0.05	84269
2356	ALDRIN		09248-01	0.01 U	EPA 508	06/03/96	0.01	84269
2364	DIELDRIN		09248-01	0.01 U	EPA 508	06/03/96	0.01	84269
2440	DICAMBA		09248-01	0.05 U	EPA 515.1	06/04/96	0.05	84269
2595	METRIBUZIN		09248-01	0.2 U	EPA 507	06/03/96	0.2	84269

J - Analyte was not detected; indicated concentration is method detection limit.

K - Analyte was less than indicated concentration; indicated concentration is MDL x Sample Dilution Factor. ¹ - Reduced sample volume used for analysis due to interference from sediment.

January 1995

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name (MCL µg/I)</u>	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	<u>Date</u>	<u>MDL</u>	ID
2210	Chloromethane	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2212	DICHLORODIFLUOROMETHANE	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2214	BROMOMETHANE	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2216	CHLOROETHANE	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2218	TRICHLOROFLUOROMETHANE	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2408	DIBROMOMETHANE	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2410	1,1-DICHLOROPROPYLENE	09248-01	0.3 U	EPA 502.2	05/31/96	0.3	84269
2412	1,3-DICHLOROPROPANE	09248-01	0.3 U	EPA 502.2	05/31/96	0.3	84269
2413	1,3-DICHLOROPROPENE	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	09248-01	0.3 U	EPA 502.2	05/31/96	0.3	84269
2416	2,2-DICHLOROPROPANE	09248-01	0.3 U	EPA 502.2	05/31/96	0.3	84269
<u>2941</u>	CHLOROEORM		0.84	EPA 502.2	05/31/96	0.2	84269
2942	BROMOFORM	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2943	BROMODICHLOROMETHANE	09248-01	0.3 Ų	EPA 502.2	05/31/96	0.3	84269
2944	DIBROMOCHLOROMETHANE	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2965	O-CHLOROTOLUENE	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2966	P-CHLOROTOLUENE	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2967	M-DICHLOROBENZENE	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269
2978	1,1-DICHLOROETHANE	09248-01	0.3 U	EPA 502.2	05/31/96	0.3	84269
1986	1,1,1,2-TETRACHLOROETHANE	09248-01	0.3 U	EPA 502.2	05/31/96	0.3	84269
2988	1,1,2,2-TETRACHLOROETHANE	09248-01	0.3 U	EPA 502.2	05/31/96	0.3	84269
2993	BROMOBENZENE	09248-01	0.5 U	EPA 502.2	05/31/96	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param		Sample	Analysis	Analysis	Analysis		Lab
ID	<u>Name</u> (MCL μg/l)	<u>Number</u>	Result (µg/I)	<u>Method</u>	<u>Date</u>	MDL	<u>ID</u>
2262	ISOPHORONE	09248-01	1 U	EPA 609	06/03/96	1	84269
2270	2,4-DINITROTOLUENE	09248-01	1 U	EPA 609	06/03/96	1	84269
2282	DIMETHYLPHTHALATE	09248-01	1 U	EPA 506	06/03/96	1	84269
2284	DIETHYLPHTHALATE	09248-01	1 U	EPA 506	06/03/96	1	84269
2290	DI-N-BUTYLPHTHALATE	09248-01	1 U	EPA 506	06/03/96	1	84269
2294	BUTYL BENZYL PHTHALATE	09248-01	1 U	EPA 506	06/03/96	1	84269
9089	DIOCTYLPHTHALATE	09248-01	1 U	EPA 506	06/03/96	1	84269
9108*	2-CHLOROPHENOL	09248-01	5 U	EPA 604	06/03/96	5	84269
9112*	2-METHYL-4,6-DINITROPHENOL	09248-01	20 U	EPA 604	06/03/96	20	84269
9115*	PHENOL	09248-01	5 U	EPA 604	06/03/96	5	84269
9116*	2,4,6-TRICHLOROPHENOL	09248-01	10 U	EPA 604	06/03/96	10	84269

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

COLIFORM ANALYSIS

Parar <u>ID</u>	meter <u>Name</u>	(MCL µg/I)	Sample <u>Number</u>	Analysis <u>Result (µg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	<u>MDL</u>	Lab <u>ID</u>
		OLIFORMS (MPN) OLIFORMS (MPN)	131660 131660	1,600 M 17		05/28/96 05/28/96	1	82135 82135

M -- Off-scale high. Actual value is known to be greater than value given.

.



Report No. 78731 Date JUN 03 1996 Subject: WATER REC'D 02:10PM BY D. ROBERTS ANALYSIS BEGUN 02:25PM Received: MAY 28 1996

 PAUL BERMAN
 Client # 2643

 PPB ENVIRONMENTAL LAB
 Phone: (352) 377-2349

 6821 SW ARCHER ROAD
 Fax: (352) 395-6639

 GAINESVILLE, FL
 32608

RESULTS OF ANALYSIS

	-			
System	#8			
Sample 1 WELL 14		ID #131660		
TOTAL COLIFORMS FECAL COLIFORMS			>1,600 17	/ 100ml / 100ml
Sample 2 SYSTEM 9	5/27/96 12:45	ID #131661		
FOTAL COLIFORMS FECAL COLIFORMS			>1,400 >1,600	
Sample 3 SYSTEM 2 #/4	5/27/96 13:30	ID #131662		
TOTAL COLIFORMS FECAL COLIFORMS	• •			/ 100ml / 100ml
Sample 4 SYSTEM よう タユ ゅ	- 5/27/96 14:30 Лен # 15 -	3 ID #131663		
TOTAL COLIFORMS FECAL COLIFORMS	(MPN)			/ 100ml / 100ml

Additional Notes & Comments for Sample Report 78731

ALL SAMPLES WERE RECEIVED OUT OF HOLDING TIME FOR COMPLIANCE PURPOSES.

Page #1 Report Continues

System # 8 14 System were # 14 No. 131660

TRIHALOMETHANE ANALYSIS 62-550.310(2)(a)

(PWS027)

Param ID		(MCL	<u>ug/l)</u>	1	Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis Date	MDL	Lab ID
2950	Total	THMs	(0.10)	09248-01	0.0008	EPA 502.2	5/31/96	0.0015	84269
				•					

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b) (PWS028)

Param <u>ID</u>	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL.	Lab ID
2378	1,2,4-Trichlorobenzene (70)	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2380	cis-1,2-Dichloroethene (70)	09248-01	0.2 U	EPA 502.2	5/31/96	0.2	84269
3	Xylenes (Total) (10,000)	09248-01	3.5	EPA 502.2	5/31/96	0.5	84269
<u>2264</u>	Dichloromethane (5)	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
468 دے	o-Dichlorobenzene (600)	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2969	p-Dichlorobenzene (75)	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2976	Vinyl chloride (1)	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2977	1,1-Dichloroethene (7)	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2979	trans-1,2-Dichloroethene (100)	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2980	1,2-Dichloroethane (3)	09248-01	0.2 U	EPA 502.2	5/31/96	0.2	84269
2981	1,1,1-Trichloroethane (200)	09248-01	0.3 U	EPA 502.2	5/31/96	0.3	84269
2982	Carbon tetrachloride (3)	09248-01	0.3 U	EPA 502.2	5/31/96	0.3	84269
2983	1,2-Dichloropropane (5)	09248-01	0.3 U	EPA 502.2	5/31/96	0.3	84269
2984	Trichloroethene (3)	09248-01	0.2 U	EPA 502.2	5/31/96	0.2	84269
2985	1,1,2-Trichloroethane (5)	09248-01	0.3 U	EPA 502.2	5/31/96	0.3	84269
2987	Tetrachloroethene (3)	09248-01	0.2 U	EPA 502.2	5/31/96	0.2	84269
2989	Monochlorobenzene (100)	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2990	Benzene (1)	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2991	Toluene (1,000)	09248-01	2.2	EPA 502.2	5/31/96	0.5	84269
2	Ethylbenzene (700)	09248-01	0.60	EPA 502.2	5/31/96	0.5	84269
£1.96	Styrene (100)	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269

⊢ ⊍ No. 131660

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PW\$029)

Param ID	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	_MDL	Lab ID
2005	Endrin (2)	09248-01	0.01 U	EPA 508	6/3/96	0.01	84269
2010	Lindane (.2)	09248-01	0.01 U	EPA 508	6/3/96	0.01	84269
2015	Methoxychlor (40)	09248-01	0.02 U	EPA 508	6/3/96	0.02	84269
2020	Toxaphene (3)	09248-01	0.2 U	EPA 508	6/3/96	0.2	84269
2031	Dalapon (200)	09248-01	1 U	EPA 515.1	6/4/96	1	84269
2032	Diquat (20)	09248-01	8 K1	EPA 549.1	5/30/96	4	84269
2033	Endothall (100)	09248-01	10 U	EPA 548	5/29/96	10	84269
2034	Glyphosate (700)	09248-01	10 U	EPA 547	6/3/96	10	84269
2035	Di(2-ethylhexyl)adipate (400)	09248-01	1 U	EPA 506	6/3/96	1	84269
2036	Oxamyl (Vydate) (200)	09248-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2037	Simazine (4)	09248-01	0.1 U	EPA 507	6/3/96	0.1	84269
)	Di(2-ethylhexyl)phthalate (6)	09248-01	14	EPA 506	6/3/96	1	84269
10	Picloram (500)	09248-01	0.2 U	EPA 515.1	6/4/96	0.2	84269
2041	Dinoseb (7)	09248-01	0.2 U	EPA 515.1	6/4/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	09248-01	0.1 U	EPA 505	6/3/96	0.1	84269
2046	Carbofuran (40)	09248-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
2050	Atrazine (3)	09248-01	0.1 U	EPA 507	6/3/96	0.1	84269
2051	Alachlor (2)	09248-01	0.3 U	EPA 507	6/3/96	0.3	84269
2065	Heptachlor (.4)	09248-01	0.01 U	EPA 508	6/3/96	0.01	84269
2067	Heptachlor epoxide (.2)	0924801	0.01 U	EPA 508	6/3/96	0.01	84269
2105	2,4-D (70)	09248-01	0.5 U	EPA 515.1	6/4/96	0.5	84269
2110	2,4,5-TP (Silvex) (50)	09248-01	0.05 U	EPA 515.1	6/4/96	0.05	84269
2274	Hexachlorobenzene (1)	09248-01	0.01 U	EPA 508	6/3/96	0.01	84269
2306	Benzo(a)pyrene (.2)	09248-01	0.01 U	EPA 550	6/3/96	0.01	84269
2326	Pentachlorophenol (1)	09248-01	0.05 8	EPA 515.1	6/4/96	0.05	84269
2383	PCBs (.5)	09248-01	0.05 U	EPA 508	6/3/96	0.05	84269
2931	Dibromochloropropane (.2)	09248-01	0.005 U	EPA 504	6/4/96	0.005	84269
2946	Ethylene dibromide (.02)	09248-01	0.005 U	EPA 504	6/4/96	0.005	84269
}	Chlordane (2)	09248-01	0.05 U	EPA 508	6/3/96	0.05	84269
* A	nalyte was not detected; indicat	ted concer	itration is me	thod detec	, ,		

K - Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor. ¹ Reduced sample volume used for analysis due to interference from sediment.

•

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

meter NAME (MCLug/l)	Sample <u>Number</u>	Analysis <u>Result (ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
Carbaryl	09248-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
Methomyl	0924801	0.5 U	EPA 531.1	5/30/96	0.5	84269
Aldicarb sulfoxide	09248-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
Aldicarb sulfone	09248-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
Metolachlor	09248-01	0.3 U	EPA 507	6/3/96	0.3	84269
Aldicarb	09248-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
3-Hydroxycarbofuran	09248-01	0.5 U	EPA 531.1	5/30/96	0.5	84269
Propachlor	09248-01	0.05 U	EPA 508	6/3/96	0.05	84269
Aldrin	09248-01	0.01 U	EPA 508	6/3/96	0.01	84269
Dieldrin	09248-01	0.01 U	EPA 508	6/3/96	0.01	84269
Dicamba	09248-01	0.05 U	EPA 515.1	6/4/96	0.05	84269
Metribuzin	09248-01	0.2 U	EPA 507	6/3/96	0.2	84269
	Carbaryl Methomyl Aldicarb sulfoxide Aldicarb sulfone Metolachlor Aldicarb 3-Hydroxycarbofuran Propachlor Aldrin Dieldrin Dicamba	NAME (MCL ug/l)NumberCarbaryl09248-01Methomyl09248-01Aldicarb sulfoxide09248-01Aldicarb sulfone09248-01Aldicarb sulfone09248-01Metolachlor09248-01Aldicarb09248-01Aldicarb09248-01Aldicarb09248-01Propachlor09248-01Aldrin09248-01Dieldrin09248-01Dieldrin09248-01	NAME (MCL ug/l) Number Result (ug/l) Carbaryl 09248-01 0.5 U Methomyl 09248-01 0.5 U Aldicarb sulfoxide 09248-01 0.5 U Aldicarb sulfoxide 09248-01 0.5 U Aldicarb sulfone 09248-01 0.5 U Aldicarb sulfone 09248-01 0.5 U Aldicarb sulfone 09248-01 0.3 U Aldicarb 09248-01 0.5 U Aldicarb 09248-01 0.5 U Aldicarb 09248-01 0.5 U Aldicarb 09248-01 0.5 U Aldicarb 09248-01 0.5 U Propachlor 09248-01 0.05 U Aldrin 09248-01 0.01 U Dieldrin 09248-01 0.01 U	NAME (MCL ug/l) Number Result (ug/l) Method Carbaryl 09248-01 0.5 U EPA 531.1 Methomyl 09248-01 0.5 U EPA 531.1 Aldicarb sulfoxide 09248-01 0.5 U EPA 531.1 Aldicarb sulfoxide 09248-01 0.5 U EPA 531.1 Aldicarb sulfone 09248-01 0.5 U EPA 531.1 Metolachlor 09248-01 0.5 U EPA 531.1 Metolachlor 09248-01 0.3 U EPA 531.1 Metolachlor 09248-01 0.5 U EPA 531.1 J-Hydroxycarbofuran 09248-01 0.5 U EPA 531.1 Propachlor 09248-01 0.05 U EPA 508 Aldrin 09248-01 0.01 U EPA 508 Dieldrin 09248-01 0.01 U EPA 508 Dieldrin 09248-01 0.05 U EPA 508	NAME (MCL ug/l) Number Result (ug/l) Method Date Carbaryl 09248-01 0.5 U EPA 531.1 5/30/96 Methomyl 09248-01 0.5 U EPA 531.1 5/30/96 Aldicarb sulfoxide 09248-01 0.5 U EPA 531.1 5/30/96 Aldicarb sulfone 09248-01 0.5 U EPA 531.1 5/30/96 Aldicarb sulfone 09248-01 0.5 U EPA 531.1 5/30/96 Aldicarb sulfone 09248-01 0.5 U EPA 531.1 5/30/96 Metolachlor 09248-01 0.3 U EPA 507 6/3/96 Aldicarb 09248-01 0.5 U EPA 531.1 5/30/96 Aldicarb 09248-01 0.5 U EPA 507 6/3/96 Aldicarb 09248-01 0.5 U EPA 531.1 5/30/96 Bropachlor 09248-01 0.05 U EPA 508 6/3/96 Aldrin 09248-01 0.01 U EPA 508 6/3/96 Dieldrin 09248-01 0.01 U EPA 508	NAME (MCL ug/l) Number Result (ug/l) Method Date MDL Carbaryl 09248-01 0.5 U EPA 531.1 5/30/96 0.5 Methomyl 09248-01 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb sulfoxide 09248-01 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb sulfone 09248-01 0.5 U EPA 531.1 5/30/96 0.5 Aldicarb sulfone 09248-01 0.5 U EPA 501.1 5/30/96 0.5 Aldicarb sulfone 09248-01 0.5 U EPA 507 6/3/96 0.3 Aldicarb 09248-01 0.5 U EPA 501.1 5/30/96 0.5 Aldicarb 09248-01 0.5 U EPA 501.1 5/30/96 0.5 3-Hydroxycarbofuran 09248-01 0.5 U EPA 508 6/3/96 0.05 Propachlor 09248-01 0.01 U EPA 508 6/3/96 0.01 Dieldrin 09248-01 0.01 U EPA 508 6/3/96

•

₽ → No. 131660

. .

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

2210 Chloromethane 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2212 Dichlorodifluoromethane 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2214 Bromomethane 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2216 Chloroethane 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2218 Trichlorofluoromethane 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 22151 Methyl-tert-butyl-ether 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2400 Dibromomethane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2410 1,1-Dichloropropene 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2412 1,3-Dichloropropane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2416 2,2-Dichloropropane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 <t< th=""><th>Paran <u>ID</u></th><th>eter NAME (MCL ug/l)</th><th>Sample <u>Number</u></th><th>Analysis <u>Result(ug/l)</u></th><th>Analyt. <u>Method</u></th><th>Analysis Date</th><th>MDL</th><th>Lab ID</th></t<>	Paran <u>ID</u>	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2214Bromomethane09248-010.5UEPA 502.25/1/960.5842692216Chloroethane09248-010.5UEPA 502.25/31/960.5842692218Trichlorofluoromethane09248-010.5UEPA 502.25/31/960.5842692251Methyl-tert-butyl-ether09248-010.5UEPA 502.25/31/960.5842692408Dibromomethane09248-010.5UEPA 502.25/31/960.38426924101,1-Dichloropropene09248-010.3UEPA 502.25/31/960.38426924121,3-Dichloropropane09248-010.3UEPA 502.25/31/960.38426941,2,3-Trichloropropane09248-010.3UEPA 502.25/31/960.38426924162,2-Dichloropropane09248-010.3UEPA 502.25/31/960.38426924162,2-Dichloropropane09248-010.3UEPA 502.25/31/960.3842692941Chloroform09248-010.3UEPA 502.25/31/960.3842692942Bromodichloropropane09248-010.5UEPA 502.25/31/960.3842692941Chloroform09248-010.5UEPA 502.25/31/960.5842692942Bromodichloromethane09248-010.5UEPA 502.25/31/960.5	2210	Chloromethane	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2216Chloroethane09248-010.5UEPA 502.25/31/960.5842692218Trichlorofluoromethane09248-010.5UEPA 502.25/31/960.5842692251Methyl-tert-butyl-ether09248-010.5UEPA 502.25/31/960.5842692408Dibromomethane09248-010.5UEPA 502.25/31/960.38426924101,1-0ichloropropene09248-010.3UEPA 502.25/31/960.38426924121,3-Dichloropropane09248-010.3UEPA 502.25/31/960.3842691,3-Dichloropropane09248-010.3UEPA 502.25/31/960.38426941,2,3-Trichloropropane09248-010.3UEPA 502.25/31/960.38426924162,2-Dichloropropane09248-010.3UEPA 502.25/31/960.3842692941Chloroform09248-010.3UEPA 502.25/31/960.3842692942Bromodichloromethane09248-010.3UEPA 502.25/31/960.3842692943Bromodichloromethane09248-010.5UEPA 502.25/31/960.5842692944Dibromochloromethane09248-010.5 <u< td="">EPA 502.25/31/960.5842692943Bromodichloromethane09248-010.5<u< td="">EPA 502.25/31/960.584269<</u<></u<>	2212	Dichlorodifluoromethane	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2218 Trichlorofluoromethane 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2251 Methyl-tert-butyl-ether 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2408 Dibromomethane 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2410 1,1-Dichloropropene 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2412 1,3-Dichloropropene 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 1,3-Dichloropropene 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2416 2,2-Dichloropropane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2941 Chloroform 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2941 Chloroform 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2942 Bromoform 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269	2214	Bromomethane	09248-01	0.5 V	EPA 502.2	5/31/96	0.5	84269
2251Methyl-tert-butyl-ether09248-010.5UEPA 502.25/31/960.5842692408Dibromomethane09248-010.5UEPA 502.25/31/960.58426924101,1-Dichloropropene09248-010.3UEPA 502.25/31/960.38426924121,3-Dichloropropene09248-010.3UEPA 502.25/31/960.38426924121,3-Dichloropropene09248-010.3UEPA 502.25/31/960.38426941,2,3-Trichloropropene09248-010.3UEPA 502.25/31/960.38426924162,2-Dichloropropane09248-010.3UEPA 502.25/31/960.3842692941Chloroform09248-010.3UEPA 502.25/31/960.3842692941Chloroform09248-010.3UEPA 502.25/31/960.3842692941Chloroform09248-010.3UEPA 502.25/31/960.3842692942Bromoform09248-010.5UEPA 502.25/31/960.5842692943Bromodichloromethane09248-010.5UEPA 502.25/31/960.5842692944Dibromochloromethane09248-010.5UEPA 502.25/31/960.5842692955o-Chlorotoluene09248-010.5UEPA 502.25/31/960.584269 </td <td>2216</td> <td>Chloroethane</td> <td>09248-01</td> <td>0.5 U</td> <td>EPA 502.2</td> <td>5/31/96</td> <td>0.5</td> <td>84269</td>	2216	Chloroethane	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2408Dibromomethane09248-010.5 UEPA 502.25/31/960.58426924101,1-Dichloropropene09248-010.3 UEPA 502.25/31/960.38426924121,3-Dichloropropene09248-010.3 UEPA 502.25/31/960.3842691,3-Dichloropropene09248-010.3 UEPA 502.25/31/960.38426941,2,3-Trichloropropene09248-010.3 UEPA 502.25/31/960.38426924162,2-Dichloropropane09248-010.3 UEPA 502.25/31/960.3842692941Chloroform09248-010.3 UEPA 502.25/31/960.3842692942Bromoform09248-010.5 UEPA 502.25/31/960.3842692943Bromodichloromethane09248-010.3 UEPA 502.25/31/960.3842692944Dibromochloromethane09248-010.3 UEPA 502.25/31/960.3842692945o-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692965o-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692966p-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692967m-Dichlorobenzene09248-010.3 UEPA 502.25/31/960.38426929681,1,1,2-Tetrachloroethane09248-010.3 UEPA 502.25/31/96 </td <td>2218</td> <td>Trichlorofluoromethane</td> <td>09248-01</td> <td>0.5 U</td> <td>EPA 502.2</td> <td>5/31/96</td> <td>0.5</td> <td>84269</td>	2218	Trichlorofluoromethane	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
24101,1-Dichloropropene09248-010.3 UEPA 502.25/31/960.38426924121,3-Dichloropropane09248-010.3 UEPA 502.25/31/960.3842691,3-Dichloropropane09248-010.5 UEPA 502.25/31/960.38426941,2,3-Trichloropropane09248-010.3 UEPA 502.25/31/960.38426924162,2-Dichloropropane09248-010.3 UEPA 502.25/31/960.3842692941Chloroform09248-010.3 UEPA 502.25/31/960.3842692942Bromoform09248-010.5 UEPA 502.25/31/960.3842692943Bromodichloromethane09248-010.5 UEPA 502.25/31/960.3842692944Dibromochloromethane09248-010.5 UEPA 502.25/31/960.3842692945o-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692965p-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692965p-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692965p-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692967m-Dichlorobenzene09248-010.5 UEPA 502.25/31/960.58426929681,1,1,2-Tetrachloroethane09248-010.3 UEPA 502.25/31/96<	2251	Methyl-tert-butyl-ether	09248-01	0.5 V	EPA 502.2	5/31/96	0.5	84269
24121.3-Dichloropropane09248-010.3UEPA 502.25/31/960.3842691.3-Dichloropropane09248-010.5UEPA 502.25/31/960.38426941.2,3-Trichloropropane09248-010.3UEPA 502.25/31/960.38426924162.2-Dichloropropane09248-010.3UEPA 502.25/31/960.3842692941Chloroform09248-010.3UEPA 502.25/31/960.3842692942Bromoform09248-010.5UEPA 502.25/31/960.5842692943Bromodichloromethane09248-010.3UEPA 502.25/31/960.3842692944Dibromochloromethane09248-010.5UEPA 502.25/31/960.3842692945o-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692965p-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692966p-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692967m-Dichlorobenzene09248-010.5UEPA 502.25/31/960.38426929781.1-Dichloroethane09248-010.3UEPA 502.25/31/960.38426929861.1.2.2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.384269<	2408	Dibromomethane	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
1,3-Dichloropropene09248-010.5 UEPA 502.25/31/960.58426941,2,3-Trichloropropane09248-010.3 UEPA 502.25/31/960.38426924162,2-Dichloropropane09248-010.3 UEPA 502.25/31/960.3842692941Chloroform09248-010.84EPA 502.25/31/960.2842692942Bromoform09248-010.5 UEPA 502.25/31/960.5842692943Bromodichloromethane09248-010.3 UEPA 502.25/31/960.3842692944Dibromochloromethane09248-010.5 UEPA 502.25/31/960.5842692956o-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692965p-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692967m-Dichlorobenzene09248-010.5 UEPA 502.25/31/960.5842692967g-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692967g-Chlorotoluene09248-010.5 UEPA 502.25/31/960.3842692961g-Chlorotoluene09248-010.3 UEPA 502.25/31/960.3842692963g-Chlorotoluene09248-010.3 UEPA 502.25/31/960.3842692964g-Chlorotoluene09248-010.3 UEPA 502.25/31/960.3 <td< td=""><td>2410</td><td>1,1-Dichloropropene</td><td>09248-01</td><td>0.3 U</td><td>EPA 502.2</td><td>5/31/96</td><td>0.3</td><td>84269</td></td<>	2410	1,1-Dichloropropene	09248-01	0.3 U	EPA 502.2	5/31/96	0.3	84269
4 1,2,3-Trichloropropane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2416 2,2-Dichloropropane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2941 Chloroform 09248-01 0.3 U EPA 502.2 5/31/96 0.2 84269 2942 Bromoform 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2943 Bromodichloromethane 09248-01 0.5 U EPA 502.2 5/31/96 0.3 84269 2944 Dibromochloromethane 09248-01 0.5 U EPA 502.2 5/31/96 0.3 84269 2945 o-Chlorotoluene 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2965 o-Chlorotoluene 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2965 p-Chlorotoluene 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2967 m-Dichlorobenzene 09248-01 0.5 U EPA 502.2 5/31/96 0.3 84269 <	2412	1,3-Dichloropropane	09248-01	0.3 U	EPA 502.2	5/31/96	0.3	84269
24162,2-Dichloropropane09248-010.3UEPA 502.25/31/960.3842692941Chloroform09248-010.84EPA 502.25/31/960.2842692942Bromoform09248-010.5UEPA 502.25/31/960.5842692943Bromodichloromethane09248-010.3UEPA 502.25/31/960.3842692944Dibromochloromethane09248-010.5UEPA 502.25/31/960.5842692965o-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692965p-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692965p-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692965p-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692967m-Dichlorobenzene09248-010.5UEPA 502.25/31/960.58426929781,1-Dichloroethane09248-010.3UEPA 502.25/31/960.38426929861,1,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.38426929881,1,2,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.38426929881,1,2,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.3		1,3-Dichloropropene	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2941Chloroform09248-010.84EPA 502.25/31/960.2842692942Bromoform09248-010.5UEPA 502.25/31/960.5842692943Bromodichloromethane09248-010.3UEPA 502.25/31/960.3842692944Dibromochloromethane09248-010.5UEPA 502.25/31/960.5842692965o-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692966p-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692966p-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692967m-Dichlorobenzene09248-010.5UEPA 502.25/31/960.58426929781,1-Dichloroethane09248-010.3UEPA 502.25/31/960.38426929861,1,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.38426929881,1,2,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.38426929881,1,2,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.384269	4	1,2,3-Trichloropropane	09248-01	0.3 υ	EPA 502.2	5/31/96	0.3	84269
2942Bromoform09248-010.5UEPA 502.25/31/960.5842692943Bromodichloromethane09248-010.3UEPA 502.25/31/960.3842692944Dibromochloromethane09248-010.5UEPA 502.25/31/960.5842692965o-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692966p-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692967m-Dichlorobenzene09248-010.5UEPA 502.25/31/960.58426929781,1-Dichloroethane09248-010.3UEPA 502.25/31/960.38426929861,1,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.38426929881,1,2,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.384269	2416	2,2-Dichloropropane	09248-01	0.3 U	EPA 502.2	5/31/96	0.3	84269
2943Bromodichloromethane09248-010.3UEPA 502.25/31/960.3842692944Dibromochloromethane09248-010.5UEPA 502.25/31/960.5842692965o-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692966p-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692967m-Dichlorobenzene09248-010.5UEPA 502.25/31/960.58426929781,1-Dichloroethane09248-010.3UEPA 502.25/31/960.38426929861,1,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.38426929881,1,2,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.384269	2941	Chloroform	09248-01	0.84	EPA 502.2	5/31/96	0.2	84269
2944Dibromochloromethane09248-010.5UEPA 502.25/31/960.5842692965o-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692966p-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692967m-Dichlorobenzene09248-010.5UEPA 502.25/31/960.58426929781,1-Dichlorobenzene09248-010.3UEPA 502.25/31/960.38426929861,1,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.38426929881,1,2,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.384269	2942	Bromoform	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2965o-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692966p-Chlorotoluene09248-010.5 UEPA 502.25/31/960.5842692967m-Dichlorobenzene09248-010.5 UEPA 502.25/31/960.58426929781,1-Dichloroethane09248-010.3 UEPA 502.25/31/960.38426929861,1,2-Tetrachloroethane09248-010.3 UEPA 502.25/31/960.38426929881,1,2,2-Tetrachloroethane09248-010.3 UEPA 502.25/31/960.384269	2943	Bromodichloromethane	09248-01	0.3 U	EPA 502.2	5/31/96	0.3	84269
2966p-Chlorotoluene09248-010.5UEPA 502.25/31/960.5842692967m-Dichlorobenzene09248-010.5UEPA 502.25/31/960.58426929781,1-Dichloroethane09248-010.3UEPA 502.25/31/960.38426929861,1,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.38426929881,1,2,2-Tetrachloroethane09248-010.3UEPA 502.25/31/960.384269	2944	Dibromochloromethane	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2967 m-Dichlorobenzene 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269 2978 1,1-Dichloroethane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2986 1,1,2-Tetrachloroethane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2988 1,1,2-Tetrachloroethane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269	2965	o-Chlorotoluene	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2978 1,1-Dichloroethane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2986 1,1,2-Tetrachloroethane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2988 1,1,2.2-Tetrachloroethane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269	2966	p-Chlorotoluene	09248~01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2986 1,1,1,2-Tetrachloroethane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269 2988 1,1,2,2-Tetrachloroethane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269	2967	m-Dichlorobenzene	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269
2988 1,1,2,2-Tetrachloroethane 09248-01 0.3 U EPA 502.2 5/31/96 0.3 84269	2978	1,1-Dichloroethane	09248-01	0.3 U	EPA 502.2	5/31/96	0.3	84269
	2986	1,1,1,2-Tetrachloroethane	09248-01	0.3 U	EPA 502.2	5/31/96	0.3	84269
	2988	1,1,2,2-Tetrachloroethane	09248-01	0.3 U	EPA 502.2	5/31/96	0.3	84269
2993 Bromopenzene 09248-01 0.5 U EPA 502.2 5/31/96 0.5 84269	2993	Bromobenzene	09248-01	0.5 U	EPA 502.2	5/31/96	0.5	84269

⊢ ⊰ No. 131660

1

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWSO36 & O37*)

Param <u>ID</u>	eter <u>NAME (MCL ug/l)</u>	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2262	Isophorone	09248-01	1 U	EPA 609	6/3/96	1	84269
2270	2,4-Dinitrotoluene	09248-01	1 U	EPA 609	6/3/96	1	84269
2282	Dimethylphthalate	09248-01	1 U	EPA 506	6/3/96	1	84269
2284	Diethylphthalate	09248-01	1 U	EPA 506	6/3/96	1	84269
2290	Di-n-butylphthalate	09248-01	1 U	EPA 506	6/3/96	1	84269
2294	Butyl benzyl phthalate	09248-01	1 U	EPA 506	6/3/96	1	84269
9089	Di-n-octylphthalate	09248-01	1 U	EPA 506	6/3/96	1	84269
9108*	2-Chlorophenol	09248-01	5 U	EPA 604	6/3/96	5	84269
9112*	2-Methyl-4,6-dinitrophenol	09248-01	20 U	EPA 604	6/3/96	20	84269
j*	Phenol	09248-01	5 U	EPA 604	6/3/96	5	84269
`6*	2,4,6-Trichlorophenol	09248-01	10 U	EPA 604	6/3/96	10	84269



	3437 s.w. 24th avenue	gainesville, florida 32607	•	352-372-0436 • fax 352-378-6483
Report No. Subject:	78729 Southeast Drilling			Date JUN (). 1996
	MAY 28 1996			0H88/2H8 # 80175/68714
TOM FAR	K.			

PFB ENVÍBONMENTAL 149 6821 SW ARCHER RCAD GAINEEVILLE, FL - 32508

REBULTS OF ANALYSIS	ANALYSIS KETHOD		<u>analyi</u> t	<u>HADER BILDARDORF</u>
Sample 1 WELL 14 08/27/96 11:	304m			
FOAMING AGENTS (SURFACTANTS)		s "Indo Misch	1) m	95729:Ap 30⊈/y4M
Sample 2 SYSTEM 9 05/27/98 05	:45PM			
FOAMING AGENTS (SURFACTANTS)	EPA 425,1	1. 1. OKO - 27 B A SL		05/29/96 10:004*
Semole 3 SYS 2 65/27/96 01:30 F ING AGENTS (SURFACTANTS)	ΡM			
F ING AGENTS (SURFACTANTS)	EPA 425.1	s i terre Mille Mille	$\cdot_{a}^{+} \stackrel{\sim}{=}$	12/14/85 1/00/ -*
S ple 4 SYS 2 15 05/27/96 0	2:308M			
FOAMING AGENTS (SURFACTANTS)	EPA 425.1	4 .100 MBRC		(5/09/9a (14) Mem

Respectfully Submitted for ABC Research

.........

wer novala 27

Victor Kowalski, PhD Director, Guality Control

System 9

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFOR	MATION (to be completed	d by system or lab)	
System Name:		1.D. #:	······································
Address: Type (check one): () Community	/ () Nontransient Nonco		()
SAMPLE INFORMATION (to be c	ompleted by sampler)		
Sample Date (MMDDYY):/	Sample Time:		
Sample Location (be specific):			
Sampler Name and Phone:			
Sampler's Signature:			
Check Type(s): () Distribution () Clearance () Distrib entr	() Thm Max	Res Time () Plant	
LABORATORY CERTIFICATION	NFORMATION (to be com	pleted by lab) – ATTACH HRS A	NALYTE SHEET*
Lab Name:PPB Environmental	Laboratories, Inc.	HRS #: <u>82282</u>	Expiration Date:
Address:6821 SW Archer Roa	ad, Gainesville, FL 32608		Phone #: (352) 377-2349
Subcontracted Lab HRS #: 83170	<u>, 82135, 84269</u> – A1	ITACH HRS ANALYTE SHEET FO	R SUBCONTRACTED LAB, TOO*
ANALYSIS INFORMATION (to be	completed by lab) - SAM	IPLE NUMBER:	System#9 Wen RI
Date Sample(s) Received: <u>5/28/9</u>	6 Group(s) Ar	alyzed & Results attached for com	pliance with 62-550, F.A.C.:
() Nitrate Only	() Nitrite Only	() Asbestos Only	(x) Trihalomethanes
Inorganics– ()All 17 (x)Partial	Volatile Organics (x) All 21 (Pesticíde/PCBs– () All 30 (x) Partial
Group I Unregulateds– ()All 13 (x)Partial	Group II Unregulateds (x) All 23 () Partial	(x) Ali 11 () Partial	
I, Paul Berman		, do HEREBY CERTIFY that all att	
Signature Park	Bern	-	-
Title QA Officer	······································		Date6/14/96
COMPLIANCE INFORMATION (to	be completed by State)		
Sample Collection Satisfactory:	s	Sample Analysis Satisfactory:	
Resample Requested for:			
Person notified to resample:			
DEP/HRS Reviewing Official:			
*All NOS Job #c and their NOS And			at he provided . Epilere to do as

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample. Effective January 1995

.

-

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name</u>	(MCL mg/l)	Number	Result (mg/l)	Method	Date	<u>(mg/l)</u>	<u>1D</u>
1005	ARSENIC	(.05)	131661	0.001 U	SM 3113B	06/08/96	0.001	82282
1010	BARIUM	(2)	131661	0.025	EPA 200.7	06/10/96	0.001	82282
1015	CADMIUM	(.005)	131661	0.0002	SM 3113B	06/01/96	0.0001	82282
1020	CHROMIUM	(0.1)	131661	0.043	EPA 200.7	06/10/96	0.005	82282
1024	CYANIDE	(0.2)	131661	0.004 U	SM 4500CNE	06/04/96	0.004	82282
1025	FLUORIDE	(4)	131661	0.29	SM 4500FC	06/14/96	0.02	82282
1030	LEAD	(0.015)	131661	0.002 K	SM 3113B	06/11/96	0.001	82282
1035	MERCURY	(0.002)	131661	0.0001 K	EPA 245.1	06/10/96	0.00005	82282
1036	NICKEL	(0.1)	131661	0.030 U	EPA 200.7	06/10/96	0.030	82282
1040	NITRATE	(10)	131661	0.200	EPA 353.2	06/06/96	0.004	82282
1041	NITRITE	(1)	131661	0.061	EPA 353.2	05/29/96	0.003	82282
1045	SELENIUM	(0.05)	131661	0.005 K	SM 3113B	06/08/96	0.001	82282
1052	SODIUM	(160)	131661	30.4	EPA 200.7	06/10/96	0.05	82282
1074	ANTIMONY	(0.006)	131661	0.003 U	SM 3113B	06/12/96	0.003	82282
1075	BERYLLIUM	(0.004)	131661	0.003 U	EPA 200.7	06/10/96	0.003	82282
1085	THALLIUM	(0.002)	131661	0.002 U	EPA 200.9	06/12/96	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param <u>ID</u>	eter <u>Name</u>	(MCL mg/l)	Sample <u>Number</u>	Analysis* <u>Result (mg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL <u>(mg/l)</u>	Lab <u>ID</u>
1002	ALUMINUM	(0.2)	131661	3.10	EPA 200.7	06/10/96	0.01	82282
1017	CHLORIDE	(250)	131661	67.6	EPA 325.2	06/01/96	0.3	82282
1022	COPPER	(1)	131661	0.02 K	EPA 200.7	06/10/96	0.01	82282
1020	FLUORIDE	(2.0)	131661	0.29	SM 4500FC	06/14/96	0.02	82282
1028	IRON	(0.3)	131661	1.42	EPA 200.7	06/10/96	0.005	82282
1032	MANGANESE	(0.05)	131661	0.025	EPA 200.7	06/10/96	0.005	82282
1050	SILVER	(0.1)	131661	0.0001 U	SM 3113B	06/04/96	0.0001	82282
1055	SULFATE	(250)	131661	25.7	EPA 375.4	06/11/96	1	82282
1095	ZINC	(5)	131661	0.059	EPA 200.7	06/10/96	0.004	82282
1905	COLOR	(15 color units)	131661	15	SM 2120B	05/28/96	5	82282
1920	ODOR (3 three	eshold odor number)	131661	1U	SM 2150B	05/28/96	1	82282
1925	РH	(6.5-8.5)	131661	8.2	EPA 150.1	05/28/96		82282
1930	TOTAL DISSOLV	/ED SOLIDS (500)	131661	1000	SM 2540C	06/03/96	3	82282
2905	FOAMING AGEN	ITS (0.5)	131661	0.1 K	SM 5540C	05/28/96	0.025	82135

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

-

.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran <u>ID</u> 2950	neter <u>Name</u> TOTAL THMS	(<u>MCL mg/i)</u> (0.10)	Sample <u>Number</u> 09248-02	Analysis <u>Result (n</u> 0.015	Analysis ng/l) Method EPA 502.2	Analysis <u>Date</u> 2 05/31/96	MDL	Lab <u>ID</u> 15 84269
			62	EMICAL ANAL) 2-550.310(5) (PWS033)	(818*			
Param <u>ID</u> 4000 4012	ieter <u>Name</u> GROSS ALPHA PHOTON EMITTI	(MCL pCi/l) Ers	Sample <u>Number</u> 131661 NA	Analysis <u>Result (pCi/i)</u> 2.4 ± 0.5	Analysis <u>Method</u> EPA 900.0	Analysis <u>Date</u> 06/04/96	<u>Error</u> 1	Lab <u>ID</u> 83170
4020 4030 4101	Radium-226 Radium-228 Man-made bet/	Ą	NA NA NA		EPA 903.1 Brooks/Blanc		1 1	83170 83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(B) (PWS028)

Paran	neter		Sample	Analysis	Anatysis	Anabusia	1_6
<u>1D</u>	<u>Name</u>	(MCL µg/I)	Number	Result (µq/l)	Method	Analysis <u>Date</u> <u>MDL</u>	Lab
2378	1,2,4-TRICHLOROBENZENE	(70)	09248-02	0.5 U			<u>ID</u>
2380	CIS-1,2-DICHLOROETHYLEN	E (70)	09248-02		EPA 502.2	05/31/96 0.5	84269
2955	XYLENES (TOTAL)	(10,000)		0.2 U	EPA 502.2	05/31/96 0.2	84269
2964	DICHLOROMETHANE		09248-02	0.5 U	EPA 502.2	05/31/96 0.5	84269
2968	O-DICHLOROBENZENE	(5)	09248-02	0.5 U	EPA 502.2	05/31/96 0.5	84269
2969		(600)	09248-02	0.5 U	EPA 502.2	05/31/96 0.5	84269
2976	PARA-DICHLOROBENZENE	(75)	09248-02	0.5 U	EPA 502.2	05/31/96 0.5	84269
2977	VINYL CHLORIDE	(1)	09248-02	0.5 U	EPA 502.2	05/31/98 0.5	84269
2977	1,1-DICHLOROETHYLENE	(7)	09248-02	0.5 U	EPA 502.2	05/31/96 0.5	84269
2979	TRANS-1,2-DICHLOROETHYL		09248-02	0.5 U	EPA 502.2	05/31/96 0.5	84269
2981	1,2-DICHLOROETHANE	(3)	09248-02	0.2 U	EPA 502.2	05/31/96 0.2	84269
2981	1,1,1-TRICHLOROETHANE	(200)	09248-02	0.3 U	EPA 502.2	05/31/96 0.3	84269
2982	CARBON TETRACHLORIDE	(3)	09248-02	0.3 U	EPA 502,2	05/31/96 0.3	84269
	1,2-DICHLOROPROPANE	(5)	09248-02	0.3 U	EPA 502.2	05/31/96 0.3	84269
2984	TRICHLOROETHYLENE	(3)	09248-02	0.2 U	EPA 502.2	05/31/96 0.2	84269
2985	1,1.2-TRICHLOROETHANE	(5)	09248-02	0.3 U	EPA 502.2	05/31/98 0.3	84269
2987	TETRACHLOROETHYLENE	(3)	09248-02	0.2 U	EPA 502.2	05/31/96 0.2	84269
2989	MONOCHLOROBENZENE	(100)	09248-02	0.5 U	EPA 502.2	05/31/96 0.5	84269
2990	BENZENE	(1)	09248-02	0.5 U	EPA 502.2	05/31/96 0.5	84269
2991	TOLUENE	(1,000)	09248-02	0.5 U	EPA 502.2	05/31/96 0.5	84269
2992	ETHYLBENZENE	(700)	09248-02	0.5 U	EPA 502.2	05/31/96 0.5	84269
2996	STYRENE	(100)	09248-02	0.5 U	EPA 502.2	05/31/96 0.5	84269
		•				00/0 //00 0.0	0-7203

,

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

_				,				
Param	eter		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name</u>	<u>(MCL µg/l)</u>	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	<u>Date</u>	<u>MDL</u>	<u>ID</u>
2005	Endrin	(2)	09248-02	0.01 U	EPA 508	06/03/96	0.01	84269
2010	LINDANE	(.2)	09248-02	0.01 U	EPA 508	06/03/96	0.01	84269
2015	METHOXYCHLOR	(40)	09248-02	0.02 U	EPA 508	06/03/96	0.02	84269
2020	Toxaphene	(3)	09248-02	0.2 U	EPA 508	06/03/96	0.2	84269
2031	DALAPON	(200)	09248-02	1 U	EPA 515.1	06/04/96	1	84269
2032	DIQUAT	(20)	09248-02	4 U	EPA 549.1	05/30/96	4	84269
2033	ENDOTHALL	(100)	09248-02	10 U	EPA 548	05/29/96	10	84269
2034	GLYPHOSATE	(700)	09248-02	10 U	EPA 547	06/03/96	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	09248-02	1 U	EPA 506	06/03/96	1	84269
2036	OXAMYL (VYDATE)	(200)	09248-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2037	SIMAZINE	(4)	09248-02	0.1 U	EPA 507	06/03/96	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALAT		09248-02	3.6	EPA 506	06/03/96	1	84269
2040	PICLORAM	(500)	09248-02	0.2 U	EPA 515.1	06/04/96	0.2	84269
2041	DINOSEB	(7)	09248-02	0.2 U	EPA 515.1	06/04/96	0.2	84269
2042	HEXACHLOROCYCLOPENTADI	ene (50)	09248-02	0.1 U	EPA 505	06/03/96	0.1	84269
2046	CARBOFURAN	(40)	09248-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2050	ATRAZINE	(3)	09248-02	0.1 U	EPA 507	06/03/96	0.1	84269
2051	Alachlor	(2)	09248-02	0.3 U	EPA 507	06/03/96	0.3	84269
2063	2,3,7,8-TCDD (DIOXIN)	(.00003)	09248-02		EPA			84269
2065	HEPTACHLOR	(.4)	09248-02	0.01 U	EPA 508	06/03/96	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	09248-02	0.01 U	EPA 508	06/03/96	0.01	84269
2105	2,4-D	(70)	09248-02	0.5 U	EPA 515.1	06/04/96	0.5	84269
?110	2,4,5-TP (SILVEX)	(50)	09248-02	0.05 U	EPA 515.1	06/04/96	0.05	84269
2274	Hexachlorobenzene	(1)	09248-02	0.01 U	EPA 508	06/03/96	0.01	84269
2306	Benzo(a)pyrene	(.2)	09248-02	0.01 U	EPA 550	06/03/96	0.01	84269
2326	PENTACHLOROPHENOL	(1)	09248-02	0.05 U	EPA 515.1	06/04/96	0.05	84269
2383	PCB	(.5)	09248-02	0.05 U	EPA 508	06/03/96	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	09248-02	0.005 U	EPA 504	06/04/96	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	09248-02	0.005 U	EPA 504	06/04/96	0.005	84269
2959	CHLORDANE	(2)	09248-02	0.05 U	EPA 508	06/03/96	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param	eter		Sample	Analysis	Analysis	Analysis		Lab
<u>1D</u>	<u>Name</u>	<u>(MCL µg/l)</u>	<u>Number</u>	Result (µg/I)	Method	Date	<u>MDL</u>	ID
2021	CARBARYL		09248-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2022	METHOMYL		09248-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2043	ALDICARB SULFOXIDE		09248-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2044	ALDICARB SULFONE		09248-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2045	METOLACHLOR		09248-02	0.3 U	EPA 507	06/03/96	0.3	84269
2047	Aldicarb		09248-02	0.5 ป	EPA 531.1	05/30/96	0.5	84269
2066	3-HYDROXYCARBOFURAN		09248-02	0.5 U	EPA 531.1	05/30/96	0.5	84269
2077	PROPACHLOR		09248-02	0.05 U	EPA 508	06/03/96	0.05	84269
2356	Aldrin		09248-02	0.01 U	EPA 508	06/03/96	0.01	84269
2364	DIELDRIN		09248-02	0.01 U	EPA 508	06/03/96	0.01	84269
2440	DICAMBA		09248-02	0.05 U	EPA 515.1	06/04/96	0.05	84269
2595	METRIBUZIN		09248-02	0.2 U	EPA 507	06/03/96	0.2	84269

J - Analyte was not detected; indicated concentration is method detection limit.

X - Analyte was less than indicated concentration; indicated concentration is MDL x Sample Dilution Factor. - Reduced sample volume used for analysis due to interference from sediment.

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name</u>	(MCL mg/l)	<u>Number</u>	Result (mg/l)	Method	Date	<u>(mg/l)</u>	ID
1005	ARSENIC	(.05)	131661	0.001 U	SM 3113B	06/08/96	0.001	82282
1010	BARIUM	(2)	131661	0.025	EPA 200.7	06/10/96	0.001	82282
1015	CADMIUM	(.005)	131661	0.0002	SM 3113B	06/01/96	0.0001	82282
1020	CHROMIUM	(0.1)	131661	0.043	EPA 200.7	06/10/96	0.005	82282
1024	CYANIDE	(0.2)	131661	0.004 U	SM 4500CNE	06/04/96	0.004	82282
1025	Fluoride	(4)	131661	0.29	SM 4500FC	06/14/96	0.02	82282
1030	LEAD	(0.015)	131661	0.002 K	SM 3113B	06/11/96	0.001	82282
1035	MERCURY	(0.002)	131661	0.0001 K	EPA 245.1	06/10/96	0.00005	82282
1036	NICKEL	(0.1)	131661	0.030 U	EPA 200.7	06/10/96	0.030	82282
1040	NITRATE	(10)	131661	0.200	EPA 353.2	06/06/96	0.004	82282
1041	NITRITE	(1)	131661	0.061	EPA 353.2	05/29/96	0.003	82282
1045	SELENIUM	(0.05)	131661	0.005 K	SM 3113B	06/08/96	0.001	82282
1052	SODIUM	(160)	131661	30.4	EPA 200.7	06/10/96	0.05	82282
1074	ANTIMONY	(0.006)	131661	0.003 U	SM 3113B	06/12/96	0.003	82282
1075	BERYLLIUM	(0.004)	131661	0.003 U	EPA 200.7	06/10/96	0.003	82282
1085	THALLIUM	(0.002)	131661	0.002 U	EPA 200.9	06/12/96	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	eter		Sample	Analysis*	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name</u>	(MCL mg/l)	<u>Number</u>	Result (mg/l)	Method	Date	<u>(mg/l)</u>	<u>ID</u>
1002	ALUMINUM	(0.2)	131661	3.10	EPA 200.7	06/10/96	0.01	82282
1017	CHLORIDE	(250)	131661	67.6	EPA 325.2	06/01/96	0.3	82282
1022	COPPER	(1)	131661	0.02 K	EPA 200.7	06/10/96	0.01	82282
1020	FLUORIDE	(2.0)	131661	0.29	SM 4500FC	06/14/96	0.02	82282
1028	IRON	(0.3)	131661	1.42	EPA 200.7	06/10/96	0.005	82282
1032	MANGANESE	(0.05)	131661	0.025	EPA 200.7	06/10/96	0.005	82282
1050	SILVER	(0.1)	131661	0.0001 U	SM 3113B	06/04/96	0.0001	82282
1055	SULFATE	(250)	131661	25.7	EPA 375.4	06/11/96	1	82282
1095	ZINC	(5)	131661	0.059	EPA 200.7	06/10/96	0.004	82282
1905	COLOR ((15 color units)	131661	15	SM 2120B	05/28/96	5	82282
1920	ODOR (3 three	shold odor number)	131661	1 U	SM 2150B	05/28/96	1	82282
1925	PН	(6.58.5)	131661	8.2	EPA 150.1	05/28/96		82282
1930	TOTAL DISSOLV	ED SOLIDS (500)	131661	1000	SM 2540C	06/03/96	3	82282
2905	FOAMING AGEN	TS (0.5)	131661	0.1 K	SM 5540C	05/28/96	0.025	82135

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran		•	Analysis	Anałysis	Analysis		Lab
<u>1D</u>	<u>Name (MCL µg/I)</u>	Number	<u>Result (µg/l)</u>	Method	<u>Date</u>	<u>MDL</u>	<u>1D</u>
2210	CHLOROMETHANE	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269
2212	DICHLORODIFLUOROMETHANE	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269
2214	BROMOMETHANE	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269
2216	CHLOROETHANE	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269
2218	TRICHLOROFLUOROMETHANE	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269
2408	DIBROMOMETHANE	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269
2410	1,1-DICHLOROPROPYLENE	09248-02	0.3 U	EPA 502.2	05/31/96	0.3	84269
2412	1,3-DICHLOROPROPANE	09248-02	0.3 U	EPA 502.2	05/31/96	0.3	84269
2413	1,3-DICHLOROPROPENE	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	09248-02	0.3 U	EPA 502.2	05/31/96	0.3	84269
2416	2,2-DICHLOROPROPANE	09248-02	0.3 U	EPA 502.2	05/31/96	0.3	84269
2941	CHLOROFORM	09248-02	12	EPA 502.2	05/31/96	0.2	84269
2942	BROMOFORM	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269
<u>2943</u>	BROMODICHLOROMETHANE	09248-02	3.2	EPA 502.2	05/31/96	0.3	84269
2 <u>944</u>	DIBROMOCHLOROMETHANE	09248-02	1.3	EPA 502.2	05/31/96	0.5	84269
2965	O-CHLOROTOLUENE	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269
2966	P-CHLOROTOLUENE	09248-02	0.5 Ų	EPA 502.2	05/31/96	0.5	84269
2967	M-DICHLOROBENZENE	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269
2978	1,1-DICHLOROETHANE	09248-02	0.3 U	EPA 502.2	05/31/96	0.3	84269
2986	1,1,1,2-TETRACHLOROETHANE	09248-02	0.3 U	EPA 502.2	05/31/96	0.3	84269
2988	1,1,2,2-TETRACHLOROETHANE	09248-02	0.3 U	EPA 502.2	05/31/96	0.3	84269
2993	BROMOBENZENE	09248-02	0.5 U	EPA 502.2	05/31/96	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param <u>ID</u>	eter <u>Name (MCL μg/l)</u>	Sample <u>Number</u>	Analysis <u>Result (<i>µ</i>g/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	<u>MDL</u>	Lab <u>ID</u>
	ISOPHORONE 2,4-DINITROTOLUENE DIMETHYLPHTHALATE DIETHYLPHTHALATE DI-N-BUTYLPHTHALATE BUTYL BENZYL PHTHALATE DIOCTYLPHTHALATE 2-CHLOROPHENOL	09248-02 09248-02 09248-02 09248-02 09248-02 09248-02 09248-02 09248-02 09248-02	1 U 1 U 1 U 1 U 1 U 1 U 1 U 1 U 1 U 5 U	EPA 609 EPA 609 EPA 506 EPA 506 EPA 506 EPA 506 EPA 506 EPA 506 EPA 506	06/03/96 06/03/96 06/03/96 06/03/96 06/03/96 06/03/96 06/03/96 06/03/96	1 1 1 1 1 1 1 5	. <u>.</u> 84269 84269 84269 84269 84269 84269 84269 84269 84269
9112* 9115* 9116*	2-METHYL-4,6-DINITROPHENOL PHENOL 2,4,6-TRICHLOROPHENOL	09248-02 09248-02 09248-02	20 U 5 U 10 U	EPA 604 EPA 604 EPA 604	06/03/96 06/03/96 06/03/96	20 5 10	84269 84269 84269 84269

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

COLIFORM ANALYSIS

Parai <u>ID</u>	meter <u>Name</u>	(MCL µg/l)	Sample <u>Number</u>	Analysis <u>Result (µg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
		OLIFORMS (MPN) OLIFORMS (MPN)	131661 131661	1,600 M 1,600 M		05/28/96 05/28/96	1 1	82135 82135

M -- Off-scale high. Actual value is known to be greater than value given.



Report No. 78731 Date JUN 03 1996 Subject: WATER REC'D 02:10PM BY D. ROBERTS ANALYSIS BEGUN 02:25PM Received: MAY 28 1996

 PAUL BERMAN
 Client # 2643

 PPB ENVIRONMENTAL LAB
 Phone: (352) 377-2349

 6821 SW ARCHER ROAD
 Fax: (352) 395-6639

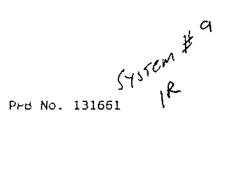
 GAINESVILLE, FL
 32608

RESULTS OF ANALYSIS

-						
n #8°						
	11:30	ID	#131660			
(MPN) (MPN)						100ml 100ml
5/27/96	12:45	ID	#131661			
(MEN) (MEN)				-		
5/27/96	13:30	ID	#13 166 2			
(MPN) (MPN)						100ml. 100ml.
	5 14:30) II) #131663			
(MPN) (MPN)						100ml 100ml
	(MPN) (MPN) 5/27/96 (MPN) (MPN) 5/27/96 (MPN) (MPN) 5/27/96 (MPN)	5/27/96 11:30 (MPN) (MPN) 5/27/96 12:45 (MPN) (MPN) 5/27/96 13:30 (MPN) (MPN) 5/27/96 14:30 00:1 # 15 (MPN)	5/27/96 11:30 ID (MPN) (MPN) 5/27/96 12:45 ID (MPN) (MPN) 5/27/96 13:30 ID (MPN) (MPN) 5/27/96 14:30 II WEN)	5/27/96 11:30 ID #131660 (MPN) (MPN) 5/27/96 12:45 ID #131661 (MPN) (MPN) 5/27/96 13:30 ID #131662 (MPN) (MPN) 5- 5/27/96 14:30 ID #131663 OBLL #15 (MPN)	5/27/96 11:30 ID #131668 (MPN) >1,600 (MPN) 17 5/27/96 12:45 ID #131661 (MPN) >1,600 (MPN) >1,600 5/27/96 13:30 ID #131662 (MPN) 21 ** 5/27/96 14:30 ID #131663 \$\$\mathcal{WPN}\$ 21 ** 5/27/96 14:30 ID #131663 \$\$\mathcal{WPN}\$ 21 ** 5/27/96 14:30 ID #131663	5/27/96 11:30 ID #131668 (MPN) >1,600 / (MPN) 17 / 5/27/96 12:45 ID #131661 (MPN) >1,600 / (MPN) >1,600 / (MPN) >1,600 / (MPN) >1,600 / 5/27/96 13:30 ID #131662 (MPN) 21 / (MPN) <2 /

ALL SAMPLES WERE RECEIVED OUT OF HOLDING TIME FOR COMPLIANCE FURPOSES.

Page #1 Report Continues



.

TRIHALOMETHANE ANALYSIS 62-550.310(2)(a)

(PWS027)

Param <u>ID</u>	eter NAME (MCL ug/l)	•	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2950	Total THMs (0.10)	09248-02	0.015	EPA 502.2	5/31/96	0.0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(b) (PWSO28)

Param <u>ID</u>	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2378	1,2,4-Trichlorobenzene (70)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2380	cis-1,2-Dichloroethene (70)	09248-02	0.2 U	EPA 502.2	5/31/96	0.2	84269
3	Xylenes (Total) (10,000)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2964	Dichloromethane (5)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
8ز	o-Dichlorobenzene (600)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2969	p-Dichlorobenzene (75)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2976	Vinyl chloride (1)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2977	1,1-Dichloroethene (7)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2979	trans-1,2-Dichloroethene (100)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2980	1,2-Dichloroethane (3)	09248-02	0.2 U	EPA 502.2	5/31/96	0.2	84269
2981	1,1,1-Trichloroethane (200)	09248-02	0.3 U	EPA 502.2	5/31/96	0.3	84269
2982	Carbon tetrachloride (3)	09248-02	0.3 U	EPA 502.2	5/31/96	0.3	84269
2983	1,2-Dichloropropane (5)	09248-02	0.3 U	EPA 502.2	5/31/96	0.3	84269
2984	Trichloroethene (3)	09248-02	0.2 U	EPA 502.2	5/31/96	0.2	84269
2985	1,1,2-Trichloroethane (5)	09248-02	0.3 U	EPA 502.2	5/31/96	0.3	84269
2987	Tetrachloroethene (3)	09248-02	0.2 U	EPA 502.2	5/31/96	0.2	84269
2989	Monachlorobenzene (100)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2990	Benzene (1)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2991	Toluene (1,000)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
;	Ethylbenzene (700)	0924802	0.5 U	EPA 502.2	5/31/96	0.5	84269
2996	Styrene (100)	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269

ווי No. 131661

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

Paran <u>ID</u>	meter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis <u>Date</u>	_MDL	Lab ID
2005	Endrin (2)	09248-02	0.01 U	EPA 508	6/3/96	0.01	84269
2010	Lindane (.2)	09248-02	0.01 U	EPA 508	6/3/96	0.01	84269
2015	Methoxychlor (40)	09248-02	0.02 U	EPA 508	6/3/96	0.02	84269
2020	Toxaphene (3)	09248-02	0.2 U	EPA 508	6/3/96	0.2	84269
2031	Dalapon (200)	09248-02	1 U	EPA 515.1	6/4/96	1	84269
2032	Diquat (20)	09248-02	4 U	EPA 549.1	5/30/96	4	84269
2033	Endothall (100)	09248-02	10 U	EPA 548	5/29/96	10	84269
2034	Glyphosate (700)	09248-02	10 U	EPA 547	6/3/96	10	84269
2035	Di(2-ethylhexyl)adipate (400)	09248-02	1 U	EPA 506	6/3/96	1	84269
2036	Oxamyl (Vydate) (200)	09248-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
2037	Simazine (4)	0924802	0.1 U	EPA 507	6/3/96	0.1	84269
)	Di(2-ethylhexyl)phthalate (6)	09248-02	3.6	EPA 506	6/3/96	1	84269
2040	Picloram (500)	09248- 02	0.2 U	EPA 515.1	6/4/96	0.2	84269
cv41	Dinoseb (7)	09248-02	0.2 U	EPA 515.1	6/4/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	09248-02	0.1 U	EPA 505	6/3/96	0.1	84269
2046	Carbofuran (40)	09248-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
2050	Atrazine (3)	0924802	0.1 U	EPA 507	6/3/96	0.1	84269
2051	Alachlor (2)	09248-02	0.3 U	EPA 507	6/3/96	0.3	84269
2065	Heptachlor (.4)	09248-02	0.01 U	EPA 508	6/3/96	0.01	84269
2067	Heptachlor epoxide (.2)	09248-02	0.01 U	EPA 508	6/3/96	0.01	84269
2105	2,4-D (70)	09248~02	0.5 U	EPA 515.1	6/4/96	0.5	84269
2110	2,4,5-TP (Silvex) (50)	09248-02	0.05 U	EPA 515.1	6/4/96	0.05	84269
2274	Hexachlorobenzene (1)	09248-02	0.01 U	EPA 508	6/3/96	0.01	84269
2306	Benzo(a)pyrene (.2)	09248-02	0.01 U	EPA 550	6/3/96	0.01	84269
2326	Pentachlorophenol (1)	09248-02	0.05 U	EPA 515.1	6/4/96	0.05	84269
2383	PCBs (.5)	09248-02	0.05 U	EPA 508	6/3/96	0.05	84269
2931	Dibromochloropropane (.2)	09248-02	0.005 U	EPA 504	6/4/96	0.005	84269
2946	Ethylene dibromide (.02)	09248-02	0.005 U	EPA 504	6/4/96	0.005	84269
÷	Chlordane (2)	09248-02	0.05 U	EPA 508	6/3/96	0.05	84269

н.ы №. 131661

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Paran <u>ID</u>	meter NAME (MCL ug/])	Sample <u>Number</u>	Analysis <u>Result (ug/l)</u>	Analyt. Method	Analysis Date	MDL	L a b ID
2021	Carbaryl	09248-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
2022	Methomy1	09248-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
2043	Aldicarb sulfoxide	09248-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
2044	Aldicarb sulfone	09248-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
2045	Metolachlor	09248-02	0.3 U	EPA 507	6/3/96	0.3	84269
2047	Aldicarb	09248-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
2066	3-Hydroxycarbofuran	09248-02	0.5 U	EPA 531.1	5/30/96	0.5	84269
2077	Propachlor	09248-02	0.05 U	EPA 508	6/3/96	0.05	84269
2356	Aldrin	09248-02	0.01 U	EPA 508	6/3/96	0.01	84269
1	Dieldrin	09248-02	0.01 U	EPA 508	6/3/96	0.01	84269
2440	Dicamba	09248-02	0.05 U	EPA 515.1	6/4/96	0.05	84269
≥ວ95	Metribuzin	09248-02	0.2 U	EPA 507	6/3/96	0.2	84269

F. J No. 131661

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran <u>ID</u>	meter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2210	Chloromethane	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2212	Dichlorodifluoromethane	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2214	Bromomethane	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2216	Chloroethane	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2218	Trichlorofluoromethane	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2251	Methyl-tert-butyl-ether	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2408	Dibromomethane	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2410	1,1-Dichloropropene	09248-02	0.3 U	EPA 502.2	5/31/96	0.3	84269
2412	1,3-Dichloropropane	09248-02	0.3 U	EPA 502.2	5/31/96	0.3	84269
ř.	1,3-Dichloropropene	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2/14	1,2,3-Trichloropropane	09248-02	0.3 U	EPA 502.2	5/31/96	0.3	84269
2-16	2,2-Dichloropropane	09248-02	0.3 U	EPA 502.2	5/31/96	0.3	84269
2941	Chloroform	09248~02	12	EPA 502.2	5/31/96	0.2	84269
2942	Bromoform	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2943	Bromodichloromethane	09248-02	3.2	EPA 502.2	5/31/96	0.3	84269
2944	Dibromochloromethane	09248-02	1.3	EPA 502.2	5/31/96	0.5	84269
2965	o-Chlorotoluene	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2966	p-Chlorotoluene	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2967	m-Dichlorobenzene	09248-02	0.5 U	EPA 502.2	5/31/96	0.5	84269
2978	1,1-Dichloroethane	09248-02	0.3 U	EPA 502.2	5/31/96	0.3	84269
2986	1,1,1,2-Tetrachloroethane	09248-02	0.3 U	EPA 502.2	5/31/96	0.3	84269
2988	1,1,2,2-Tetrachloroethane	09248-02	0.3 U	EPA 502.2	5/31/96	0.3	84269
2993	Bromobenzene	09248~02	0.5 U	EPA 502.2	5/31/96	0.5	84269

г. з No. 131661

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Parameter ID NAME (MCL ug/1)	Sample <u>Number</u>	Analysis <u>Result(ug/l)</u>	Analyt. Method	Analysis Date	MDL	Lab ID
2262 Isophorone	09248-02	1 U	EPA 609	6/3/96	1	84269
2270 2,4-Dinitrotoluene	09248-02	1 U	EPA 609	6/3/96	1	84269
2282 Dimethylphthalate	09248-02	1 U	EPA 506	6/3/96	1	84269
2284 Diethylphthalate	09248-02	1 U	EPA 506	6/3/96	1	84269
2290 Di-n-butylphthalate	09248-02	1 U	EPA 506	6/3/96	1	84269
2294 Butyl benzyl phthalate	09248-02	1 U	EPA 506	6/3/96	1	84269
9089 Di-n-octylphthalate	09248-02	1 U	EPA 506	6/3/96	1	84269
9108* 2-Chlorophenol	09248-02	5 U	EPA 604	6/3/96	5	84269
9112* 2-Methyl-4,6-dinitrophenol	09248-02	20 U	EPA 604	6/3/96	20	84269
3* Phenol	09248-02	5 U	EPA 604	6/3/96	5	84269
<pre>^'16* 2,4,6-Trichlorophenol</pre>	09248-02	10 U	EPA 604	6/3/96	10	84269



3437 s.w. 24th avenue •	gainesville, florida 32607	•	352-372-0436	• fa:	x 352-378-6483
78728 SOUTHEAST DRILLING MAY 28 1996					, # 9213246640000 7 00 1460

TOM PARK PF8 ENVIRONMENTAL LAS 6821 SW ARCHER RCAD GAINESVILLE, FL 32608

	YSIS METHOD	<u>855017</u>	ANALVST	<u>AMALYE S BANKA DIYE</u>
- 5Y3 # 8				
Sample 1 WELL 14 05/27/96 11:30AM				
	425.1	100 MB/E	1. 1900 1900	05/29/96 10://AM
Sample 2 SYSTEM 9 05/27/96 05:45PM				
Sample 2 SYSTEM 9 05/27/96 05:45PM FOAMING AGENTS (SURFACTANTS) EFA	425.1	100 mszt.	.đ) ²⁴	03729796 10130AM
S' <u>1e 3 Sys 265/27/96 01:30Pm</u> F .ING AGENTS (SURFACTANTS) FRA				
	425.1 < "1	100 MB /L	24	05/29/98 10:0047
5 ple 4 SYS 2 15 05/27/96 02:30Pm				
FUAMING AGENTS (SURFACTANTS) EPA	•	100 M675	(P	0572 9796 - 1046447

Respectfully Submitted for ABC Research

----,

unal 11

Victor Kowalski, PhD Director, Quality Control

Appendix F



MONTGOMERY WATSON

Final Water Quality Analyses

System 2

05/19/1997	14	:36	:	3956	639						PPB	B EN	V. I	LAB.							Pi	4GE	ĺ	82	
ρρ	k	<u>C</u>)																		 				
ENV	IR	Ö	N	M	E I	ΝT	A	L.	 L.	<u>A</u>	B	0	R	Α	Ţ	0	R	I	E	S	 	<u> </u>	1	Ċ.	 <u> </u>

May 19, 1997

Mr. Bart Ziegler Southeast Drilling P.O. Box 271723 Tampa, FL 33688

Dear Mr. Ziegler:

Attached are the data reports for the following samples:

PPB Sample Number	Southern Analytical Number	PBS&J* Number	Site Name	Your Sample ID	Sample Date	Sample Time
145420	10774-01	9704327-01	Palm Beach Well Field	Sys 2 Well 14	04/22/97	1200
145421	10774-02	9704327-02	Palm Beach Well Field	Sys 2 Well 15	04/22/97	1200

*PBS&J = Post Buckley Schuh and Jernigan

If you have any questions concerning these reports, please contact me.

Sincerely,

Bernum

Paul Berman Project Manager

PLB:cms

Enclosures

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFO	RMATION (to be completed	by system or leb)	
System Name:	····		· · · · · · · · · · · · · · · · · · ·
Address:	ty () Nontransient Noncor	Phone #:	()
SAMPLE INFORMATION (to be	completed by sampler)		
Sample Date (MMDDYY):/	Sample Time:		
Sample Location (be specific):	····		
Sampler Name and Phone:			.()
Sampler's Signature:	······		Title:
Check Type(s): () Distributio () Clearance () Distrib eni	() Thm Max F	tes Time () Plant (nple of £ab Invalidated Sample Tap Sites-Attach a format for each site
		•	
			Expiration Date:
Address: 6821 SW Archar Ro			
Subcontracted Lab HRS #: 83170	<u>, 82135, 84269, 82138</u> - ATTA	CH HRS ANALYTE SHEET FOR	SUBCONTRACTED LAB, TOO*
ANALYSIS INFORMATION (to b			
Date Sample(s) Received: 04/	23/97 Group(s) Ans	ityzed & Results attached for com	pliance with 62-550, F.A.C.;
() Nitrate Only	() Nitrite Only	() Asbestos Only	(x) Trihalomethenes
Inorganics () All 17 (x) Partial	Voletile Organics- (x) All 21 〈)Partial	Secondaries— (x) All 14 () Partial	Pesticide/PCBs⊷ (_) All 30_ (x) Partial
Group I Unregulateda– () All 13 (x) Partial	Group II Unregulateda- (x) All 23 () Partial	Group III Unregulateds	
		**Provide radiochemical sample	dates & locations for each quarter
i, Paul Serma	<u>n</u> ,	do HEREBY CERTIFY that all atta	ached analytical data are correct.
Signature	· · · · · · · · · · · · · · · · · · ·		
Title QA Officer			Date <u>5/19/97</u>
COMPLIANCE INFORMATION (to	be completed by State)		
Sample Collection Satisfactory:	Sa	mple Analysis Satisfactory:	
Resample Requested for:		Reason:	
Person notified to resample:			
DEP/HRS Reviewing Official:			······
All HRS ish #s and their MRS As		the etterhod uptor	

"All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample. Effective January 1995

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	leter		Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name</u>	(MCL mg/l)	Number	Result (mg/l)	Method	Date	<u>(mg/l)</u>	<u>a</u>
1005	ARSENIC	(.05)	145420	0.002 K	SM 3113B	05/14/97	0.001	82282
1010	BARIUM	(2)	145420	0.019	EPA 200.7	05/12/97	0.001	82282
1015	CADMIUM	(.005)	145420	0.0001 U	SM 3113B	05/09/97	0.0001	82282
1020	CHROMIUM	(0.1)	145420	0.011	EPA 200.7	05/12/97	0.005	82282
1024	CYANIDE	(0.2)	145420	0.004 U	SM 4500CNE	05/05/97	0.004	82282
1025	FLUORIDE	(4)	145420	0.23	SM 4500FC	05/08/97	0.02	82282
1030	LEAD	(0.015)	145420	0.002 K	SM 3113B	05/08/97	0.001	82282
1035	MERCURY	(0.002)	145420	0.0001 K	EPA 245.1	04/30/97	0.00005	82282
1036	NICKEL	(0.1)	145420	0.030 U	EPA 200.7	05/12/97	0.030	82282
1040	NITRATE	(10)	145420	0.004 U	EPA 353.2	05/03/97		82282
1041	NITRITE	(1)	145420	0.004 K	EPA 353.2	04/23/97	0.003	82282
1045	SELENIUM	(0.05)	145420	0.001 U	SM 3113B	05/09/97	0.001	82282
1052	SODIUM	(160)	145420	21.4	EPA 200.7	05/12/97	0.05	82282
1074	ANTIMONY	(0.006)	145420	0.004 K	SM 3113B	05/09/97	0.003	82282
1075	BERYLLIUM	(0.004)	145420	0.003 U	EPA 200.7	05/12/97	0.003	82282
1085	THALLIUM	(0.002)	145420	0.002 U	EPA 200.9	05/12/97	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	eter		Sample	Analysis*	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name</u>	<u>(MCL mg/l)</u>	Number	Result (mg/l)	Method	<u>Date</u>	<u>(mg/l)</u>	<u>ID</u>
1002	ALUMINUM	(0.2)	145420	0.011	EPA 200.7	05/12/97	0.01	82282
1017	CHLORIDE	(250)	145420	38	EPA 325.2	05/12/97	0.3	82282
1022	COPPER	(1)	145420	0.01 U	EPA 200.7	05/12/97	0.01	82282
1020	FLUORIDE	(2.0)	145420	0.23	SM 4500FC	05/08/97	0.02	82282
1028	IRON	(0.3)	145420	0.146	EPA 200.7	05/12/97	0.005	82282
1032	MANGANESE	(0.05)	145420	0.011	EPA 200.7	05/12/97	0.005	82282
1050	SILVER	(0.1)	145420	0.0002 K	SM 3113B	05/14/97	0.0001	82282
1055	SULFATE	(250)	145420	6.7	EPA 375.4	05/14/97	1	82282
1095	ZINC	(5)	145420	0.012	EPA 200.7	05/12/97	0.004	82282
1905	COLOR	(15 color units)	145420	60	SM 2120B	04/23/97	5	82282
1920	ODOR (3 the	reshold odor number)	145420	1	SM 2150B	04/23/97	1	82282
1925	РH	(6.5-8.5)	145420	7.7	EPA 150.1	04/23/97	***	82282
1930	TOTAL DISSOL	VED SOLIDS (500)	145420	408	SM 2540C	04/29/97	3	82282
2905	FOAMING AGE	NTS (0.5)	145420	0.1 K	SM 5540C	04/24/97	0.025	82138

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit. U - Analyte was not detected; indicated concentration is method detection limit.

.

2

PPB Environmental Laboratories, Inc. - 6821 SW Archer Road. - Gainesville, FL 32608 - (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran <u>ID</u>	neter Name	(MCL mg/L)	Sample Number	Analysis <u>Result (ug/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL (ug/L)	
2950	TOTAL THMS	(0.10)	10774-01	0.0015 U	EPA 502.2	05/01/97	0.0015	84269

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Paran <u>ID</u>	neter <u>Name (MCL pCi/</u>	Sample <u>Number</u>	Analysis <u>Result (pCi/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	Error	Lab ID
4000 4012	GROSS ALPHA PHOTON EMITTERS	9704327-01 NA	3.6 ± 2.6	EPA 900.0	04/25/97	1	83170
4020 4030	RADIUM-226 RADIUM-228	9704327-01 NA	0.6 ± 0.1		04/29/97		
4101	MAN-MADE BETA	NA					

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 82-550.519, FAC)

NA = NOT ANALYZED

.

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(B) (PWS028)

PARAN	AETER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS	MDL	LAB
<u>ID</u>	NAME J	(MCL UG/L)	NUMBER	RESULT (UG/L	<u>.) Method</u>	DATE	(UG/L)	<u>ID</u>
							•	
2378	1,2,4-TRICHLOROBENZ	ene (70)	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2380	CIS-1,2-DICHLOROETH	YLENE (70)	10774-01	0.2 U	EPA 502.2	05/01/97	0.2	84269
2955	XYLENES (TOTAL)	(10,000)	10774-01	0.59	EPA 502.2	05/01/97	0.5	84269
2964	DICHLOROMETHANE	(5)	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2968	O-DICHLOROBENZENE	(600)	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2969	PARA-DICHLOROBENZE	ne (75)	10774-01	0,5 U	EPA 502.2	05/01/97	0.5	84269
2976	VINYL CHLORIDE	(1)	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2977	1,1-DICHLOROETHYLEN		10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2979	TRANS-1,2-DICHLOROE	THYLENE (100)	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2980	1,2-DICHLOROETHANE	(3)	10774-01	0.2 U	EPA 502.2	05/01/97	0.2	84269
2981	1,1,1-TRICHLOROETHAI	NE (200)	10774-01	0.3 U	EPA 602.2	05/01/97	0.3	84269
2982	CARBON TETRACHLORI	1 · /	10774-01	0,3 Ų	EPA 502.2	05/01/97	0,3	84269
2983	1,2-DICHLOROPROPANE		10774-01	0.3 U	EPA 502.2	05/01/97	0,3	84269
2984	TRICHLOROETHYLENE	(3)	10774-01	0.2 U	EPA 502,2	05/01/97	0.2	84269
2985	1,1,2-TRICHLOROETHAI		10774-01	0.3 U	EPA 502.2	05/ 01/9 7	0.3	84289
2987	TETRACHLOROETHYLE	·- (-/	10774-01	0.2 U	EPA 502.2	05/01/97	0.2	84269
2989	MONOCHLOROBENZENE	• •	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2990	BENZENE	(1)	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2991	TOLUENE	(1,000)	10774-01	0.57	EPA 502.2	05/01/97	0.5	84269
2992	ETHYLBENZENE	(700)	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2996	STYRENE	(100)	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

			0.440	102.37				
PARAM	NETER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS		LAB
D	NAME	(MCL MG/L)	<u>NUMBER</u>	RESULT (UG/L)	METHOD	<u>Date</u>	<u>MDL</u>	<u>ID</u>
2005	ENDRIN	(2)	10774-01	0.01 U	EPA 508	04/24/97	0.01	84269
2010	LINDANE	(.2)	10774-01	0.01 U	EPA 508	04/24/97	0.01	84269
2015	METHOXYCHLOR	(40)	10774-01	0.02 U	EPA 508	04/24/97	0.02	84269
2020	TOXAPHENE	(3)	10774-01	0.2 U	EPA 508	04/24/97	0.2	84269
2031	DALAPON	(200)	10774-01	1 U	EPA \$15.1	04/28/97	1	84269
2032	DIQUAT	(20)	10774-01	1 U	EPA 549.1	04/27/97	4	84269
2033	ENDOTHALL	(100)	10774-01	10 U	EPA 548.1	04/28/97	10	84269
2034	GLYPHOSATE	(700)	10774-01	10 U	EPA 547	05/08/97	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	10774-01	1 U	EPA 506	04/24/97	1	84269
2038	OXAMYL (VYDATE)	(200)	10774-01	0.5 U	EPA 531.1	05/01/97	0.5	84289
2037	SIMAZINE	(4)	10774-01	0.1 U	EPA 507	04/24/97	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALAT		10774-01	1 Ս	EPA 506	04/24/97	1	84269
2040	PICLORAM	(500)	10774-01	0.2 U	EPA 515.1	04/28/97	0.2	84269
2041	DINOSEB	(7)	10774-01	0.2 U	EPA 515.1	04/28/97	0.2	84269
2042	HEXACHLOROCYCLOPENTADI		10774-01	0.1 U	EPA 505	04/28/97	0.1	84269
2046	CARBOFURAN	(40)	10774-01	0.5 U	EPA 531.1	05/01/97	0.5	84269
2050	ATRAZINE	(3)	10774-01	0.1 U	EPA 507	04/24/97	0.1	84269
2051	ALACHLOR	(2)	10774-01	0.3 U	EPA 507	04/24/97	0,3	84269
2065	HEPTACHLOR	(.4)	10774-01		EPA 508	04/24/97	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	10774-01		EPA 508	04/24/97	0.01	84269
2105	2,4-D	(70)	10774-01	0.5 U	EPA 515.1	04/28/97	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	10774-01		EPA 515.1	04/28/97	0.05	84269
2274	HEXACHLOROBENZENE	(1)	10774-01		EPA 508	04/24/97	0.01	84269
2308	BENZO(A)PYRENE	(.2)	10774-01		EPA 550	04/24/97	0.01	84269
2326	PENTACHLOROPHENOL	(1)	10774-01		EPA 515.1	04/28/97	0.05	84269
2383	PCB	(.5)	10774-01		EPA 508	04/24/97	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	10774-01		EPA 504	04/25/97	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	10774-01		EPA 504	04/25/97	0.005	84269
2959	CHLORDANE	(2)	10774-01	0.05 U	EPA 508	04/24/97	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

			· · · ·	,				
PARAM	ETER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS		Lab
<u>ID</u>	NAME	(MCL MG/L)	NUMBER	RESULT (UG/L)	METHOD	DATE	<u>MDL</u>	<u>1D</u>
2021	CARBARYL		10774-01	0.5 U	EPA 531.1	05/01/97	0.5	84269
2022	METHOMYL		10774-01	0.5 U	EPA 531.1	05/01/97	0.5	84269
2043	ALDICARB SULFOXIDE		10774-01	0.5 U	EPA 531.1	05/01/97	0.5	84269
2044	ALDICARB SULFONE		10774-01	0.5 U	EPA 531.1	05/01/97	0.5	84269
2045	METOLACHLOR		10774-01	0.3 U	EPA 507	04/24/97	0.3	84269
2047	ALDICARB		10774-01	0.5 Ų	EPA 531.1	05/01/97	0.5	84269
2066	3-HYDROXYCARBOFURAN	l	10774-01	0.5 U	EPA 531.1	05/01/97	0.5	84269
2077	PROPACHLOR		10774-01	0.05 U	EPA 508	04/24/97	0.05	84269
2356	ALDRIN		10774-01	0.01 U	EPA 508	04/24/97	0.01	84269
2364			10774-01	0.01 U	EPA 508	04/24/97	0.01	84269
2440	DICAMBA		10774-01	0.05 U	EPA 515.1	04/28/97	0.05	84269
2595	METRIBUZIN		10774-01	0.2 U	EPA 607	04/24/97	0.2	84269

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

K - ANALYTE WAS LESS THAN INDICATED CONCENTRATION; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT MULTIPLIED BY SAMPLE DILUTION FACTOR.

1 - REDUCED SAMPLE VOLUME USED FOR ANALYSIS DUE TO INTERFERENCE FROM SEDIMENT.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran ID	IETER NAME (MCL MG/L)	SAMPLE NUMBER	Analysis Result (UG/L)	Analysis Method	Analysis Date	MDL (VG/L)	Lab <u>ID</u>
2210	CHLOROMETHANE	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	
2212	DICHLORODIFLUOROMETHANE	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	
2212	BROMOMETHANE						84269
		10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2216	CHLOROETHANE	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2218	TRICHLOROFLUOROMETHANE	. 10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2408	DIBROMOMETHANE	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2410	1,1-DICHLOROPROPYLENE	10774-01	0.3 U	EPA 502.2	05/01/97	0.3	84269
2412	1,3-DICHLOROPROPANE	10774-01	0.3 U	EPA 502.2	05/01/97	0.3	84269
2413	1,3-DICHLOROPROPENE	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	10774-01	0.3 U	EPA 502.2	05/01/97	0.3	84269
2416	2,2-DICHLOROPROPANE	10774-01	0.3 U	EPA 502.2	05/01/97	0.3	84269
2941	CHLOROFORM	10774-01	0.2 U	EPA 502.2	05/01/97	0.2	84269
2942	BROMOFORM	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2943	BROMODICHLOROMETHANE	10774-01	0.3 U	EPA 502.2	05/01/97	0.3	84269
2944	DIBROMOCHLOROMETHANE	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2965	O-CHLOROTOLUENE	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2966	P-CHLOROTOLUENE	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2967	M-DICHLOROBENZENE	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
2978	1,1-DICHLOROETHANE	10774-01	0.3 U	EPA 502.2	05/01/97	0.3	84269
2986	1,1,1,2-TETRACHLOROETHANE	10774-01	0.3 U	EPA 502.2	05/01/97	0.3	84269
2988	1,1,2,2-TETRACHLOROETHANE	10774-01	0.3 U	EPA 502.2	05/01/97	0.3	84269
2993	BROMOBENZENE	10774-01	0.5 U	EPA 502.2	05/01/97	0.5	84269
		COLUMN DI	0.00		00101101	V.V	04400

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

PARAMETER ID NAME (MCL_MG/L)	SAMPLE NUMBER	ANALYSIS RESULT (UG/L)	Analysis Method	ANALYSIS DATE	MDL (UG/L)	Lab ID
2262 ISOPHORONE	10774-01	1 Մ	EPA 609	04/24/97	1	84269
2270 2,4-DINITROTOLUENE	10774-01	10	EPA 609	04/24/97	1	84269
2282 DIMETHYLPHTHALATE	10774-01	1ប្	EPA 506	04/24/97	1	84269
2284 DIETHYLPHTHALATE	10774-01	1 U	EPA 506	04/24/97	1	84269
2290 DI-N-BUTYLPHTHALATE	10774-01	1 U	EPA 506	04/24/97	1	84269
2294 BUTYL BENZYL PHTHALATE	10774-01	1 U	EPA 506	04/24/97	1	84269
9089 DIOCTYLPHTHALATE	10774-01	1 Ų	EPA 506	04/24/97	1	84269
9108* 2-CHLOROPHENOL	10774-01	5 U	EPA 604	04/24/97	5	84269
9112* 2-METHYL-4,6-DINITROPHENOL	10774-01	20 U	EPA 604	04/24/97	20	84269
9115* PHENOL	10774-01	5 U	EPA 604	04/24/97	6	84269
9116" 2,4,6-TRICHLOROPHENOL	10774-01	10 U	EPA 604	04/24/97	10	84269

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

.

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER	SYSTEM INFOR	RMATION (TO BE COMPLETED BY	SYSTEM OR LAB)	
SYSTEM NAME:			ED, #:	
ADORESS:				}
TYPE (CHECK ONE)	() COMMUNITY	() NONTRANSIENT NONCOMMUN		
SAMPLE INFOR	MATION (TO BE	COMPLETED BY SAMPLER)		
SAMPLE DATE (MM	IDDYY): <u>/</u>	SAMPLE TIME:	-	
SAMPLE LOCATION	(9E SPECIFIC);			·····
SAMPLER NAME AN	O PHONE	· · · · · · · · · · · · · · · · · · ·		()
SAMPLER'S SIGNAT	URE:			
CHECK TYPE(S):				or Lindiana Ciuna a
LABORATORY	ERTIFICATION	INFORMATION (TO BE COMPLET	TED BY LAB) - ATTACH HRS ANAL	YTE SHEET
LAB NAME: <u>PPB</u>	ENVIRONMENTAL	ABORATORIES, INC.	_ HRS # 82282 Ex	PIRATION DATE:
ADDRESS: 682	1 SW ARCHER RO	AD, GAINESVILLE, FL. 32808	P#	ONE#: (352) 377-2349
			HRS ANALYTE SHEET FOR SUI	
ANALYSIS INFO	RMATION (TO DI	E COMPLETED BY LAD} - SAMPLE	NUMBER:145421	
			ZED & RESULTS ATTACHED FOR COMPL	
	ONLY		() ASIESTOS QNLY	-
INORGANICS-	(X) PARTIAL	VOLATILE ORGANICS (X) ALL 21 () PARTIAL	Secondaries- (X) All 14 () Partial	PESTICIDE/PCB5- () All 30 (X) Partial
	REGULATEDS- { X } PARTIAL	GROUP II UNREGULATEDS- (X) ALL 23 () PARTIAL	GROUP III UNREGULATEDS- (X) ALL 11 () PARTIAL	RADIOCHEMICALS- (X) SINGLE SAMPLE () QTRLY COMPOSITE"
		**	PROVIDE RADIOCHEMICAL SAMPLE DATI	
I	PAUL BERMAN	, po HEREB	Y CERTIFY THAT ALL ATTACHED ANAL	LYTICAL DATA ARE CORRECT.
SIGNATURE		·	·····	·····
Time	QA OFFICER		······································	DATE 5/19/97
COMPLIANCE IN	FORMATION (TO	BE COMPLETED BY STATE)		
			LE ANALYSIS SATISFACTORY:	
			REASON:	
			DATE NOTIFIED:	
		······································		

*ALL HRS LAB #5 AND THEIR HRS ANALYTE SHEET FOR LABS PERFORMING THE ATTACHED WATER ANALYSESMUST BE PROVIDED. FAILURE TO DO SO WILL RESULT IN REJECTION OF THE ANALYSESAND POSSIBLEENFORCEMENT AGAINST THE PUBLIC WATER SYSTEM FOR FAILURE TO SAMPLE.

EFFECTIVE JANUARY 1995

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

TER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS	MDL	LAB
NAME	(MCL MCh)	NUMBER	<u>RESULT</u>	METHOD	<u>DATE</u>	(MG/L)	<u>ID</u>
	(MOL MOL)		(MG/L)				
ARSENIC	(.05)	145421	0.002 K	SM 3113B	05/14/97	0.001	82282
BARIUM	(2)	145421	0.018	EPA 200.7	05/12/97	0.001	82282
CADMIUM	(.005)	145421	0.0001 U	SM 3113B	05/09/97	0.0001	82282
CHROMIUM	(0.1)	145421	0.013	EPA 200.7	05/12/97	0.005	82282
CYANIDE	(0.2)	145421	0.004 U	SM 4500CNE	05/05/97	0.004	82282
FLUORIDE	(4)	145421	0.22	SM 4500FC	05/08/97	0.02	82282
LEAD	(0.015)	145421	0.002 K	SM 3113B	05/08/97	0.001	82282
MERCURY	(0.002)	145421	0.0001 K	EPA 245.1	04/30/97	0.00005	82282
NICKEL	(0.1)	145421	0.030 U	EPA 200.7	05/12/97	0.030	82282
NITRATE	(10)	145421	0.047	EPA 353.2	05/03/97	0.004	82282
NITRITE	(1)	145421	0.004 K	EPA 353.2	04/23/97	0.003	82282
SELENIUM	(0.05)	145421	0.002	SM 3113B	05/09/97	0.001	82282
SODIUM	(160)	145421	21.2	EPA 200.7	05/12/97	0.05	82282
ANTIMONY	(0.006)	145421	0.004 K	SM 3113B	05/09/97	0.003	82282
BERYLLIUM	(0.004)	145421	0.003 U	EPA 200.7	05/12/97	0.003	82282
THALLIUM	(0.002)	145421	0.002 U	EPA 200.9	05/12/97	0.002	82282
ASBESTOS	(7 MFL)						
	NAME ARSENIC BARIUM CADMIUM CHROMIUM CYANIDE FLUORIDE LEAD MERCURY NICKEL NITRATE NITRATE SELENIUM SODIUM ANTIMONY BERYLLIUM THALLIUM	NAME (MCL mG/L) ARSENIC (.05) BARIUM (2) CADMIUM (.005) CHROMIUM (0.1) CYANIDE (0.2) FLUORIDE (4) LEAD (0.015) MERCURY (0.002) NICKEL (0.1) NITRATE (10) NITRITE (1) SELENIUM (0.05) SODIUM (180) ANTIMONY (0.004) THALLIUM (0.002)	NAME(MCL MG/L)NUMBERARSENIC(.05)145421BARIUM(2)145421CADMIUM(.005)145421CHROMIUM(0.1)145421CYANIDE(0.2)145421FLUORIDE(4)145421LEAD(0.015)145421MERCURY(0.002)145421NICKEL(0.1)145421NITRATE(10)145421NITRATE(1)145421SELENIUM(0.05)145421ANTIMONY(0.006)145421BERYLLIUM(0.004)145421THALLIUM(0.002)145421	NAME (MCL MG/L) NUMBER RESULT (MG/L) ARSENIC (.05) 145421 0.002 K BARIUM (2) 145421 0.0018 CADMIUM (.005) 145421 0.001 U CHROMIUM (0.1) 145421 0.001 U CYANIDE (0.2) 145421 0.004 U FLUORIDE (4) 145421 0.22 LEAD (0.015) 145421 0.002 K MERCURY (0.002) 145421 0.002 K MERCURY (0.002) 145421 0.002 K NICKEL (0.1) 145421 0.002 K NICKEL (0.1) 145421 0.002 K NITRATE (10) 145421 0.004 K SELENIUM (0.05) 145421 0.002 SODIUM (180) 145421 21.2 ANTIMONY (0.006) 145421 0.003 U THALLIUM (0.002) 145421 0.002 U	NAME (MCL MG/L) NUMBER RESULT (MG/L) METHOD ARSENIC (.05) 145421 0.002 K SM 3113B BARIUM (2) 145421 0.001 U SM 3113B CADMIUM (.005) 145421 0.001 U SM 3113B CHROMIUM (0.1) 145421 0.0001 U SM 3113B CHROMIUM (0.1) 145421 0.004 U SM 4500CNE FLUORIDE (4) 145421 0.002 K SM 3113B MERCURY (0.002) 145421 0.0001 K EPA 245.1 NICKEL (0.1) 145421 0.002 K SM 3113B MERCURY (0.002) 145421 0.004 K EPA 353.2 NITRATE (1) 145421 0.002 SM 3113B SODIUM (160) 145421 </td <td>NAME (MCL MG/L) NUMBER RESULT (MG/L) METHOD DATE ARSENIC (.05) 145421 0.002 K SM 3113B 05/14/97 BARIUM (2) 145421 0.018 EPA 200.7 05/12/97 CADMIUM (.005) 145421 0.0001 U SM 3113B 05/09/97 CHROMIUM (0.1) 145421 0.004 U SM 4500CNE 05/05/97 CYANIDE (0.2) 145421 0.22 SM 4500CNE 05/08/97 FLUORIDE (4) 145421 0.22 SM 4500FC 05/08/97 LEAD (0.015) 145421 0.002 K SM 3113B 05/08/97 NICKEL (0.1) 145421 0.002 K SM 3113B 05/08/97 NICKEL (0.1) 145421 0.0001 K EPA 245.1 04/30/97 NITRATE (10) 145421 0.004 K EPA 353.2 05/03/97 NITRATE (1) 145421 0.002 SM 3113B 05/09/97 SOLUM</td> <td>NAME (MCL MG/L) NUMBER RESULT (MG/L) METHOD DATE (MG/L) ARSENIC (.05) 145421 0.002 K SM 3113B 05/14/97 0.001 BARIUM (2) 145421 0.018 EPA 200.7 05/12/97 0.001 CADMIUM (.005) 145421 0.001 U SM 3113B 05/09/97 0.0001 CHROMIUM (0.1) 145421 0.004 U SM 4500CNE 05/5/97 0.004 CYANIDE (0.2) 145421 0.022 K SM 4500CNE 05/08/97 0.02 LEAD (0.015) 145421 0.22 SM 4500FC 05/08/97 0.001 MERCURY (0.002) 145421 0.002 K SM 3113B 05/08/97 0.001 MERCURY (0.002) 145421 0.002 K SM 3113B 05/08/97 0.001 NITRATE (10) 145421 0.001 K EPA 245.1 04/30/97 0.0005 NITRATE (10) 145421 0.004 K EPA 353.2<!--</td--></td>	NAME (MCL MG/L) NUMBER RESULT (MG/L) METHOD DATE ARSENIC (.05) 145421 0.002 K SM 3113B 05/14/97 BARIUM (2) 145421 0.018 EPA 200.7 05/12/97 CADMIUM (.005) 145421 0.0001 U SM 3113B 05/09/97 CHROMIUM (0.1) 145421 0.004 U SM 4500CNE 05/05/97 CYANIDE (0.2) 145421 0.22 SM 4500CNE 05/08/97 FLUORIDE (4) 145421 0.22 SM 4500FC 05/08/97 LEAD (0.015) 145421 0.002 K SM 3113B 05/08/97 NICKEL (0.1) 145421 0.002 K SM 3113B 05/08/97 NICKEL (0.1) 145421 0.0001 K EPA 245.1 04/30/97 NITRATE (10) 145421 0.004 K EPA 353.2 05/03/97 NITRATE (1) 145421 0.002 SM 3113B 05/09/97 SOLUM	NAME (MCL MG/L) NUMBER RESULT (MG/L) METHOD DATE (MG/L) ARSENIC (.05) 145421 0.002 K SM 3113B 05/14/97 0.001 BARIUM (2) 145421 0.018 EPA 200.7 05/12/97 0.001 CADMIUM (.005) 145421 0.001 U SM 3113B 05/09/97 0.0001 CHROMIUM (0.1) 145421 0.004 U SM 4500CNE 05/5/97 0.004 CYANIDE (0.2) 145421 0.022 K SM 4500CNE 05/08/97 0.02 LEAD (0.015) 145421 0.22 SM 4500FC 05/08/97 0.001 MERCURY (0.002) 145421 0.002 K SM 3113B 05/08/97 0.001 MERCURY (0.002) 145421 0.002 K SM 3113B 05/08/97 0.001 NITRATE (10) 145421 0.001 K EPA 245.1 04/30/97 0.0005 NITRATE (10) 145421 0.004 K EPA 353.2 </td

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

PARAM	ETER		SAMPLE	ANALYSIS*	ANALYSIS	ANALYSIS	MDL	LAB
<u>ID</u>	<u>NAME</u>	(MCL MG/L)	NUMBER	RESULT (MG/L)	<u>METHOD</u>	DATE	<u>(MG/L)</u>	<u>ai</u>
1002	ALUMINUM	(0.2)	145421	0.026	EPA 200.7	05/12/97	0.01	82282
1017	CHLORIDE	(250)	145421	38	EPA 325.2	05/12/97	0.3	82282
1022	COPPER	(1)	145421	0.01 U	EPA 200.7	05/12/97	0.01	82282
1020	FLUORIDE	(2.0)	145421	0.22	SM 4500FC	05/08/97	0.02	82282
1028	IRON	(0.3)	145421	0.140	EPA 200.7	05/12/97	0.005	82282
1032	MANGANESE	(0.05)	145421	0.011	EPA 200.7	05/12/97	0.005	82282
1050	SILVER	(0.1)	145421	0.0002 K	SM 3113B	05/14/97	0.0001	82282
1055	SULFATE	(250)	145421	5.7	EPA 375.4	05/14/97	1	82282
1095	ZINC	(5)	145421	0.006	EPA 200.7	05/12/97	0.004	82282
1905	COLOR	(15 COLOR UNITS)	145421	50	SM 2120B	04/23/97	5	82282
1920	ODOR (3 TH	RESHOLD ODOR NUMBER)	145421	10	SM 2150B	04/23/97	1	82282
1925	PH	(6.58.5)	145421	7.4	EPA 150.1	04/23/97		82282
1930	TOTAL DISSO	LVED SOLIDS (500)	145421	407	SM 2540C	04/29/97	3	82282
2905	FOAMING AGE	INTS (0.5)	145421	0.1 K	SM 5540C	04/24/97	0.025	82138

*ALL RESULTS AND METHOD DETECTION LIMITS IN MG/L EXCEPT COLOR (PCU), ODOR (THRESHOLD ODOR NUMBER), AND PH (STANDARD UNITS).

K INDICATES ANALYTE IS LESS THAN VALUE INDICATED, WITH VALUE BEING GREATER THAN METHOD DETECTION LIMIT.

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

۰.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran ID	NAME	(MCL MG/L)	SAMPLE NUMBER	Analysis <u>Result (ug/l)</u>	Analysis <u>Method</u>	ANALYSIS <u>Date</u>		LAB <u>ID</u>	
2950	TOTAL THMS	(0.10)	10774-02	0.0015 U	EPA 502.2	05/02/97	0.0015	84269	
RADIOCHEMICAL ANALYSIS* 82-550.310(5)									

(PWS033)

Paran <u>1D</u>	IETER NAME	(MCL PCI/L)	SAMPLE NUMBER	ANALYSIS RESULT (PCI/L)	ANALYSIS METHOD	ANALYSIS <u>Date</u>	ERROR	LAB ID
4000 4012 4020 4030 4101	GROSS ALPHA Photon Emitti Radium-226 Radium-228 Man-made bet.		9704327-02 NA NA NA NA	0.9 ± 2.0	EPA 900.0	04/25/97	1	83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(B) (PWS028)

PARAN	IETER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS	MDL	LAB
<u>ID</u>	NAME (M	CL UG/L)	NUMBER	RESULT (UG/L)	METHOD	DATE	(UG/L)	ID
				••••				
2378	1,2,4-TRICHLOROBENZEN	E (70)	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2380	CIS-1,2-DICHLOROETHYL	ENE (70)	10774-02	0.2 U	EPA 502.2	05/02/97	0.2	84269
2955	XYLENES (TOTAL)	(10,000)	10774-02	0.63	EPA 502.2	05/02/97	0.5	84269
2964	DICHLOROMETHANE	(5)	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2968	O-DICHLOROBENZENE	(600)	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2969	PARA-DICHLOROBENZENE	(75)	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2976	VINYL CHLORIDE	(1)	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2977	1,1-DICHLOROETHYLENE	(7)	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2979	TRANS-1,2-DICHLOROETH	IYLENE (100)	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2980	1,2-DICHLOROETHANE	(3)	10774-02	0.2 U	EPA 502.2	05/02/97	0.2	84269
2981	1,1,1-TRICHLOROETHANE	(200)	10774-02	0.3 U	EPA 502.2	05/02/97	0.3	84269
2982	CARBON TETRACHLORIDE	(3)	10774-02	0.3 U	EPA 502.2	05/02/97	0.3	84269
2983	1,2-DICHLOROPROPANE	(5)	10774-02	0.3 U	EPA 502.2	05/02/97	0.3	84269
2984	TRICHLOROETHYLENE	(3)	10774-02	0.2 U	EPA 502.2	05/02/97	0.2	84269
2985	1,1,2-TRICHLOROETHANE	(5)	10774-02	0.3 U	EPA 502.2	05/02/97	0.3	84269
2987	TETRACHLOROETHYLENE	(3)	10774-02	0.2 U	EPA 502.2	05/02/97	0.2	84269
2989	MONOCHLOROBENZENE	(100)	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2990	BENZENE	(1)	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2991	TOLUENE	(1,000)	10774-02	0.62	EPA 502.2	05/02/97	0.5	84269
2992	ETHYLBENZENE	(700)	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2996	STYRENE	(100)	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	842 6 9

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

	PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)									
PARA	WETER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS		LAB		
ID	NAME	(MCL MG/L)	NUMBER	RESULT (UG/L)		DATE	MDL	ĨD		
2005	ENDRIN	(2)	10774-02	0.01 U	EPA 508	04/24/97	0.01	84269		
2010	LINDANE	(.2)	10774-02	0.01 U	EPA 508	04/24/97	0.01	84269		
2015	METHOXYCHLOR	(40)	10774-02	0.02 U	EPA 508	04/24/97	0.02	84269		
2020	Toxaphene	(3)	10774-02	0.2 U	EPA 508	04/24/97	0.2	84269		
2031	DALAPON	(200)	10774-02	10	EPA 515.1	04/28/97	1	84269		
2032	DIQUAT	(20)	10774-02	1 U	EPA 549.1	04/27/97	4	84269		
2033	ENDOTHALL	(100)	.10774-02	10 U	EPA 548.1	04/28/97	10	84269		
2034	GLYPHOSATE	(700)	10774-02	10 U	EPA 547	05/06/97	10	84269		
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	10774-02	10	EPA 508	04/24/97	1	84269		
2036	OXAMYL (VYDATE)	(200)	10774-02	0.5 U	EPA 531.1	05/01/97	0.5	84269		
2037	SIMAZINE	(4)	10774-02	0.1 U	EPA 507	04/24/97	0.1	84269		
2039	DI(2-ETHYLHEXYL)PHTHALATE	: (6)	10774-02	1 U	EPA 506	04/24/97	1	84269		
2040	PICLORAM	(500)	10774-02	0.2 U	EPA 515.1	04/28/97	0.2	84269		
2041	DINOSEB	`(7) ´	10774-02	0.2 U	EPA 515.1	04/28/97	0.2	84269		
2042	HEXACHLOROCYCLOPENTADIE	INE (50)	10774-02	0,1 U	EPA 505	04/28/97	0.1	84269		
2046	CARBOFURAN	(40)	10774-02	0.5 U	EPA 631.1	05/01/97	0.5	84269		
2050	ATRAZINE	(3)	10774-02	0.1 U	EPA 507	04/24/97	0.1	84269		
2051	ALACHLOR	(2)	10774-02	0.3 ប	EPA 507	04/24/97	0.3	84269		
2065	HEPTACHLOR	(.4)	10774-02	0.01 U	EPA 508	04/24/97	0.01	84269		
2067	HEPTACHLOR EPOXIDE	(.2)	10774-02	0.01 U	EPA 508	04/24/97	0.01	84269		
2105	2,4-D	(70)	10774-02	0.5 U	EPA 515.1	04/28/97	0.5	84269		
2110	2,4,5-TP (SILVEX)	(50)	10774-02	0.05 U	EPA 515.1	04/28/97	0.05	84269		
2274	HEXACHLOROBENZENE	(1)	10774-02	0.01 U	EPA 508	04/24/97	0.01	84269		
2306	BENZO(A)PYRENE	(.2)	10774-02	0.01 U	EPA 550	04/24/97	0.01	84269		
2326	PENTACHLOROPHENOL	(1)	10774-02	0.05 U	EPA 515.1	04/28/97	0.05	84269		
2383	PCB	(.5)	10774-02	0.05 U	EPA 508	04/24/97	0.05	84269		
2931	DIBROMOCHLOROPROPANE	(.2)	10774-02	0.005 U	EPA 504	04/25/97	0.005	84269		
2946	ETHYLENE DIBROMIDE	(.02)	10774-02	0.005 U	EPA 504	04/25/97	0,005	84289		
2959	CHLORDANE	(2)	10774-02	0.05 U	EPA 508	04/24/97	0.05	84269		

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

				/				
PARAM	ETER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS		LAB
<u>10</u>	NAME	(MCL MG/L)	NUMBER	RESULT (UG/L)		DATE	<u>MDL</u>	<u>a</u>
2021	CARBARYL		10774-02	0.5 U	EPA 531.1	05/01/97	0.5	84269
2022	METHOMYL		10774-02	0.5 U	EPA 531.1	05/01/97	0.5	84269
2043	ALDICARB SULFOXIDE		10774-02	0.5 U	EPA 531.1	05/01/97	0.5	84269
2044	ALDICARB SULFONE		10774-02	0.5 U	EPA 531.1	05/01/97	0.5	84269
2045	METOLACHLOR		10774-02	0.3 U	EPA 507	04/24/97	0.3	84269
2047	ALDICARB		10774-02	0.5 U	EPA 531,1	05/01/97	0.5	84269
2066	3-HYDROXYCARBOFURAN	I	10774-02	0.5 U	EPA 531.1	05/01/97	0.5	84269
2077	PROPACHLOR		10774-02	0.05 U	EPA 508	04/24/97	0.05	84269
2356	ALDRIN		10774-02	0.01 U	EPA 508	04/24/97	0.01	84269
2364	DIELDRIN		10774-02	0.01 U	EPA 508	04/24/97	0.01	84269
2440	DICAMBA		10774-02	0.05 U	EPA 515.1	04/28/97	0.05	84269
2595	METRIBUZIN		10774-02	0.2 ป	EPA 507	04/24/97	0.2	84269

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT, K - ANALYTE WAS LESS THAN INDICATED CONCENTRATION; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT. MULTIPLIED BY SAMPLE DILUTION FACTOR.

1 - REDUCED SAMPLE VOLUME USED FOR ANALYSIS DUE TO INTERFERENCE FROM SEDIMENT.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran	NETER	Sample	ANALYSIS	Analysis	Analysis	MÐL	LAB
<u>1D</u>	NAME (MCL MG/L)	Number	RESULT (UG/L)	<u>Method</u>	<u>Date</u>	<u>(UG/L)</u>	ID
2210	CHLOROMETHANE	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2212	DICHLORODIFLUOROMETHANE	10774-02	0.5 U	EPA 502.2		0.5	84269
2214	BROMOMETHANE	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2216	CHLOROETHANE	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2218	TRICHLOROFLUOROMETHANE	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2408 2410	DIBROMOMETHANE 1,1-DICHLOROPROPYLENE	10774-02	0.5 U 0.3 U	EPA 502.2 EPA 502.2	05/02/97	0.5 0,3	84269 84269
2412	1,3-DICHLOROPROPANE	10774-02	0.3 U	EPA 502.2	05/02/97	0.3	84269
2413	1,3-DICHLOROPROPENE		0.5 U	EPA 502.2	05/02/97	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	10774-02	0.3 U	EPA 502.2	05/02/97	0.3	84269
2416	2,2-DICHLOROPROPANE		0.3 U	EPA 502.2	05/02/97	0.3	84269
2941	Chloroform	10774-02	0.2 U	EPA 502.2	05/02/97	0.2	84269
2942	Bromoform		0.5 U	EPA 502.2	05/02/97	0.5	84269
2943	BROMODICHLOROMETHANE	10774-02	0,3 U	EPA 502.2	05/02/97	0.3	84269
2944	DIBROMOCHLOROMETHANE	10774-02	0,5 U	EPA 502.2	05/02/97	0.5	84269
2965	O-CHLOROTOLUENE	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2968	P-CHLOROTOLUENE		0.5 U	EPA 502.2	05/02/97	0.5	84269
2967	M-DICHLOROBENZENE	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269
2978	1,1-DICHLOROETHANE		0.3 U	EPA 502.2	05/02/97	0.3	84269
2988	1,1,1,2-TETRACHLOROETHANE	10774-02	0.3 U	EPA 502.2	05/02/97	0.3	84269
2988	1,1,2,2-TETRACHLOROETHANE		0.3 U	EPA 502.2	05/02/97	0.3	84269
2993	BROMOBENZENE	10774-02	0.5 U	EPA 502.2	05/02/97	0.5	84269

UNREGULATED GROUP III ANALYSIS 82-550.415 (PWS036 & 037*)

PARAMETER ID NAME (MCL_MG/L)	Sample Number	ANALYSIS RESULT (UG/L)	Analysis Method	Analysis <u>Date</u>	MDL (UG/L)	LAB ID
2262 ISOPHORONE	10774-02	1 U	EPA 609	04/24/97	1	84269
2270 2,4-DINITROTOLUENE	10774-02	1 U	EPA 609	04/24/97	1	84269
2282 DIMETHYLPHTHALATE	10774-02	10	EPA 506	04/24/97	1	84269
2284 DIETHYLPHTHALATE	10774-02	1 U	EPA 506	04/24/97	1	84269
2290 DI-N-BUTYLPHTHALATE	10774-02	1 U	EPA 506	04/24/97	1	84269
2294 BUTYL BENZYL PHTHALATE	10774-02	1 U	EPA 506	04/24/97	1	84269
9089 DIOCTYLPHTHALATE	10774-02	1 U	EPA 506	04/24/97	i	84269
9108* 2-CHLOROPHENOL	10774-02	5 U	EPA 604	04/24/97	5	84269
9112* 2-METHYL-4,6-DINITROPHENOL	10774-02	20 U	EPA 604	04/24/97	20	84269
9115* PHENOL	10774-02	5 U	EPA 604	04/24/97	5	84269
9116* 2,4,6-TRICHLOROPHENOL	10774-02	10 U	EPA 604	04/24/97	10	84269

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

627 PØ1 JUN 11 '97 16:49

Envirodyne Inc.

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

OBU T PAX	Note	7671 Date Degoes
TO FU	MAY	UNA ISON
Co./Dept.	1	Co.
Phone #	+ DC	2 S Phone #
Fax#		Fax #

Attention: Bart Ziegler

Project: PBCWF Expansion - System 2 2956 Pinchurst Drive West Palm Beach, FL

SAMPLE ID: Prod. Well #14

Collected by: Bart Ziegler

Collected on: 06/06/97 Received on: 06/06/97

Date of Analysis: 06/08/97

601 PURGEABLE HALOCARBONS

PARAMETER	RESULT	DL UNITS	ANALYST	
Bromodichloromethane	BDL	0.5 µg/L	TAV	
Bromoform	BDL	0.5 µg/L	TAV	
Bromomethane	BDL	0.5 µg/L	ΤΑΥ	
Carbon tetrachloride	BDL	0.5 µg/L	TAV	
Chlorobenzene	BDL	$0.5 \ \mu g/L$	TAV	
Chloroethane	BDL	0.5 µg/L	TAV	
2-Chloroethylvinyl ether	BDL	0.5 µg/L	TAV	
Chloroform	BDL	0.5 µg/L	TAV	
Chloromethane	BDL	0.5 µg/L	TAV	
Dibromochloromethane	BDL	0.5 µg/L	TAV	
1,2-Dichlorobenzene	BDL	0.5 µg/L	TAV	
1,3-Dichlorobenzene	BDL	0.5 µg/L	TAV	
1,4-Dichlorobenzene	BDL	$0.5 \mu g/L$	TAV	
Dichlorodifluoromethane	BDL	0.5 µg/L	TAV	
1,1-Dichloroethane	BDL	$0.5 \mu g/L$	TAV	
1,2-Dichloroethane	BDL	0.5 µg/L	TAV	
1,1-Dichloroethylene	BDL	0.5 µg/L	TAV	
trans-1,2-Dichloroethene	BDL	0.5 µg/L	TAV	
1,2-Dichloropropane	BDL	0.5 µg/L	TAV	
cis-1,3-Dichloropropene	BDL	0.5 µg/L	TAV	
trans-1,3-Dichloropropene	BDL	0.5 µg/L	TAV	
Methylene chloride	BDL	$0.5 \mu g/L$	TAV	
1,1,2,2-Tetrachloroethane	BDL	0.5 µg/L	TAV	
Tetrachloroethylene	BDL	0.5 µg/L	ΤΑΥ	
1,1,1-Trichloroethane	BDL	0.5 µg/L	ΤΑΥ	
1,1,2-Trichloroethane	BDL	0.5 µg/L	ΤΑΥ	
Trichloroethylene	BDL	0.5 µg/L	TAV	
Trichlorofluoromethane	BDL	$0.5 \mu g/L$	TAV	
Vinyl chloride	BDL	0.5 µg/L	TAV	

Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. 286188 Laboratory Certification No. 86405



4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624 June 11, 1997 Report: 9706000063 Sample No: 9706000063 1

Attention: Bart Ziegler

Project: PBCWF Expansion - System 2 2956 Pinehurst Drive West Palm Beach, FL

SAMPLE ID: Prod. Well #14

Date of Analysis: 06/08/97

Collected by: Bart Ziegler

Collected on: 06/06/97 Received on: 06/06/97

602 VOLATILE ORGANIC COMPOUNDS

PARAMETER	RESULT	DL UNITS	ANALYST	
Benzene	BDL	0.5 µg/L	TAV	
Chlorobenzene	BDL	0.5 μg/L	TAV	
1,2-Dichlorobenzene	BDL	0.5 µg/L	TAV	
1,3-Dichlorobenzene	BDL	0.5 μg/L	TAV	
1,4-Dichlorobenzene	BDL	0.5 µg/L	TAV	
Ethylbenzene	BDL	0.5 µg/L	TAV	
Methyl-tert-butyl ether	BDL	0.5 µg/L	TAV	
Toluene	BDL	0.5 µg/L	TAV	
Xylenes, Total	BDL	0.5 µg/L	TAV	
Total BTEX	BDL	µg/L	TAV	



4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

June 11, 1997 Report: 9706000063 Sample No: 9706000063 2

Attention: Bart Ziegler

Project: PBCWF Expansion - System 2 2956 Pinehurst Drive West Palm Beach, FL

SAMPLE ID: Prod. Well #15

Collected by: Bart Ziegler

Collected on: 06/06/97 Received on: 06/06/97

Date of Analysis: 06/08/97

601 PURGEABLE HALOCARBONS

PARAMETER	RESULT	DL UNITS	ANALYST	
Bromodichloromethane	BDL	0.5 µg/L	TAV	
Bromoform	BDL	$0.5 \mu q/L$	TAV	
Bromomethane	BDL	0.5 µg/L	TAV	
Carbon tetrachloride	BDL	0.5 µg/L	TAV	
Chlorobenzene	BDL	0.5 µg/L	TAV	
Chloroethane	BDL	0.5 µg/L	TAV	
2-Chloroethylvinyl ether	BDL	0.5 μg/L	TAV	
Chloroform	BDL	0.5 µg/L	TAV	
Chloromethane	BDL	0.5 µg/L	TAV	
Dibromochloromethane	BDL	0.5 µg/L	TAV	
1,2-Dichlorobenzene	BDI.	$0.5 \mu g/L$	TAV	
1,3-Dichlorobanzene	BDL	0.5 μg/L	TAV	
1,4-Dichlorobenzene	BDL	0.5 μg/L	TAV	
Dichlorodifluoromethane	BDL	0.5 μg/L	TAV	
1,1-Dichloroethane	BDL	0.5 µg/L	TAV	
1,2-Dichloroethane	BDL	0.5 µg/L	TAV	
1,1-Dichloroethylene	BDL	0.5 μg/L	TAV	
trans-1,2-Dichloroethene	BDL	$0.5 \mu g/L$	TAV	
1,2-Dichloropropane	BDL	0.5 µg/L	TAV	
cis-1,3-Dichloropropene	BDL	0.5 µg/L	TAV	
trans-1,3-Dichloropropene	BDL	0.5 µg/L	TAV	
Methylene chloride	BDL	0.5 µg/L	TAV	
1,1,2,2-Tetrachloroethane	BDL	0.5 μg/L	TAV	
Tetrachloroethylene	BDL	0.5 μg/L	TAV	
1,1,1-Trichloroethane	BDL	0.5 μg/L	TAV	
1,1,2-Trichloroethane	BDL	0.5 μg/L	TAV	
Trichloroethylene	BDL	0.5 μg/L	TAV	
Trichlorofluoromethane	BDL	0.5 μg/L	TAV	
Vinyl chloride	BDL	0.5 µg/L	TAV	

Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. B86188 Laboratory Certification No. 86405



4805 N.W. 2nd Avenue Boce Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

June 11, 1997 Report: 9706000063 Sample No: 9706000063 2

Attention: Bart Ziegler

Project: PBCWF Expansion - System 2 2956 Pinehurst Drive West Palm Beach, FL

SAMPLE ID: Prod. Well #15

Date of Analysis: 06/08/97

Collected by: Bart Ziegler

Collected on: 06/06/97 Received on: 06/06/97

602 VOLATILE ORGANIC COMPOUNDS

PARAMETER	RESULT	DL UNITS	ANALYST	
Benzene	BDL	0.5 μg/L	TAV	<u> </u>
Chlorobenzene	BDL	0.5 µg/L	TAV	
1,2-Dichlorobenzene	BDL	0.5 µg/L	TAV	
1,3-Dichlorobenzene	BDL	0.5 µg/L	TAV	
1,4-Dichlorobenzene	BDL	0.5 μg/L	TAV	
Ethylbenzene	EDL	0.5 µg/L	TAV	
Methyl-tert-butyl ather	BDL	0.5 μg/L	TAV	
Toluene	BDL	0.5 μg/L	TAV	
Xylenes, Total	BDL	0.5 μg/L	TAV	
Total BTEX	BDL	µg/L	TAV	

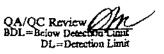
Analysis contained herein conform to EPA and DEP approved methods per Envirodyne Comprehensive Quality Assurance Plan No. 890041G. Additional Laboratory Certification numbers: E86006, 86408, E83079, E86240, South Carolina 96022. All relevant quality assurance samples were within specified control limits unless otherwise stated.

menus

Michael Rentoumis President, Envirodyne, Inc.

um

Oleg I Minko, Ph.D. Quality Assurance Director



Envirodyne Inc.

4305 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624 May 8, 1997 Report: 9704000259 Sample No: 9704000259 1

Attention: Bart Ziegler

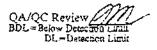
Project: PBCWF Expansion - System 2 2956 Pineburst Drive West Palm Beach, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: SM92228 TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL	UNITS	date Sampled	date Analyzzd	ANALYST
Sys 2 #14 P.W.(Day 1)(AM)	Absent	1 cf	u/100 ml	04/22/97	04/24/97	АМВ
Sys 2 #14 P.W.(Day 1)(PM)	Absent	1 cf	u/100 ml	04/22/97	04/24/97	AM8
Sys 2 #15 P.W.(Day 1)(AM)	Absent	1 cf	u/100 ml	04/22/97	04/24/97	AMB
Sys 2 #15 P.W.(Day 1)(PM)	Absent	1 cf	u/100 ml	04/22/97	04/24/97	AMB
Sys 2 #14 P.W.(Day 2)(AM)	Absent	1 cfi	u/100 ml	04/23/97	04/25/97	AMB
Sys 2 #14 P.W.(Day 2)(PM)	Absent	1 cf	u/100 ml	04/23/97	04/25/97	AMB
Sys 2 #15 P.W.(Day 2)(AM)	Absent	1 cf:	u/100 ml	04/23/97	04/25/97	AMB
Sys 2 #15 P.W.(Day 2)(PM)	Absent	1 cfi	u/100 mi	04/23/97	04/25/97	АМВ
Sys 2 #14 P.W.(Day 3)(AM)	Absent	1 cfu	u/100 ml	04/24/97	04/26/97	AMB
Sys 2 #14 P.W.(Day 3)(PM)	Absent	1 cfu	u/100 ml	04/24/97	04/26/97	АМВ
Sys 2 #15 P.W.(Day 3)(AM)	Absent	1 cfu	ı/100 ml	04/24/97	04/26/97	AMB
Sys 2 #15 P.W.(Day 3)(PM)	Absent	1 cfu	i/100 ml	04/24/97	04/26/97	AMB

Analysis Performed in Accordance with E.P.A. Methods Laboratory Centrication No. E86183 Laboratory Centrification No. 86403



4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624 May 8, 1997 Report: 9704000259 Sample No: 9704000259 13

Attention: Bart Ziegler

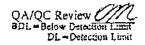
Project: PBCWF Expansion - System 2 2956 Pinehurst Drive West Palm Beach, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: SM9222B TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL	UNITS	DATE SAMPLED	DATE ANALYZED	ANALYST
Sys 2 #14 P.W.(Day 4)(AM)	Absent	1 ct	fu/100 ml	04/25/97	04/27/97	AMB
Sys 2 #14 P.W.(Day 4)(PM)	Absent	1 cf	iu/100 ml	04/25/97	04/27/97	AMB
Sys 2 #15 P.W.(Day 4)(AM)	Absant	1 cf	u/100 ml	04/25/97	04/27/97	AM8
Sys 2 #15 P.W.(Day 4)(PM)	Absent	1 cf	u/100 ml	04/25/97	04/27/97	AMB
Sys 2 #14 P.W.(Day 5)(AM)	Absent	1 cf	u/100 ml	04/26/97	04/27/97	AMB
Sys 2 #14 P.W.(Day 5)(PM)	Absent	1 cf	u/100 ml	04/26/97	04/27/97	AMB
Sys 2 #15 P.W.(Day 5)(AM)	Absent	1 cf	u/100 ml	04/26/97	04/27/97	AMB
Sys 2 #15 P.W.(Day 5)(PM)	Absent	1 cf	u/100 ml	04/26/97	04/27/97	AMB
Sys 2 #14 P.W.(Day 6)(AM)	Absent	1 cf	u/100 ml	04/27/97	04/29/97	AMB
Sys 2 #14 P.W.(Day 6)(PM)	Absent	1 cfi	u/100 ml	04/27/97	04/29/97	АМВ
Sys 2 #15 P.W.(Day 6)(AM)	Absent	1 cf	u/100 ml	04/27/97	04/29/97	AMB
Sys 2 #15 P.W.(Day 6)(PM)	Absent	1 cfu	u/100 ml	04/27/97	04/29/97	AMB
Sys 2 #14 P.W.(Day 7)(AM)	Absent	1 cfu	u/100 ml	04/28/97	04/30/97	AMB

Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. E86138 Laboratory Certification No. 86405



140738952: ENVIRODHIE 10.C.

Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

May 8, 1997 Report: 9704000259 Sample No: 9704000259 25

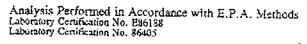
Attention: Bart Ziegler

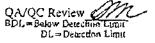
Project: PBCWF Expansion - System 2 2956 Pinehurst Drive West Palm Beach, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: SM9222B TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL (INITS	DATE SAMPLED	DATE ANALYZED	ANALYST
Sys 2 #14 P.W.(Day 7)(PM)	Absant	1 cfu/1	100 mi	04/28/97	04/30/97	AMB
Sys 2 #15 P.W.(Day 7)(AM)	Absent	1 cfu/1	100 ml	04/28/97	04/30/97	AMB
Sys 2 #15 P.W.(Day 7)(PM)	Absent	1 cfu/1	lm 00	04/28/97	04/30/97	AMB
Sys 2 #14 P.W.(Day 8)(AM)	Absent	1 cfu/1	Im 00	04/29/97	04/30/97	AMS
Sys 2 #14 P.W.(Day 8)(PM)	Absent	1 cfu/1	00 ml	04/29/97	04/30/97	AMB
Sys 2 #15 P.W.(Day 8)(AM)	Absent	1 cfu/1	00 mi	04/29/97	04/30/97	AMB
Sys 2 #15 P.W.(Day 8)(PM)	Absent	1 ofu/1	lm 00	04/29/97	04/30/97	AMB
Sys 2 #14 P.W.(Day 9)(AM)	Absent	1 cfu/1	im 00	04/30/97	05/01/97	DJC
Sys 2 #14 P.W.(Day 9)(PM)	Absent	1 cfu/1	00 ml	04/30/97	05/01/97	DJC
Sys 2 #15 P.W.(Day 9)(AM)	Absent	1 cfu/1	00 ml	04/30/97	05/01/97	DJC
Sys 2 #15 P.W.(Day 9)(PM)	Absent	1 cfu/1	00 ml	04/30/97	05/01/97	DJC
Sys 2 #14 P.W.(Day10)(AM)	Absent	1 cfu/1)	00 ml	05/01/97	05/02/97	DJC
Sys 2 #14 P.W.(Day10)(PM)	Absent	1 cfu/10	00 ml	05/01/97	05/02/97	DJC





1407333521 EXVIRODATE (NO.



4805 N.W. 2nd Avenua Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

May 8, 1997 Report: 9704060259 Sample No: 9704000259 39

Attention: Bart Ziegler

Project: PBCWF Expansion - System 2 2956 Pinehurst Drive West Paim Beach, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: SM9222B TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL UNITS	date Sampled	DATE ANALYZED	ANALYST
Sys 2 #15 P.W.(Day10)(AM)	Absent	1 cfu/100 ml	05/01/97	05/02/97	DJC
Sys 2 #15 P.W.(Day10)(PM)	Absent	1 cfu/100 mi	05/01/97	05/02/97	DJC

cfu = colony forming units

The Water Analysis is ACCEPTABLE by health department standards for safe public drinking water, with regards to Coliform bacteria using EPA approved methods.

Analysis contained herein conform to EPA and DEP approved methods per Envirodyne Comprehensive Quality Assurance Plan No. 890041G. Additional Laboratory Certification numbers: E86006, 86408, E83079, E86240. All relevant quality assurance samples were within specified control limits unless otherwise stated.

A I Area 10

Michael Rentoumis President, Envirodyne, Inc.

u n

Oleg Minko, Ph.D. Quality Assurance Director



CONSULTING LABORATORY ANALYSIS WATER / WASTEWATER / SOIL / FOOD

____JOHNSON-DAVIS

Johnson - Davis, Inc.

BACTERIOLOGICAL ANALYSIS

System Name: Salm Beach County System #2

Address: Palm Beach County, Florida

Sample Site: Palm Beach County Well Fields System #2 Pinéhurst Drive

Date and Time of Collection: 5/13/97, 0330

Type of supply. Community Warer System

Date and Time of Sample Arrival in Lab: 5/15/97, 1200

Date and Time of Sample Analysis: 5/15/07, 1620

			le la la la la la la la la la la la la la			r	
sample ,tur	Sample Res.Cl peint (mg/l)	<u>D1:</u>	Coliform, MF/100 m) Tétal* Fachi	хол Celifer®	dunfism Total	0000 fi fa Toqui	Çenlişə 2. Coli
1.	•		<u>4</u>	⊥igh+	,A		
З.			А	Light			

michael a. Fister

E.S.S.F. Collector: M.F. Fieder

Type of Somple: Raw Water Line

PA.

Analysis Method:

Clearance

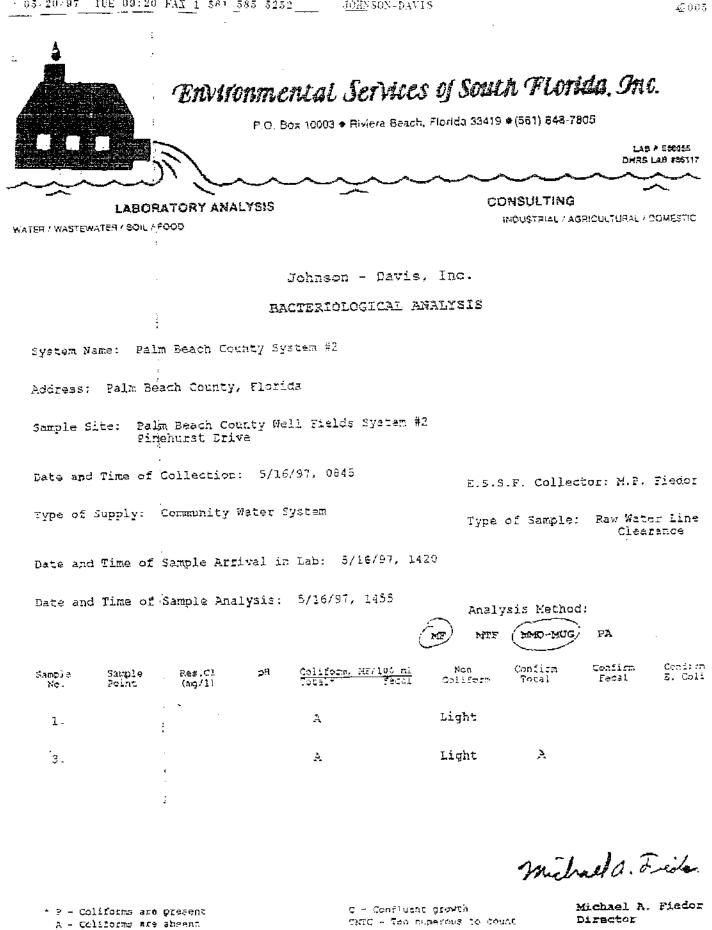
Michael A. Fiedor Director

P - Coliforms are present
 A - Coliforms are absent

....

T

C - Confluent agowth INTC - The numerous of count

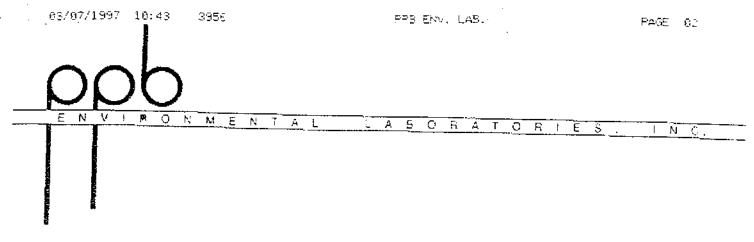


AD 'd

1

93:71 26, 61 ABW ENNIKUMUENTER SERVICE

System 3 SRWRF



February 4, 1997

Mr. Bart Ziegler Southeast Drilling P.O. Box 271723 Tampa, FL 33688

Dear Mr. Ziegler:

Attached are the data reports for the following samples:

PPB Sample Number	Site Name	Your Sample ID	Sample Date	Sampl e Time
139431	Palm Beach Well Field	SRWRF PW-15	11/23/96	1500
139988	Palm Beach Well Field	SRWRF PW-16	12/8/96	1630

If you have any questions concerning these reports, please contact me.

Sincerely,

Paul Demu

Paul Berman Project Manager

PLB:cms

Enclosures

\$7-04) p)

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFO	RMATION (to be completed by	y system or lab)	
System Name: System 3	· · PBCWUO	I.D. #:	UL 15- SRWRF Site
Address: 2065 Prairie Re Type (check one): (v/ Communi	L. P.D. Box 16097 WPB ty () Nontransient Noncom	PL 33416 Phone #: <u>(5</u> nunity () Noncommunity	611 641 - 3429
SAMPLE INFORMATION (to be	completed by sampler)		
Sample Date (MMDDYY)	/Sample Time:		
Sample Location (be specific):			
Sampler Name and Phone:)
Sampler's Signature:			Fitle:
Check Type(s): () Distributio () Clearance	n () Recheck of M		e of Lab Invalidated Sample tes-Attach a format for each site
LABORATORY CERTIFICATION	INFORMATION (to be comple	ted by lab) - ATTACH HRS ANA	LYTE SHEET
Lab Name: PPB Environmental	Laboratories, Inc.	HRS #:E	piration Date:
		Ph	
Subcontracted Lab HRS #: 83170	<u>. 82135, 84269, 82138</u> – ATTAC	H HRS ANALYTE SHEET FOR SU	JBCONTRACTED LAB, TOO*
		E NUMBER:139431	
Date Sample(s) Received:11/2	5/96 Group(s) Analy	zed & Results attached for compli-	ance with 62-550, F.A.C.:
() Nitrate Only	() Nitrite Only	() Asbestos Only	(x) Trihalomethanes
Inorganics– ()All 17 (x)Partial	Volatile Organics– (x) All 21 {) Partial	Secondaries~ (x) All 14 () Partial	Pesticide/PCBs- () All 30 (x) Partial
Group I Unregulateds– () All 13 (x) Partial	Group II Unregulateds- (x) All 23 () Partial	Group III Unregulateds (x) All 11 () Partial Provide radiochemical sample da	(x) Single Sample () Qtrly Composite**
I,Paul Berma		HEREBY CERTIFY that all attach	
Signature Pau	R Bern		
Title <u>OA Officer</u>			Date1/31/97
COMPLIANCE INFORMATION (to	be completed by State)		
Sample Collection Satisfactory:		ple Analysis Satisfactory:	
Resample Requested for:			
Person notified to resample:		Reason:	
DEP/HRS Reviewing Official:			
All HPS Job #c and their HPS As			

"All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample.

Effective January 1995

• •.

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	AnalysWBDL	Lab
<u>ID</u>	<u>Name</u>	(MCL mg/l)	Number	Result (mg/l)	Method	Date (mg/l)	<u>ID</u>
1005	ARSENIC	(.05)	139431	0.001 U	SM 3113B	01/17/97 0.001	<u></u> 82282
1010	BARIUM	(2)	139431	0.032	EPA 200.7	01/20/97 0.001	82282
1015	CADMIUM	(.005)	139431	0.0001 U	SM 3113B	01/22/97 0.0001	82282
1020	CHROMIUM	(0.1)	139431	0.011	EPA 200.7	01/20/97 0.005	82282
1024	CYANIDE	(0.2)	139431	0.004 U	SM 4500CNE		82282
1025	FLUORIDE	(4)	139431	0.33	SM 4500FC	12/11/96 0.02	82282
1030	LEAD	(0.015)	139431	0.001 U	SM 3113B	01/23/97 0.001	82282
1035	MERCURY	(0.002)	139431	0.0001 K	EPA 245.1	12/09/96 0.00005	82282
1036	NICKEL	(0.1)	139431	0.030 U	EPA 200,7	01/20/97 0.030	82282
1040	NITRATE	(10)	139431	0.372	EPA 353.2	12/18/96 0.004	82282
1041	NITRITE	(1)	139431	0.003 U	EPA 353.2	11/27/96 0.003	82282
1045	SELENIUM	(0.05)	139431	0.005 K	SM 3113B	01/26/97 0.001	82282
1052	SODIUM	(160)	139431	19.7	EPA 200.7	01/20/97 0.05	82282
1074	ANTIMONY	(0.006)	139431	0.004 K	SM 3113B	01/15/97 0.003	82282
1075	BERYLLIUM	(0.004)	139431	0.003 U	EPA 200.7	01/20/97 0.003	82282
1085	THALLIUM	(0.002)	139431	0.002 U	EPA 200.9	01/11/97 0.002	82282
1094	ASBESTOS	(7 MFL)					

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	eter		Sample	Analysis*	Analysis	Analysis	MDL	Lab
<u>ID</u>	Name	(MCL mg/l)	Number	•	<u>Method</u>	<u>Date</u>	<u>(mg/l)</u>	<u>ID</u>
1002	ALUMINUM	(0.2)	139431	0.447	EPA 200.7	01/28/97	0.01	82282
1017	CHLORIDE	(250)	139431	38.3	EPA 325.2	12/16/96	0.3	82282
1022	COPPER	(1)	139431	0.01 U	EPA 200.7	01/20/97	0.01	82282
1020	FLUORIDE	(2.0)	139431	0.33	SM 4500FC		0.02	82282
1028	IRON	(0.3)	139431	0.026	EPA 200.7	01/20/97	0.005	82282
1032	Manganese	(0.05)	139431	0.015 K	EPA 200.7	01/20/97	0.005	82282
1050	SILVER	(0.1)	139431	0.0001 U	SM 3113B	01/15/97	0.0001	82282
1055	SULFATE	(250)	139431	2	EPA 375.4	12/19/96	1	82282
1095	ZINC	- (5)	139431	0.024	EPA 200.7	01/20/97	0.004	82282
1905	Color (15 color units)	139431	40	SM 2120B	11/26/96	5	82282
1920	ODOR (3 thre	shold odor number)	139431	1	SM 2150B	11/26/96	1	82282
1925	PН	(6.5-8.5)	139431	7.2	EPA 150.1	11/26/96	, 	82282
1930	TOTAL DISSOLV	ED SOLIDS (500)	139431	279	SM 2540C	11/27/96	3	82282
2905	FOAMING AGEN		139431	0.01 K	SM 5540C	11/25/96	0.025	82135

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

U - Analyte was not detected; indicated concentration is method detection limit.

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Parameter I <u>D Name</u>	(MCL mg/l)	Sample <u>Number Res</u>	Analysis sult (mg/l)	Analysis <u>Method</u>	Analysis <u>Date M</u>		Lab ID
2950 TOTAL T	HMs (0.10)	10002-01	0.0015 U	EPA 502.2	12/5/96	0.0015	84269
		RADIOCHE	MICAL ANALYSIS	S*			

62-550.310(5) 2-550.0 /PWS033)

(PWS033

Parameter	Sample	Analysis	Analysis	Analysis	Lab
ID <u>Name (MCL pCi/I)</u>	<u>Number</u>	<u>Result (pCi/l)</u>	<u>Method</u>	<u>Date</u> Error	<u>ID</u>
4000 GROSS ALPHA 4012 PHOTON EMITTERS 4020 RADIUM-226 4030 RADIUM-228 4101 MAN-MADE BETA	139431 NA NA NA NA	1.4 ± 1.3	EPA 900.0	11/27/96 1	83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(B) (PWS028)

Parameter			Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name</u>	(MCL µg/I)	<u>Number</u>	Result (µq/l)	Method	Date	MDL	ID
						<u></u>		<u>. </u>
2378	1,2,4-TRICHLOROBENZEN	£ (70)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2380	CIS-1,2-DICHLOROETHYLE	NE (70)	10002-01	0.2 U	EPA 502.2	12/05/96	0.2	84269
2955	XYLENES (TOTAL)	(10,000)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2964	DICHLOROMETHANE	(5)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2968	O-DICHLOROBENZENE	(600)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2969	PARA-DICHLOROBENZENE	(75)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2976	VINYL CHLORIDE	(1)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2977	1,1-DICHLOROETHYLENE	(7)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2979	TRANS-1,2-DICHLORQETH		10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2980	1,2-DICHLOROETHANE	(3)	10002-01	0.2 U	EPA 502.2	12/05/96	0.2	84269
2981	1,1,1-TRICHLOROETHANE	(200)	10002-01	0.3 U	EPA 502.2	12/05/96	0.3	84269
2982	CARBON TETRACHLORIDE	(3)	10002-01	0.3 U	EPA 502.2	12/05/96	0.3	84269
2983	1,2-DICHLOROPROPANE	(5)	10002-01	0.3 U	EPA 502.2	12/05/96	0.3	84269
2984	TRICHLOROETHYLENE	(3)	10002-01	0.2 U	EPA 502.2	12/05/96	0.2	84269
2985	1,1,2-TRICHLOROETHANE	(5)	10002-01	0.3 U	EPA 502.2	12/05/96	0.3	84269
2987	TETRACHLOROETHYLENE	(3)	10002-01	0.2 U	EPA 502.2	12/05/96	0.2	84269
2989	MONOCHLOROBENZENE	(100)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2990	BENZENE	(1)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2991	TOLUENE	(1,000)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2992	ETHYLBENZENE	(700)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2996	STYRENE	(100)	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269

J - Analyte was not detected; indicated concentration is method detection limit.

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

Param	eter		Sample	Analysis	Analysis	Analysis		1
		(MCL µg/I)	Number	Result (µg/l)	Method	Date	MDL	Lab <u>ID</u>
2005	ENDRIN	(2)	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2010	LINDANE	(.2)	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269 84269
2015	METHOXYCHLOR	(40)	10002-01	0.02 U	EPA 508	11/26/96	0.02	84269 84269
2020	TOXAPHENE	(3)	10002-01	0.2 U	EPA 508	11/26/96	0.02	84269
2031	DALAPON	(200)	10002-01	1 U	EPA 515.1	12/06/96	1	84269
2032	DIQUAT	(20)	10002-01	10	EPA 549.1	11/26/96	4	84269
2033	ENDOTHALL	(100)	10002-01	10 U	EPA 548	11/26/96	10	84269
2034	GLYPHOSATE	(700)	10002-01	10 U	EPA 547	12/03/96	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	10002-01	1 U	EPA 506	11/26/96	1	84269
2036	OXAMYL (VYDATE)	(200)	10002-01	0.5 Ū	EPA 531.1	12/03/96	0.5	84269
2037	SIMAZINE	(4)	10002-01	0.1 U	EPA 507	11/26/96	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALATE		10002-01	1 U	EPA 506	11/26/96	1	84269
2040	PICLORAM	(500)	10002-01	0.2 U	EPA 515.1	12/06/96	0.2	84269
2041	DINOSEB	(7)	10002-01	0.2 U	EPA 515,1	12/06/96	0.2	84269
2042	HEXACHLOROCYCLOPENTADIE		10002-01	0.1 U	EPA 505	12/05/96	0.1	84269
2046	Carbofuran	(40)	10002-01	0.5 U	EPA 531.1	12/03/96	0.5	84269
2050	ATRAZINE	(3)	10002-01	0.1 U	EPA 507	11/26/96	0.1	84269
2051	ALACHLOR	(2)	10002-01	0.3 U	EPA 507	11/26/96	0.3	84269
2065	HEPTACHLOR	(.4)	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2105	2,4-D	(70)	10002-01	0.5 U	EPA 515.1	12/06/96	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	10002-01	0.05 U	EPA 515.1	12/06/96	0.05	84269
2274	HEXACHLOROBENZENE	(1)	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2306	Benzo(a)pyrene	(.2)	10002-01	0.01 U	EPA 550	11/26/96	0.01	84269
2326	Pentachlorophenol	(1)	10002-01	0.05 U	EPA 515.1	12/06/96	0.05	84269
2383	PCB	(.5)	10002-01	0.05 U	EPA 508	11/26/96	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	10002-01	0.005 U	EPA 504	12/06/96	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	10002-01	0.005 U	EPA 504	12/06/96	0.005	84269
2959	Chlordane	(2)	10002-01	0.05 U	EPA 508	11/26/96	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param	eter		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	Name	<u>(MCL μq/l)</u>	Number	Result (µq/l)	Method	Date	MDL	<u>ID</u>
2021	CARBARYL *		10002-01	0.5 U	EPA 531.1	12/03/96	0.5	84269
2022	METHOMYL		10002-01	0.5 U	EPA 531.1	12/03/96	0.5	84269
2043	ALDICARB SULFOXIDE		10002-01	0.5 U	EPA 531.1	12/03/96	0.5	84269
2044	ALDICARB SULFONE		10002-01	0.5 U	EPA 531.1	12/03/96	0.5	84269
2045	METOLACHLOR		10002-01	0.3 U	EPA 507	11/26/96	0.3	84269
2047	ALDICARB		10002-01	0.5 U	EPA 531.1	12/03/96	0.5	84269
2066	3-Hydroxycarbofuran		10002-01	0.5 U	EPA 531.1	12/03/96	05	84269
2077	PROPACHLOR		10002-01	0.05 U	EPA 508	11/26/96	0.05	84269
2356	ALDRIN		10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2364	DIELDRIN		10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2440	DICAMBA		10002-01	0.05 U	EPA 515.1	12/06/96	0.05	84269
2595	Metribuzin		10002-01	0.2 U	EPA 507	11/26/96	0.2	84269

U - Analyte was not detected; indicated concentration is method detection limit.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Ρ	aran	neter	
	u - u - i	10(0)	

Paran ID	neter Name (MCL µg/I)	Sample Number	Analysis <u>Result (µg/l)</u>	Analysis Method	Analysis <u>Date</u>	MDL	Lab
							<u>ID</u>
2210	CHLOROMETHANE	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2212	DICHLORODIFLUOROMETHANE	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2214	BROMOMETHANE	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2216	CHLOROETHANE	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2218	TRICHLOROFLUOROMETHANE	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2408	DIBROMOMETHANE	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2410	1,1-DICHLOROPROPYLENE	10002-01	0.3 U	EPA 502.2	12/05/96	0.3	84269
2412	1,3-DICHLOROPROPANE	10002-01	0.3 U	EPA 502.2	12/05/96	0.3	84269
2413	1,3-DICHLOROPROPENE	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	10002-01	0.3 U	EPA 502.2	12/05/96	0.3	84269
2416	2,2-DICHLOROPROPANE	10002-01	0.3 U	EPA 502.2	12/05/96	0.3	84269
2941	Chloroform	10002-01	0.2 U	EPA 502.2	12/05/96	0.2	84269
2942	BROMOFORM	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2943	BROMODICHLOROMETHANE	10002-01	0.3 Ŭ	EPA 502.2	12/05/96	0.3	84269
2944	DIBROMOCHLOROMETHANE	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2965	O-CHLOROTOLUENE	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269
2966	P-CHLOROTOLUENE	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	
2967	M-DICHLOROBENZENE	10002-01	0.5 U	EPA 502.2	12/05/96		84269
2978	1,1-DICHLOROETHANE	10002-01	0.3 U	EPA 502.2 EPA 502.2		0.5	84269
2986	1,1,1,2-TETRACHLOROETHANE	10002-01	0.3 U		12/05/96	0.3	84269
2.500				EPA 502.2	12/05/96	0.3	84269
2993	1,1,2,2-TETRACHLOROETHANE	10002-01	0.3 U	EPA 502.2	12/05/96	0.3	84269
7223	BROMOBENZENE	10002-01	0.5 U	EPA 502.2	12/05/96	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param <u>ID</u>	eter <u>Name (MCL μq/l)</u>	Sample <u>Number</u>	Analysis <u>Result (µq/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	<u>MDL</u>	Lab <u>ID</u>
2262	ISOPHORONE	10002-01	1 U	EPA 609	11/26/96	1	84269
2270	2,4-DINITROTOLUENE	10002-01	1 Ú	EPA 609	11/26/96	1	84269
2282	DIMETHYLPHTHALATE	10002-01	1 U	EPA 506	11/26/96	1	84269
2284	DIETHYLPHTHALATE	10002-01	1 U	EPA 506	11/26/96	1	84269
2290	DI-N-BUTYLPHTHALATE	10002-01	10	EPA 506	11/26/96	1	84269
2294	BUTYL BENZYL PHTHALATE	10002-01	1 U	EPA 506	11/26/96	1	84269
9089	DIOCTYLPHTHALATE	10002-01	1 U	EPA 506	11/26/96	1	84269
9108*	2-CHLOROPHENOL	10002-01	5 U	EPA 604	11/26/96	5	84269
9112*	2-METHYL-4,6-DINITROPHENOL	10002-01	20 U	EPA 604	11/26/96	20	84269
9115	PHENOL	10002-01	5 U	EPA 604	11/26/96	5	84269
9116*	2,4,6-TRICHLOROPHENOL	10002-01	10 U	EPA 604	11/26/96	10	84269

U - Analyte was not detected; indicated concentration is method detection limit.

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

.

System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: System Name: <td< th=""><th>h site</th></td<>	h site
SAMPLE INFORMATION (to be completed by sampler) Sample Date (MMDDYY):	e h site
Sample Date (MMDDYY): / Sample Time: Sample Location (be specific):	e h site
Sample Location (be specific):	e h site
Sampler Name and Phone: () Sampler's Signature: Title: Check Type(s): () Distribution () Recheck of MCL () Resample of Lab Invalidated Sample () Clearance () Thm Max Res Time () Plant Tap () Distrib entry pt () Raw () Composite of Multiple Sites-Attach a format for eac LABORATORY CERTIFICATION INFORMATION (to be completed by lab) ~ ATTACH HRS ANALYTE SHEET* Lab Name: PPB Environmental Laboratories, Inc. HRS #: 82282 Expiration Date: Address:	e h site
Sampler's Signature:	e h site
Check Type(s): () Distribution () Recheck of MCL () Resample of Lab Invalidated Sample () Clearance () Thm Max Res Time () Plant Tap () Distrib entry pt () Raw () Composite of Multiple Sites-Attach a format for eac LABORATORY CERTIFICATION INFORMATION (to be completed by lab) - ATTACH HRS ANALYTE SHEET* Lab Name: PPB Environmental Laboratories, Inc. HRS #: 82282 Expiration Date: Address: 6821 SW Archer Road, Gainesville, FL 32608 Phone #: (352) 377-2349 Subcontracted Lab HRS #: 83170, 82135, 84269, 82138 - ATTACH HRS ANALYTE SHEET FOR SUBCONTRACTED LAB, TO ANALYSIS INFORMATION (to be completed by lab) - SAMPLE NUMBER:	e hsite
Check Type(s): () Distribution () Recheck of MCL () Resample of Lab Invalidated Sample () Clearance () Thm Max Res Time () Plant Tap () Distrib entry pt () Raw () Composite of Multiple Sites-Attach a format for eac LABORATORY CERTIFICATION INFORMATION (to be completed by lab) - ATTACH HRS ANALYTE SHEET* Lab Name: PPB Environmental Laboratories, Inc. HRS #: 82282 Expiration Date: Address: 6821 SW Archer Road, Gainesville, FL 32608 Phone #: (352) 377-2349 Subcontracted Lab HRS #: 83170, 82135, 84269, 82138 - ATTACH HRS ANALYTE SHEET FOR SUBCONTRACTED LAB, TO ANALYSIS INFORMATION (to be completed by lab) - SAMPLE NUMBER: 139988 Date Sample(s) Received: 12/10/95 Group(s) Analyzed & Results attached for compliance with 62-550, F,A,C,: () Nitrate Only () Nitrite Only () Asbestos Only (x) Tribalomethanes Inorganics- Volatile Organics- Secondaries- Pesticide/PCBs- () All 17 (x) Partial (x) All 21 Partial (x) All 30 (x) Partial Group II Unregulateds- Group II Unregulateds- Group III Unregulateds- Radiochemicals- (x) All 11 () Partial () All 13 (x) All 23	e hsite
Lab Name: PPB Environmental Laboratories, Inc. HRS #: 82282 Expiration Date: Address: 6821 SW Archer Road, Gainesville, FL 32608 Phone #: (352) 377-2349 Subcontracted Lab HRS #: 83170, 82135, 84269, 82138 – ATTACH HRS ANALYTE SHEET FOR SUBCONTRACTED LAB, TO ANALYSIS INFORMATION (to be completed by lab) – SAMPLE NUMBER: 139988 Date Sample(s) Received: 12/10/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.: () Nitrate Only () Nitrite Only Inorganics- Volatile Organics- Secondaries- Pesticide/PCBs- () All 17 (x) Partial Group I Unregulateds- Group II Unregulateds- () All 13 (x) All 23 All 13 (x) All 23	
Address: 6821 SW Archer Road, Gainesville, FL 32608 Phone #: (352) 377-2349 Subcontracted Lab HRS #: 83170, 82135, 84269, 82138 – ATTACH HRS ANALYTE SHEET FOR SUBCONTRACTED LAB, TO ANALYSIS INFORMATION (to be completed by lab) – SAMPLE NUMBER: 139988 Date Sample(s) Received: 12/10/96 Group(s) Analyzed & Results attached for compliance with 62-550, F,A,C,: () Nitrate Only () Nitrite Only () Asbestos Only (x) Tribalomethanes Inorganics- Vofatile Organics- Secondaries- Pesticide/PCBs- () All 17 (x) All 21 () Partial (x) All 14 () Partial Group I Unregulateds- Group II Unregulateds- Group III Unregulateds- Radiochemicals- () All 13 (x) All 23 () Partial (x) All 11 () Partial	
Subcontracted Lab HRS #: 83170, 82135, 84269, 82138 – ATTACH HRS ANALYTE SHEET FOR SUBCONTRACTED LAB, TO ANALYSIS INFORMATION (to be completed by lab) – SAMPLE NUMBER: 139988 Date Sample(s) Received: 12/10/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.: () Nitrate Only () Nitrite Only () Asbestos Only (x) Trihalomethanes Inorganics- Volatile Organics- Secondaries- Pesticide/PCBs- () All 17 (x) All 21 () Partial (x) All 14 () Partial () All 30 (x) Partial Group I Unregulateds- Group II Unregulateds- Group II Unregulateds- Group III Unregulateds- Radiochemicals- () All 13 (x) All 23 () Partial (x) All 11 () Partial (x) Single Sample	
Subcontracted Lab HRS #: 83170, 82135, 84269, 82138 – ATTACH HRS ANALYTE SHEET FOR SUBCONTRACTED LAB, TO ANALYSIS INFORMATION (to be completed by lab) – SAMPLE NUMBER: 139988 Date Sample(s) Received: 12/10/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.: () Nitrate Only () Nitrite Only () Asbestos Only (x) Trihalomethanes Inorganics- Volatile Organics- Secondaries- Pesticide/PCBs- () All 17 (x) All 21 () Partial (x) All 14 () Partial () All 30 (x) Partial Group I Unregulateds- Group II Unregulateds- Group II Unregulateds- Group III Unregulateds- Radiochemicals- () All 13 (x) All 23 () Partial (x) All 11 () Partial (x) Single Sample	
ANALYSIS INFORMATION (to be completed by lab) - SAMPLE NUMBER: 139988 Date Sample(s) Received: 12/10/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.: () Nitrate Only () Nitrite Only () Asbestos Only (x) Trihalomethanes Inorganics- Volatile Organics- Secondaries- Pesticide/PCBs- () All 17 (x) Partial (x) All 21 Partial (x) All 30 (x) Partial Group I Unregulateds- Group II Unregulateds- Group III Unregulateds- Radiochemicals- Kadiochemicals- () All 13 (x) Partial (x) All 23 Partial (x) All 11 Partial (x) Single Sample	0.
Date Sample(s) Received: 12/10/96 Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.: () Nitrate Only () Nitrite Only () Asbestos Only (x) Trihalomethanes Inorganics- Vofatile Organics- Secondaries- Pesticide/PCBs- () All 17 (x) Partial (x) All 21 () Partial (x) All 30 (x) Partial Group I Unregulateds- Group II Unregulateds- Group III Unregulateds- Radiochemicals- (x) Single Sample () All 13 (x) Partial (x) All 23 () Partial (x) All 11 () Partial (x) Single Sample	
() Nitrate Only () Nitrite Only () Asbestos Only (x) Tribalomethanes Inorganics- Volatile Organics- Secondaries- Pesticide/PCBs- () All 17 (x) Partial (x) All 21 Partial (x) All 14 Partial () All 30 (x) Partial Group I Unregulateds- Group II Unregulateds- Group III Unregulateds- Radiochemicals- (x) Single Sample () All 13 (x) Partial (x) All 23 Partial (x) All 11 Partial () Qtrly Composite*	
() All 17 (x) Partial (x) All 21 () Partial (x) All 14 () Partial () All 30 (x) Partial Group I Unregulateds Group II Unregulateds Group II Unregulateds Radiochemicals () All 13 (x) Partial (x) All 23 () Partial (x) All 11 () Partial (x) Single Sample () Qtrly Composite*	
() All 13 (x) Partial (x) All 23 () Partial (x) All 11 () Partial (x) Single Sample () Qtrly Composite*	iai
riorde radiocitemical sample dates a locations for each qu	•
I Paul Berman	
IPaul Berman, do HEREBY CERTIFY that all attached analytical data are corre Signature Paul Berman	ct.
TitleQA Officer Date	
COMPLIANCE INFORMATION (to be completed by State)	
Sample Collection Satisfactory: Sample Analysis Satisfactory:	
Resample Requested for: Reason:	
Person notified to resample: Date Notified:	
DEP/HRS Reviewing Official:	

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample.

•

Effective January 1995

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	Analysis	MDL	Lab
ID	<u>Name</u>	<u>(MCL mg/l)</u>	Number	Result (mg/l)	Method	<u>Date</u>	(mg/l)	ID
1005	ARSENIC	(.05)	139988	0.001 U	SM 3113B	01/24/97	0.001	82282
1010	BARIUM	(2)	139988	0.032	EPA 200.7	01/24/97	0.001	82282
1015	CADMIUM	(.005)	139988	0.0001 U	SM 3113B	01/22/97	0.0001	82282
1020	CHROMIUM	(0.1)	139988	0.014 K	EPA 200.7	01/24/97	0.005	82282
1024	CYANIDE	(0.2)	139988	0.004 U	SM 4500CNE	12/21/96		82282
1025	FLUORIDE	(4)	139988	0.30	SM 4500FC	12/11/96	0.02	82282
1030	LEAD	(0.015)	139988	0.001 U	SM 3113B	01/23/97		82282
1035	MERCURY	(0.002)	139988	0.00005 U	EPA 245.1	12/13/96		82282
1036	NICKEL	(0.1)	139988	0.030 U	EPA 200.7	01/29/97		82282
1040	NITRATE	(10)	139988	0.01 K	EPA 353.2	01/03/97		82282
1041	NITRITE	(1)	139988	0.003 U	EPA 353.2	12/11/96	0.003	82282
1045	SELENIUM	(0.05)	139988	0.002 K	SM 3113B	01/21/97	0.001	82282
1052	SODIUM	(160)	139988	29	EPA 200.7	01/24/97	0.05	82282
1074	ANTIMONY	(0.006)	139988	0.003 U	SM 3113B	01/28/97	0.003	82282
1075	BERYLLIUM	(0.004)	139988	0.003 U	EPA 200,7	01/24/97		82282
1085	THALLIUM	(0.002)	139988	0.002 U	EPA 200.9	01/24/97		82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	eter		Sample	Analysis*	Analysis	Analysis	MDL	Lab
<u>ID</u>	Name	(MCL mg/l)	<u>Number</u>	Result (mg/l)	Method	<u>Date</u>	<u>(mg/l)</u>	<u>1D</u>
1002	ALUMINUM	(0.2)	139988	0.052	EPA 200.7	01/29/97	0.01	82282
1017	Chloride	(250)	139988	50	EPA 325.2	12/24/96	0.3	82282
1022	COPPER	(1)	139988	0.011	EPA 200.7	01/24/97	0.01	82282
1020	FLUORIDE	(2.0)	139988	0.30	SM 4500FC	12/11/96	0.02	82282
1028	IRON	(0.3)	139988	0.041	EPA 200.7	01/24/97	0.005	82282
1032	MANGANESE	(0.05)	139988	0.006	EPA 200.7	01/29/97	0.005	82282
1050	SILVER	(0.1)	139988	0.0001 U	SM 3113B	01/23/97	0.0001	82282
1055	SULFATE	(250)	139988	276	EPA 375.4	01/03/97	1	82282
1095	ZINC	、(5)	139988	0.019	EPA 200.7	01/24/97	0.004	82282
1905		15 color units)	139988	50	SM 2120B	12/10/96	5	82282
1920	ODOR (3 thre	shold odor number)	139988	2	SM 2150B	12/10/96	1	82282
1925	ΡΗ	(6.5-8.5)	139988	7.7	EPA 150.1	12/10/96		82282
1930	TOTAL DISSOLV	ED SOLIDS (500)	139988	193	SM 2540C	12/12/96	3	82282
2905	FOAMING AGEN	TS (0.5)	139988	0.07	SM 5540C	12/12/96	0.025	82135

*All results and method detection limits in mg/I except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

U - Analyte was not detected; indicated concentration is method detection limit.

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran	neter	(MCL mq/l)	Sample	Analysis	Analysis	Analysis	Lab
<u>ID</u>	<u>Name</u>		<u>Number</u>	Result (mg/l)	<u>Method</u>	<u>Date</u> <u>MDL</u>	I <u>D</u>
2950	TOTAL THMS	(0.10)	10071-01	0.0015 U	EPA 502.2	12/13/96 0.0015	84269

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Param	ieter	(MCL pCi/I)	Sample	Analysis	Analysis	Analysis	Lab
<u>ID</u>	<u>Name</u>		<u>Number</u>	<u>Result (pCi/l)</u>	<u>Method</u>	Date Error	ID
4000 4012 4020 4030 4101	GROSS ALPHA PHOTON EMITT RADIUM-226 RADIUM-228 MAN-MADE BET		139988 NA NA NA NA	1.8 ± 2.1	EPA 900.0	12/23/97 1	83170

(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(B) (PWS028)

Analyte was not detected; indicated concentration is method detection limit.

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

, aram	eter		Sample	Analysis	Analysis	Analysis		Lab
ID	Name	(MCL µq/I)	Number	Result (µq/I)	Method	Date	MDL	
2005	ENDRIN	(2)	10071-01	0.01 U	EPA 508	12/11/96	0.01	84269
2010	LINDANE	(.2)	10071-01	0.01 U	EPA 508	12/11/96	0.01	84269 84269
2015	METHOXYCHLOR	(40)	10071-01	0.02 U	EPA 508	12/11/96	0.02	84269 84269
2020	Toxaphene	(3)	10071-01	0.2 U	EPA 508	12/11/96	0.02	84269
2031	DALAPON	(200)	10071-01	1 U	EPA 515.1	12/12/96	1	84269
2032	DIQUAT	(20)	10071-01	1 U	EPA 549.1	12/11/96	4	84269
2033	ENDOTHALL	(100)	10071-01	10 U	EPA 548	12/16/96	10	84259
2034	GLYPHOSATE	(700)	10071-01	10 U	EPA 547	12/23/96	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	10071-01	1 U	EPA 506	12/11/96	1	84269
2036	OXAMYL (VYDATE)	(200)	10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2037	SIMAZINE	(4)	10071-01	0.1 U	EPA 507	12/11/96	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALATE	5 (6)	10071-01	1 U	EPA 506	12/11/96	1	84269
2040	Picloram	(500)	10071-01	0.2 U	EPA 515.1	12/12/96	0.2	84269
2041	DINOSEB	(7)	10071-01	0.2 U	EPA 515.1	12/12/96	0.2	84269
2042	HEXACHLOROCYCLOPENTADIE	INE (50)	10071-01	0.1 U	EPA 505	12/26/96	0.1	84269
2046	CARBOFURAN	(40)	10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2050	ATRAZINE	(3)	10071-01	0.1 U	EPA 507	12/11/96	0.1	84269
2051	ALACHLOR	(2)	10071-01	0.3 U	EPA 507	12/11/96	0.3	84269
2065	HEPTACHLOR	(.4)	10071-01	0.01 U	EPA 508	12/11/96	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	10071-01	0.01 U	EPA 508	12/11/96	0.01	84269
2105	2,4-D	(70)	10071-01	0.5 U	EPA 515.1	12/12/96	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	10071-01	0.05 ป	EPA 515.1	12/12/96	0.05	84269
2274	HEXACHLOROBENZENE	(1)	10071-01	0.01 U	EPA 508	12/11/96	0.01	84269
26	BENZO(A)PYRENE	(.2)	10071-01	0.01 U	EPA 550	12/11/96	0.01	84269
	PENTACHLOROPHENOL	(1)	10071-01	0.05 U	EPA 515.1	12/12/96	0.05	84269
2383	PCB	(.5)	10071-01	0.05 U	EPA 508	12/11/96	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	10071-01	0.005 U	EPA 504	12/22/96	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	10071-01	0.005 U	EPA 504	12/22/96	0.005	84269
2959	Chlordane	(2)	10071-01	0.05 U	EPA 508	12/11/96	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param <u>ID</u>	eter <u>Name</u>	(MCL µq/I)	Sample Number	Analysis <u>Result (µg/I)</u>	Analysis <u>Metho</u> d	Analysis Date	MDL	Lab <u>ID</u>
2021	CARBARYL		10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2022	METHOMYL	·	10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2043	ALDICARB SULFOXIDE		10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2044	ALDICARB SULFONE		10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2045	METOLACHLOR		10071-01	0.3 U	EPA 507	12/11/96	0.3	84269
2047	ALDICARB		10071-01	0.5 U	EPA 531,1	12/13/96	0.5	84269
2066	3-HYDROXYCARBOFURAN		10071-01	0.5 U	EPA 531,1	12/13/96	0.5	84269
2077	PROPACHLOR		10071-01	0.05 U	EPA 508	12/11/96	0.05	84269
2356	ALDRIN		10071-01	0.01 U	EPA 508	12/11/96	0.01	84269
2364	DIELDRIN		10071-01	0.01 U	EPA 508	12/11/96	0.01	84269
2440	DICAMBA		10071-01	0.05 U	EPA 515.1	12/12/96	0.05	84269
2595	METRIBUZIN		10071-01	0.2 U	EPA 507	12/11/96	0.2	84269

 Analyte was not detected; indicated concentration is method detection limit. Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor.

' - Reduced sample volume used for analysis due to interference from sediment.

.

.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran ID	neter <u>Name (MCL µg/I)</u>	Sample <u>Number</u>	Analysis <u>Result (µ</u> q/l)	Analysis <u>Method</u>	Analysis Date	MDL	Lab
	Name (MCL µq/I) CHLOROMETHANE DICHLORODIFLUOROMETHANE BROMOMETHANE CHLOROETHANE TRICHLOROFLUOROMETHANE METHYL-TERT-BUTYL-ETHER DIBROMOMETHANE 1,1-DICHLOROPROPANE 1,3-DICHLOROPROPANE 1,3-DICHLOROPROPANE 1,2,3-TRICHLOROPROPANE 2,2-DICHLOROPROPANE 2,2-DICHLOROPROPANE CHLOROFORM BROMOFORM BROMOFORM BROMOCHLOROMETHANE DIBROMOCHLOROMETHANE O-CHLOROTOLUENE	Number 10071-01 10071-01 10071-01 10071-01 10071-01 10071-01 10071-01 10071-01 10071-01 10071-01 10071-01 10071-01 10071-01 10071-01 10071-01	Result (µq/l) 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.5 U 0.5 U 0.5 U	Method EPA 502.2 EPA 502.2	Date 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96 12/13/96	MDL 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.3 0.3 0.3 0.2 0.5 0.3 0.5 0.3	Lab <u>ID</u> 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269
2967	P-CHLOROTOLUENE M-DICHLOROBENZENE	10071-01 10071-01	0.5 U 0.5 U	EPA 502.2 EPA 502.2	12/13/96 12/13/96	0.5 0.5	84269 84269
2978 2986 38 _J93	1,1-DICHLOROETHANE 1,1,1,2-TETRACHLOROETHANE 1,1,2,2-TETRACHLOROETHANE BROMOBENZENE	10071-01 10071-01 10071-01 10071-01	0.3 U 0.3 U 0.3 U 0.5 U	EPA 502.2 EPA 502.2 EPA 502.2 EPA 502.2	12/13/96 12/13/96 12/13/96 12/13/96	0.3 0.3 0.3 0.5	84269 84269 84269 84269 84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param <u>ID</u>	eter <u>Name (MCL µq/I)</u>	Sample <u>Number</u>	Analysis <u>Result (µq/l)</u>	Analysis Method	Analysis <u>Date</u>	MDL	Lab ID
2262	ISOPHORONE	10071-01	1 U	EPA 609	12/11/96	1	84269
2270	2,4-DINITROTOLUENE	10071-01	1 U	EPA 609	12/11/96	1	84269
2282	DIMETHYLPHTHALATE	10071-01	1 U	EPA 506	12/11/96	1	84269
2284	DIETHYLPHTHALATE	10071-01	1 U	EPA 506	12/11/96	1	84269
2290	DI-N-BUTYLPHTHALATE	10071-01	1 U	EPA 506	12/11/96	1	84269
2294	BUTYL BENZYL PHTHALATE	10071-01	1 U	EPA 506	12/11/96	1	84269
9089	DIOCTYLPHTHALATE	10071-01	1 U	EPA 506	12/11/96	1	84269
9108*	2-CHLOROPHENOL	10071-01	5 U	EPA 604	12/16/96	5	84269
9112*	2-METHYL-4,6-DINITROPHENOL	10071-01	20 U	EPA 604	12/16/96	20	84269
9115*	PHENOL	10071-01	5 U	EPA 604	12/16/96	5	84269
9116*	2,4,6-TRICHLOROPHENOL	10071-01	10 U	EPA 604	12/16/96	10	84269

U - Analyte was not detected; indicated concentration is method detection limit.

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FLORIDA 34577 813-855-1844

PPB Environmental Laboratories, Inc. 6821 SW Archer Road Gainesville, Florida 32608

January 7, 1997 Project No. 10071 Page 1 of 6

LABORATORY REPORT

Project Description: PPB Project - Southeast Drilling Sample Description: 01 - Water, PPB No. 139988, PW-16, sampled 12/9/96 Date Received: 12/11/96, 1230

- DEP Report Forms Attached

FHRS Environmental Lab No. E84129 FHRS Drinking Water Lab No. 84269 Comprehensive QA Plan No. 870317

Francis I. Daniels Laboratory Director

Southern Analytical Project No. 10071 January 7, 1997

°B No. 139988

TRIHALOMETHANE ANALYSIS 62-550.310(2)(a) (PWS027)

Paran	neter	Sample	Analysis	Analyt.	Analysis	_MDL_	Lab
ID	NAME (MCL mg/l)	<u>Number</u>	<u>Result (mg/l)</u>	<u>Method</u>	Date		ID
2950	Total THMs (0.10)	10071-01	0.0015 U	EPA 502.2	12/13/96	0.0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2) (b) (PWS028)

Parar <u>ID</u>	neter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result (ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2378	1,2,4-Trichlorobenzene (70)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2380	cis-1,2-Dichloroethene (70)	10071-01	0.2 U	EPA 502.2	12/13/96	0.2	84269
2955	Xylenes (Total) (10,000)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
- 4	Dichloromethane (5)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2968	o-Dichlorobenzene (600)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2969	p-Dichlorobenzene (75)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2976	Vinyl chloride (1)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2977	1,1-Dichloroethene (7)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2979	trans-1,2- Dichloroethene (100)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2980	1,2- Dichloroethane (3)	10071-01	0.2 U	EPA 502.2	12/13/96	0.2	84269
2981	1,1,1-Trichloroethane (200)	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
2982	Carbon tetrachloride (3)	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
2983	1,2-Dichloropropane (5)	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
2984	Trichloroethene (3)	10071-01	0.2 U	EPA 502.2	12/13/96	0.2	84269
2985	1,1,2-Trichloroethane (5)	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
2987	Tetrachloroethene (3)	10071-01	0.2 U	EPA 502.2	12/13/96	0.2	84269
2989	Monochlorobenzene (100)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2990	Benzene (1)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2991	Toluene (1,000)	10071-01	0,5 U	EPA 502.2	12/13/96	0.5	84269
2992	Ethylbenzene (700)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
î `S	Styrene (100)	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269

U - Analyte was not detected; indicated concentration is method detection limit.

Southern Analytical Project No. 10071 January 7, 1997

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2) (c) (PWS029)

Para ID	meter NAME (MCL ug/I)	Sample <u>Number</u>	Analysis Result (ug/l)	Analyt. Method	Analysis Date	_MDL_	Lab ID
2005	Endrin (2)	10071-01	0.01 U	EPA 508	12/11/96	0.01	0.0000
2010	Lindane (.2)	10071-01	0.01 U	EPA 508	12/11/96	0.01	84269
2015	Methoxychlor (40)	10071-01	0.02 U	EPA 508	12/11/96	0.01	84269
2020	Toxaphene (3)	10071-01	0.2 U	EPA 508	12/11/96	0.02	84269
2031	Dalapon (200)	10071-01	1 U	EPA 515.1	12/11/96	0.2	84269
2032	Diquat (20)	10071-01	1 U	EPA 549.1	12/12/90	1	84269
2033	Endothall (100)	10071-01	10 U	EPA 548.1	12/16/96	1	84269
2034	Glyphosate (700)	10071-01	10 U	EPA 547		10	84269
2035	Di(2-ethylhexyl)adipate (400)	10071-01	1 U	EPA 506	12/23/96	10	84269
2036	Oxamyl (Vydate) (200)	10071-01	0.5 U	EPA 531.1	12/11/96	1	84269
2037	Simazine (4)	10071-01	0.1 U	EPA 507	12/13/96	0,5	84269
:	Di(2-ethylhexyl)phthalate (6)	10071-01	1 U	EPA 506	12/11/96	0.1	84269
2040	Picloram (500)	10071-01	0.2 U	EPA 500	12/11/96	1	84269
2041	Dinoseb (7)	10071-01	0.2 U	EPA 515.1	12/12/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	10071-01	0.2 U	EPA 515.1	12/12/96	0.2	84269
2046	Carbofuran (40)	10071-01	0.5 U		12/26/96	0.1	84269
2050	Atrazine (3)	10071-01	0.5 U 0.1 U	EPA 531.1	12/13/96	0.5	84269
2051	Alachlor (2)	10071-01	0.1 U	EPA 507	12/11/96	0.1	84269
2065	Heptachlor (.4)	10071-01		EPA 507	12/11/96	0.3	84269
2067	Heptachlor epoxide (.2)	10071-01	0.01 U	EPA 508	12/11/96	0.01	84269
2105	2,4-D (70)	10071-01	0.01 U	EPA 508	12/11/96	0.01	84269
2110	2,4,5-TP (Silvex) (50)	10071-01	0.5 U	EPA 515.1	12/12/96	0,5	84269
274	Hexachlorobenzene (1)	10071-01	0.05 U	EPA 515,1	12/12/96	0.05	84269
306	Benzo(a)pyrene (.2)		0.01 U	EPA 508	12/11/96	0.01	84269
326	Pentachlorophenol (1)	10071-01	0.01 U	EPA 550	12/11/96	0.01	84269
383	PCBs (.5)	10071-01	0.05 U	EPA 515.1	12/12/96	0.05	84269
931	Dibromochloropropane (.2)	10071-01	0.05 U	EPA 508	12/11/96	0.05	84269
946	Ethylene dibromide (.02)	10071-01	0.005 U	EPA 504.1	12/22/96	0.005	84269
959	Chiordane (2)	10071-01	0.005 U	EPA 504.1	12/22/96	0.005	84269
	Unividane (2)	10071-01	0.05 U	EPA 508	12/11/96	0.05	84269

Southern Analytical Project No. 10071 January 7, 1997

B No. 139988

• • • <u>•</u>

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Paran ID	neter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result (mg/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2021	Carbaryl	10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2022	Methomyi	10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2043	Aldicarb sulfoxide	10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2044	Aldicarb sulfone	10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2045	Metolachlor	10071-01	0.3 U	EPA 507	12/11/96	0.3	84269
2047	Aldicarb	10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2066	3-Hydroxycarbofuran	10071-01	0.5 U	EPA 531.1	12/13/96	0.5	84269
2076	Butachlor	10071-01	0.4 U	EPA 507	12/11/96	0.4	84269
2077	Propachlor	10071-01	0.05 U	EPA 508	12/11/96	0.05	84269
2356	Aldrin	10071-01	0.01 U	EPA 508	12/11/96	0.01	84269
2364	Dieldrin	10071-01	0.01 U	EPA 508	12/11/96	0.01	84269
)	Dicamba	10071-01	0.05 U	EPA 515,1	12/12/96	0.05	84269
2595	Metribuzin	10071-01	0.2 U	EPA 507	12/11/96	0.2	84269

U - Analyte was not detected; indicated concentration is method detection limit.

•

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran ID	neter NAME (MCL ug/I)	Sample <u>Number</u>	Analysis <u>Result (ug/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2210	Chloromethane	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2212	Dichlorodifluoromethane	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2214	Bromomethane	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2216	Chloroethane	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2218	Trichlorofluoromethane	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2251	Methyl-tert-butyl-ether	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2408	Dibromomethane	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2410	1,1-Dichloropropene	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
2412	1,3-Dichloropropane	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
2413	1,3-Dichloropropene	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
'14	1,2,3-Trichloropropane	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
∠416	2,2-Dichloropropane	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
2941	Chloroform	10071-01	0.2 U	EPA 502.2	12/13/96	0.2	84269
2942	Bromoform	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2943	Bromodichloromethane	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
2944	Dibromochloromethane	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2965	o-Chlorotoluene	10071-01	0,5 U	EPA 502.2	12/13/96	0.5	84269
2966	p-Chlorotoluene	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2967	m-Dichlorobenzene	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269
2978	1,1-Dichloroethane	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
2986	1,1,1,2-Tetrachloroethane	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
2988	1,1,2,2-Tetrachloroethane	10071-01	0.3 U	EPA 502.2	12/13/96	0.3	84269
2993	Bromobenzene	10071-01	0.5 U	EPA 502.2	12/13/96	0.5	84269

Southern Analytical Project No. 10071 January 7, 1997 .

. .

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param ID	eter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result (uq/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2262	Isophorone	10071-01	1 U	EPA 609	12/11/96	1	84269
2270	2,4-Dinitrotoluene	10071-01	1 U	EPA 609	12/11/96	1	84269
2282	Dimethylphthalate	10071-01	1 U	EPA 506	12/11/96	1	84269
2284	Diethylphthalate	10071-01	1 U	EPA 506	12/11/96	1	84269
2290	Di-n-butylphathalate	10071-01	1 U	EPA 506	12/11/96	1	84269
2294	Butyl benzyl phthalate	10071-01	1 U	EPA 506	12/11/96	1	84269
9089	Di-n-octylphthalate	10071-01	1 U	EPA 506	12/11/96	1	84269
9108*	2-Chlorophenol	10071-01	5 U	EPA 604	12/16/96	5	84269
9112*	2-Mehtyl-4,6-dinitrophenol	10071-01	20 U	EPA 604	12/16/96	20	84269
9115*	Phenol	10071-01	5 U	EPA 604	12/16/96	5	84269
^116*	2,4,6-Trichlorophenol	10071-01	10 U	EPA 604	12/16/96	10	84269

U - Analyte was not detected; indicated concentration is method detection limit.

.

PPB Environmental Laboratories, Inc. 6821 SW Archer Road Gainesville, Florida 32608

December 26, 1996 Project No. 10002 Page 1 of 6

LABORATORY REPORT

Project Description: PPB Project - Southeast Drilling Sample Description: 01 - Water, PPB No. 139431, sampled 11/23/96, 1500 Date Received: 11/26/96, 1230

- DEP Report Forms Attached

FHRS Environmental Lab No. E84129 FHRS Drinking Water Lab No. 84269 Comprehensive QA Plan No. 870317

Francis I. Daniels Laboratory Director

Southern Analytical Project No. 10002 December 26, 1996

PB No. 139431

.

TRIHALOMETHANE ANALYSIS 62-550.310(2)(a) (PWS027)

Parameter	Sample	Analysis	Analyt.	Analysis	MDL	Lab
ID NAME (MCL mg/I)	<u>Number</u>	<u>Result (mg/l)</u>	<u>Method</u>	Date		ID
2950 Total THMs (0.10)	10002-01	0.0015 U	EPA 502.2	12/5/96	0.0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2) (b) (PWS028)

Paran ID	neter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result (uq/l)</u>	Analyt. <u>Method</u>	Analysis Date	MDL	Lab ID
2378	1,2,4-Trichlorobenzene (70)	10002-01	0,5 U	EPA 502.2	12/5/96	0.5	84269
2380	cis-1,2-Dichloroethene (70)	10002-01	0.2 U	EPA 502.2	12/5/96	0.2	84269
<u> </u>	Xylenes (Total) (10,000)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
.∌64	Dichloromethane (5)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2968	o-Dichlorobenzene (600)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2969	p-Dichlorobenzene (75)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2976	Vinyl chloride (1)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2977	1,1-Dichloroethene (7)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2979	trans-1,2- Dichloroethene (100)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2980	1,2- Dichloroethane (3)	10002-01	0.2 U	EPA 502.2	12/5/96	0.2	84269
2981	1,1,1-Trichloroethane (200)	10002-01	0.3 U	EPA 502.2	12/5/96	0.3	84269
2982	Carbon tetrachloride (3)	10002-01	0.3 U	EPA 502.2	12/5/96	0.3	84269
2983	1,2-Dichloropropane (5)	10002-01	0.3 U	EPA 502.2	12/5/96	0.3	84269
2984	Trichloroethene (3)	10002-01	0.2 U	EPA 502.2	12/5/96	0.2	84269
2985	1,1,2-Trichloroethane (5)	10002-01	0.3 U	EPA 502.2	12/5/96	0.3	84269
2987	Tetrachloroethene (3)	10002-01	0.2 U	EPA 502.2	12/5/96	0.2	84269
2989	Monochlorobenzene (100)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2990	Benzene (1)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2991	Toluene (1,000)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2992	Ethylbenzene (700)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
96	Styrene (100)	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269

U - Analyte was not detected; indicated concentration is method detection limit.

٠

PB No. 139431

•

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2) (c) (PWS029)

Paran ID	neter NAME (MCL ug/I)	Sample <u>Number</u>	Analysis <u>Result (uq/l)</u>	Analyt. Method	Analysis Date	MDL	Lab ID
2005	Endrin (2)	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2010	Lindane (.2)	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2015	Methoxychlor (40)	10002-01	0.02 U	EPA 508	11/26/96	0.02	84269
2020	Toxaphene (3)	10002-01	0.2 U	EPA 508	11/26/96	0.2	84269
2031	Dalapon (200)	10002-01	1 U	EPA 515.1	12/6/96	1	84269
2032	Diquat (20)	10002-01	1 U	EPA 549.1	11/26/96	1	84269
2033	Endothall (100)	10002-01	10 U	EPA 548.1	11/26/96	10	84269
2034	Glyphosate (700)	10002-01	10 U	EPA 547	12/3/96	10	84269
2035	Di(2-ethylhexyl)adipate (400)	10002-01	1 U	EPA 506	11/26/96	1	84269
2036	Oxamyl (Vydate) (200)	10002-01	0.5 U	EPA 531.1	12/3/96	0.5	84269
2037	Simazine (4)	10002-01	0.1 U	EPA 507	11/26/96	0.1	84269
)39	Di(2-ethylhexyi)phthalate (6)	10002-01	1 U	EPA 506	11/26/96	1	84269
2040	Picloram (500)	10002-01	0.2 U	EPA 515.1	12/6/96	0.2	84269
2041	Dinoseb (7)	10002-01	0.2 U	EPA 515.1	12/6/96	0.2	84269
2042	Hexachlorocyclopentadiene (50)	10002-01	0.1 U	EPA 505	12/5/96	0.1	84269
2046	Carbofuran (40)	10002-01	0.5 U	EPA 531.1	12/3/96	0.5	84269
2050	Atrazine (3)	10002-01	0.1 U	EPA 507	11/26/96	0,1	84269
2051	Alachlor (2)	10002-01	0.3 U	EPA 507	11/26/96	0.3	84269
2065	Heptachlor (.4)	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2067	Heptachlor epoxide (.2)	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2105	2,4-D (70)	10002-01	0.5 U	EPA 515.1	12/6/96	0.5	84269
2110	2,4,5-TP (Silvex) (50)	10002-01	0.05 U	EPA 515.1	12/6/96	0.05	84269
2274	Hexachlorobenzene (1)	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2306	Benzo(a)pyrene (.2)	10002-01	0.01 U	EPA 550	11/26/96	0.01	84269
2326	Pentachlorophenol (1)	10002-01	0. 05 U	EPA 515.1	12/6/96	0.05	84269
2383	PCBs (.5)	10002-01	0.05 U	EPA 508	11/26/96	0.05	84269
2931	Dibromochloropropane (.2)	10002-01	0.005 U	EPA 504.1	12/6/96	0.005	84269
2946	Ethylene dibromide (.02)	10002-01	0.005 U	EPA 504,1	12/6/96	0.005	84269
`959	Chlordane (2)	10002-01	0.05 U	EPA 508	11/26/96	0.05	84269

Southern Analytical Project No. 10002 December 26, 1996

PB No. 139431

. •

.

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Paran ID	neter NAME (MCLug/I)	Sample <u>Number</u>	Analysis <u>Result (mg/l)</u>	Analyt. <u>Method</u>	Analysis Date		Lab ID
2021	Carbaryl	10002-01	0.5 U	EPA 531.1	12/3/96	0.5	84269
2022	Methomyl	10002-01	0.5 U	EPA 531.1	12/3/96	0.5	84269
2043	Aldicarb sulfoxide	10002-01	0.5 U	EPA 531.1	12/3/96	0.5	84269
2044	Aldicarb sulfone	10002-01	0.5 U	EPA 531.1	12/3/96	0.5	84269
2045	Metolachlor	10002-01	0.3 U	EPA 507	11/26/96	0.3	84269
2047	Aldicarb	10002-01	0.5 U	EPA 531.1	12/3/96	0.5	84269
2066	3-Hydroxycarbofuran	10002-01	0.5 U	EPA 531.1	12/3/96	0.5	84269
2077	Propachlor	10002-01	0.05 U	EPA 508	11/26/96	0.05	84269
2356	Aldrin	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2364	Dieldrin	10002-01	0.01 U	EPA 508	11/26/96	0.01	84269
2440	Dicamba	10002-01	0.05 U	EPA 515.1	12/6/96	0.05	84269
,95	Metribuzin	10002-01	0.2 U	EPA 507	11/26/96	0.2	84269

U - Analyte was not detected; indicated concentration is method detection limit.

•

.

. .

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran ID	neter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result (ug/l)</u>	Analyt. <u>Method</u>	Analysis <u>Date</u>	MDL	Lab ID
2210	Chloromethane	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2212	Dichlorodifluoromethane	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2214	Bromomethane	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2216	Chloroethane	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2218	Trichlorofluoromethane	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2251	Methyl-tert-butyl-ether	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2408	Dibromomethane	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2410	1,1-Dichloropropene	10002-01	0.3 U	EPA 502.2	12/5/96	0.3	84269
2412	1,3-Dichloropropane	10002-01	0.3 U	EPA 502.2	12/5/96	0.3	84269
2413	1,3-Dichloropropene	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
`414	1,2,3-Trichloropropane	10002-01	0.3 U	EPA 502,2	12/5/96	0.3	84269
2416	2,2-Dichloropropane	10002-01	0.3 U	EPA 502.2	12/5/96	0.3	84269
2941	Chloroform	10002-01	0.2 U	EPA 502.2	12/5/96	0.2	84269
2942	Bromoform	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2943	Bromodichloromethane	10002-01	0.3 U	EPA 502.2	12/5/96	0.3	84269
2944	Dibromochloromethane	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2965	o-Chiorotoluene	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2966	p-Chlorotoluene	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2967	m-Dichlorobenzene	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269
2978	1,1-Dichloroethane	10002-01	0.3 U	EPA 502.2	12/5/96	0.3	84269
2986	1,1,1,2-Tetrachloroethane	10002-01	0.3 U	EPA 502.2	12/5/96	0.3	84269
2988	1,1,2,2-Tetrachloroethane	10002-01	0.3 U	EPA 502.2	12/5/96	0.3	84269
2993	Bromobenzene	10002-01	0.5 U	EPA 502.2	12/5/96	0.5	84269

. .

UNREGULATED GROUP III ANALYSIS 62-550,415 (PWS036 & 037*)

Paran ID	neter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result (uq/l)</u>	Analyt. <u>Method</u>	Analysis <u>Dat</u> e	MDL	Lab ID
2262	Isophorone	10002-01	1 U	EPA 609	11/26/96	1	84269
2270	2,4-Dinitrotoluene	10002-01	1 U	EPA 609	11/26/96	1	84269
2282	Dimethylphthalate	10002-01	1 U	EPA 506	11/26/96	1	84269
2284	Diethylphthalate	10002-01	1 U	EPA 506	11/26/96	1	84269
2290	Di-n-butylphathalate	10002-01	1 U	EPA 506	11/26/96	1	84269
2294	Butyl benzyl phthalate	10002-01	1 U	EPA 506	11/26/96	1	84269
9089	Di-n-octylphthalate	10002-01	1 U	EPA 506	11/26/96	1	84269
9108*	2-Chlorophenoi	10002-01	5 U	EPA 604	11/26/96	5	84269
9112*	2-Mehtyl-4,6-dinitrophenol	10002-01	20 U	EPA 604	11/26/96	20	84269
9115*	Phenol	10002-01	5 U	EPA 604	11/26/96	5	84269
^116*	2,4,6-Trichlorophenol	10002-01	10 U	EPA 604	11/26/96	10	84269

U - Analyte was not detected; indicated concentration is method detection limit.

•

14079895225 ENVIRODYNE INC.

Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Reton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624 March 11, 1997 Report: 9702000246 Sample No: 9702000246 1

Attention: Bart Ziegler

Project: PBCWF Expansion Palm Beach County, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: 909A TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL UNITS	DATE SAMPLED	DATE ANALYZED	ANALYST
SRWRF #15 Prod. Well-Day1	Absent	1 CFU/100 ml	02/26/97	02/2 7/97	АМВ
SRWRF #16 Prod. Well-Day1	Absent	1 CFU/100 ml	02/26/97	02/27/97	AMB
SRWRF #15 Prod. Well-Day1	Absent	1 CFU/100 ml	02/26/97	02/27/97	AMB
SRWRF #16 Prod. Well-Day1	Absent	1 CFU/100 ml	02/26/97	02/27/97	AMB
SRWRF #15 Prod. Well-Day2	Absent	1 CFU/100 ml	02/27/97	02/2 8/97	DJC
SRWRF #16 Prod. Well-Day2	Absent	1 CFU/100 ml	02/27/97	02/28/97	DJC
SRWRF #15 Prod. Weil-Day2	Absent	1 CFU/100 ml	02/27/97	02/28/97	DJC
SRWRF #16 Prod. Well-Day2	Absent	1 CFU/100 ml	02/27/97	02/28/97	DJC
SRWRF #15 Prod. Well-Day3	Absent	1 CFU/100 ml	02/28/97	03/01/97	DJC
SRWRF #16 Prod. Well-Day3	Absent	1 CFU/100 ml	02/28/97	03/01/97	DJC
SRWRF #15 Prod. Well-Day3	Absent	1 CFU/100 ml	02/28/97	03/01/97	DJC
SRWRF #16 Prod. Well-Day3	Absent	1 CFU/100 ml	02/28/97	03/01/9 7	DJC

Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. E86188 Laboratory Certification No. 86405



Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

. .

March 11, 1997 Report: 9702000246 Sample No: 9702000246 13

Attention: Bart Ziegler

Project: PBCWF Expansion Palm Beach County, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: 909A TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL UNITS	DATE SAMPLED	DATE ANALYZED	ANALYST
SRWRF #15 Prod. Well-Day4	Absent	1 CFU/100 mi	03/01/97	03/02/97	AMB
SRWRF #16 Prod. Well-Day4	Absent	1 CFU/100 ml	03/01/97	03/02/97	AMB
SRWRF #15 Prod. Well-Day4	Absent	1 CFU/100 ml	03/01/97	03/02/97	АМВ
SRWRF #16 Prod. Well-Day4	Absent	1 CFU/100 ml	03/01/9 7	03/02/97	AMB
SRWRF #15 Prod. Well-Day5	Absent	1 CFU/100 ml	03/03/97	03/05/97	AMB
SRWRF #16 Prod. Well-Day5	Absent	1 CFU/100 ml	03/03/97	03/05/9 7	AMB
SRWRF #15 Prod. Well-Day5	Absent	1 CFU/100 ml	03/03/97	03/05/97	AMB
SRWRF #16 Prod. Well-Day5	Absent	1 CFU/100 ml	03/03/97	03/05/97	AMB
SRWRF #15 Prod. Well-Day6	Absent	1 CFU/100 ml	03/04/97	03/06/97	AMB
SRWRF #16 Prod. Well-Day6	Absent	1 CFU/100 ml	03/04/97	03/06/97	AMB
SRWRF #16 Prod. Well-Day6	Absent	1 CFU/100 ml	03/04/97	03/06/97	AMB
SRWRF #16 Prod. Well-Day7	Absent	1 CFU/100 mi	03/05/97	03/06/97	АМВ
SRWRF #15 Prod. Well-Day7	Absent	1 CFU/100 ml	03/05/97	03/0 6/97	AMB

Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. E86188 Laboratory Certification No. 86405

Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

. .

March 11, 1997 Report: 9702000246 Sample No: 9702000246 26

Attention: Bart Ziegler

Project: PBCWF Expansion Palm Beach County, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: 909A TOTAL COLIFORM BACTERIA

SAMPLE	ID	RESULT	DL UNITS	DATE SAMPLED	DATE ANALYZED	ANALYST
SRWRF	#16 Prod. Well-Day7	Absent	1 CFU/100 ml	03/05/97	03/06/97	АМВ
SRWRF	#15 Prod. Well-Day8	Absent	1 CFU/100 ml	03/06/97	03/08/97	DJC
SRWRF	#16 Prod. Well-Day8	Absent	1 CFU/100 ml	03/06/97	03/08/97	DJC
SRWRF	#15 Prod, Well-Day8	Absent	1 CFU/100 ml	03/06/97	03/08/9 7	DJC
SRWRF	#16 Prod. Well-Day8	Absent	1 CFU/100 ml	03/06/97	03/08/97	DJC
SRWRF	#15 Prod. Well-Day9	Absent	1 CFU/100 ml	03/07/97	03/09/97	AMB
SRWRF	#16 Prod. Well-Day9	Absent	1 CFU/100 ml	03/07/97	03/09/97	AMB
SRWRF	#15 Prod. Well-Day9	Absent	1 CFU/100 ml	03/07/97	03/09/97	АМВ
SRWRF	#16 Prod. Well-Day9	Absent	1 CFU/100 ml	03/07/97	03/09/97	AMB
SRWRF	#15 Prod.Well-Day10	Absent	1 CFU/100 ml	03/08/97	03/1 0/ 97	AMB
SRWRF	#16 Prod.Well-Day10	Absent	1 CFU/100 ml	03/08/97	03/10/97	AMB
SRWRF	#15 Prod.Well-Day10	Absent	1 CFU/100 ml	03/08/97	03/10/97	AMB
SRWRF	#16 Prod.Well-Day10	Absent	1 CFU/100 ml	03/08/97	03/10/97	AMB

Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. E86188 Laboratory Certification No. 86405

Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drüling 11505 N. Grady Avenue Tampa, FL 33624 March 11, 1997 Report: 9702000246 Sample No: 9702000246 39

Attention: Bart Ziegler

Project: PBCWF Expansion Palm Beach County, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: 909A TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL UNITS	DATE SAMPLED	DATE ANALYZED	ANALYST
SRWRF #15 Prod.Well-Day11	Absent	1 CFU/100 ml	03/09/97	03/11/97	АМВ
SRWRF #15 Prod.Well-Day11	Absent	1 CFU/100 mi	03/09/9 7	03/11/97	AMB

cfu = colony forming units

The Water Analysis is ACCEPTABLE by health department standards for safe public drinking water, with regards to Coliform bacteria using EPA approved methods.

Analysis contained herein conform to EPA and DEP approved methods per Envirodyne Comprehensive Quality Assurance Plan No. 890041G. Additional Laboratory Certification numbers: E86006, 86408, E83079, E86240. All relevant quality assurance samples were within specified control limits unless otherwise stated.

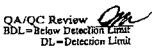
51 Longus

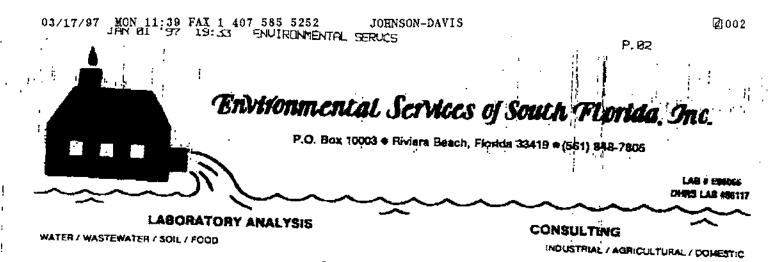
Michael Rentoumis President, Envirodyne, Inc.

man

Oleg I. Minko, Ph.D. Quality Assurance Director

Mont	baomen	Now Watson
To		From 11.
	N. Jam	my juntson
tiona V		Plone #
8X #	TP	90





Johnson - Davis, Inc. BACTERIOLOGICAL ANALYSIS

System Name: Palm Beach County Utilities System #3 Address: Palm Beach County, Florida Sample Site: P.B.C. Well Field Expansion, Magen Ranch Rosd, Boynton BEach, Florida Date and Time of Collection: 3/13/97, 1330 Type of Supply: Community Water System Date and Time of Sample Arrival in Lab: 3/13/97, 1520 Date and Time of Sample Analysis: 3/13/97, 1555 Analysis Method:

Remarks:

Saand)e No.	Sample Point	Total Res.Cl (mg/l)	рн	<u>Coliform, MF/100 ml</u> Total* Te cal	Non Coliforn	Confirm Total	Confirm Fecal
1A.	Source	3.6		A	None Detected		
2 A .		3.6		A	None Detected		
3A.		3.7		А	None Detected		

P - Coliforms are present.
 A - Coliforms are absent

ochis are absent

C - Confluent growth TMTC - Too numerous to count

M

MAD MERG

Ş,

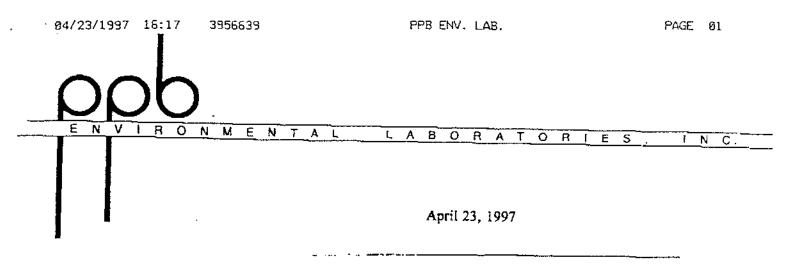
РA

michaela. Friden

Michael A. Fiedor Director

¢

03/17/97 MON 11:40	D FAX 1 407 585 5252	JOHNSON-DAVIS		Ø003
	r	VEAL SETVICES OF SC x 10003 • Riviera Beach, Florida 33		,Inc.
			e+19 €(381) 648-7805	LAM # ENDOLS DHRS LAB 200117
LA	 1			TURAL / DOMESTIC
1	John	son - Davis, Inc.		
	BACTE	RIOLOGICAL ANALYSIS		
: System Name: P:	alm Beach County Utili	tles System #3		
Address: Falm	Beach County, Florida			
Sample Site: P.	B.C. Well Field Expans	ion, Hagen Ranch Road , 1	Boynton Beach. Flo	trida
	Collection: 3/14/97,	0845		
Type of Supply:	Community Water Syste	5.5.; ħ	5.F. Collector:)	1.P. Fiedor
	Sample Arrival in Lab	Type	of Sample: Main	Clearance
Date and Time of	Sample Analysis: 3/1	4/97, 1505 Analys	is Method:	
Rømarks:	· .	NT MIT	Mic-Mig Pr	
Sample Sample No. Point	F Total Har.Cl pH <u>Colif</u> . (mg/1) Total	orm, MF/100 mi Non 1 Fecal Colifor	Confirm Total	Confirm Fecal
1A. Source	3.17 A	None Detected		
ZA.	3.7 A	None Detected		
эа.	13.8 A	None Detected		
i	;			
	k :			
	, ,		0.51	
8	- 4 e -		michael	(L. Oredon
* P - Coliforns are p A ~ Coliforns are p	rezent bsent	C - Confluent growth INTC - Too numerous to count	Michael A. Director	Fiedor
TØ 'd	2	ENVIRONMENTAL SERVICS	90::51 25. TO NU	2



Mr. Bart Ziegler Southeast Drilling P.O. Box 271723 Tampa, FL 33688

Post-it = brand fax transmittal	
Tammy Wation	From Paul Berman
Ca Hantyomery Watson Dept.	Co. 718
Dept. U F	Phone # 352 - 174 - 2349
Fex# 561-586-8834	Fex# 352-395-6639

Dear Mr. Ziegler;

Attached is the data report for the following samples:

PPB Sample Number	Site Name	Your Sample ID	Sample Date	Sample Time
143065 9702311-01* 10469-01**	Palm Beach Well Field	SRPTW #17	02/18/97	1600
144206 9703340-03* 10613-01**	Palm Beach Well Field	SRPTW #18	03/19/97	1500

*Laboratory ID from Post Buckley Schuh & Jernigan (PBS&J) **Laboratory ID from Southern Analytical

If you have any questions concerning this report, please contact me.

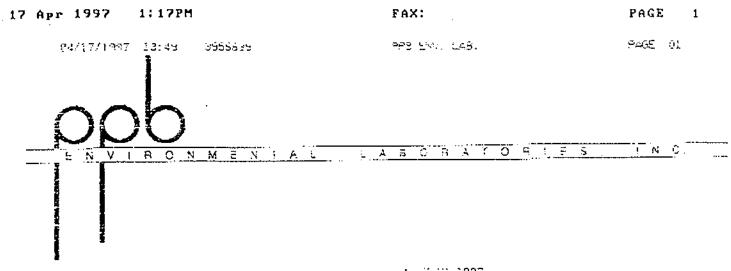
Sincerely,

Bern

Paul Berman Project Manager

PLB:cms

Enclosures



April 17, 1997

Mr. Bart Ziegler Southeast Drilling P.O. Box 271723 Tampa, FL 33688

Dear Mr. Ziegler:

Attached is the data report for the following sample:

_---

PP8 Sample Number	Site Name	Your Sample ID	Sample Date	Saciple Time
144206	Palm Reach Well Field	SRPTW #18	03/19/97	1500

If you have any questions concerning this report, please contact me.

Sincerely,

armon

...

Paul Berman Project Manager

PLB:cms

Enclosures

Barn-Eicher	Paul Berman
Ca Javiller Drilling	Co. PPB
Deni.	Phono & 552-637-214

5821 SW ARCHER BOAD, GAINESVILLE, FLOR DA 32808 Ter (352) 377-2349

64/07/1007 13:48

3955533

FAX:

C70 C≥. 448.

PPB Environmental Laboratorius, Inc. - 5821 SW Archer Road - Gainesville, FL 32608 - (352) 377-2349

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

SECONDARY CHEMICAL ANALYSIS 82-550.320 (PWS031)

Parame <u>IU</u> 1002 1017 1022 1020 1028 1032 1050 1055 1095 1905 1920 1925	Name (MCL_mg/l) ALUMINUM (0.2) CHLORIDE (250) COPPER (1) FLUORIDE (2.0) IRON (0.3) MANGANESE (0.05) SILVER (0.1) SULFATE (250) ZINC (5) COLOR (15 color units) ODOR (3 threshoid oder number) PH (6.3-6.5)	Number 144205 144206 144206 144205 144205 144205 144206 144206 144206 144206 144206	Analysis* <u>Result (moli)</u> 0.013 0.038 0.01 U 0.24 0.01 K 0.005 U 0.001 2 0.005 40 1 U 7.5	Analysis Method EPA 200.7 EPA 325 2 EPA 200.7 SM 4300FC EPA 200.7 EPA 200.7 SM 31138 EPA 375.4 EPA 200.7 SM 21208 SM 21508 EPA 150.1 SM 2540C	Anaiysis Date 03/29/97 03/29/97 03/29/97 03/29/97 03/28/97 03/25/97 03/25/97 03/21/97 03/21/97 03/21/97 03/21/97 03/26/97	MDL (mg/l) 0.01 0.02 0.005 0.005 0.005 0.005 0.0001 1 0.004 5 1 	i ab <u>ID</u> 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282
	PH (6.3-6.5) TOTAL DISSOLVED SOLIDS (500) FOAMING AGENTS (0.5)	144206 144206 144206	7.5 319 0.027	EPA 150.1 SM 2540C SM 5540C			

*All results and method detection finite in mg/l except color (PCU). Oder (threshold oder number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

U - Analyte was not detected; indicated concentration is mathed detection timit.

914.75 93

17 Apr 1997 1:18PM

-

FAX:

PPB ENV. LAB.

PAGE MR

24/17/1997 13:49 3556635

PPB Environmental Laboratories, Inc. + 6821 SW Archer Road + Gaincaville, FL 32608 + (352) 377-2349

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Param	ieter	Sample	Analysis	Analysis	Analysis	Error	Lab
<u>iO</u>	Name (MCL pCi/i)	<u>Number</u>	<u>Result (pCl/l)</u>	<u>Method</u>	<u>Dete</u>		<u>10</u>
4000 4012 4020 4030 4101	GROSS ALPHA Photon Emitters Radium-228 Radium-228 Man-made beta	9703840-03 NA NA NA NA	1.8 ± 1.2	EPA 900.0	03/28/97	1	83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC)

•

NA = NOT ANALYZED

24/17/1997 13:49 3955539

. ·

.

PPB ENV. LAE.

FAGE 84

Southern Analytical Project No. 10613 April 9, 1997

PPB No. 144206

TRIHALOMETHANE ANALYSIS 62-550.310(2)(a) (PWS027)

Parameter	Sampla	Analysis	Analyi.	Anslysis	_MOL_	Lab
1 <u>0 NAME (MCL.md/l)</u>	<u>Number</u>	<u>Result (mc/i)</u>	Method	<u>Date</u>		ID
2950 Total THMs (0.10)	10813-01	0 0015 U	EPA 502.2	4/2/97	0 0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2) (b) (PWS028)

Paran ID	NAME (MCL ug/l)	Somple Number	Analysis Result (ug/i)	Anelyt. Method	Analysis Date	MDL_	Lab 5 <u>)</u>
2378	1,2,4-Trichlorobenzene (70)	10515-01	0.5 U	EPA 502,2	4/2/97	0.5	84269
2380	cis-1,2-Dichlorcethene (70)	10813-01	02 U	EPA 502.2	4/2/97	0.2	84269
2955	Xylenes (Total) (10,000)	10613-01	0.74	EPA 502.2	4/2/97	0,5	84269
2964	Dichloromethane (5)	10613-01	0,5 0	EPA 502.2	4/2/97	0.5	84269
2966	o-Dichlorobenzene (600)	10613-01	0.5 U	EPA 502.2	4/2/97	0.5	84269
2969	p-Dichlorobenzone (75)	10513-01	0.5 U	EPA 502.2	4/2/97	0.5	84269
2976	Vinyl chloride (1)	10613-01	0.5 U	EPA 502,2	4/2/97	0.5	84269
2977	1,1-Dichloroethene (7)	10513-01	0.5 U	EPA 502.2	4/2/97	0.5	84269
2979	trans-1,2-Dichloroethone (100)	10613-01	0.5 0	EPA 502.2	4/2/97	0.5	84269
2980	t,2-Dichloroethane (3)	10813-01	0.2 U	EPA 502.2	4/2/97	0.2	84269
2981	1.1.1-Trichloroathane (200)	10613-01	ن 0.3	EPA 502.2	4/2/97	0.3	84269
2982	Carbon tetrachloride (3)	10513-01	0.3 U	EPA 502.2	4/2/97	03	84269
2983	1,2-Dichloropropane (5)	10613-01	0.3 U	5PA 502,2	4/2/97	0.3	84269
2984	Trichloroethene (3)	10513-01	0.2 U	EPA 502.2	4/2/97	0.2	84269
2985	1,1,2-Trichloroethane (5)	10613-01	0.3 U	EFA 502.2	4/2/97	0,3	84269
2987	Tetrachioroethene (3)	10613-01	0.26	EPA 502.2	4/2/97	0.2	84269
2989	Monochlorobenzene (100)	10613-01	0.5 U	EPA 502.2	4/2/97	0.5	84269
2990	Benzene (1)	10613-01	0.5 U	EPA 502.2	4/2/97	0.5	84269
2991	Toluene (1.000)	10613-01	0.5 U	EPA 502.2	4/2/97	Q.5	84269
2992	Ethylbenzene (700)	10613-01	0.5 U	EPA 502.2	4/2/97	0.5	84269
2995	Styrene (100)	10613-01	0.5 U	EPA 502.2	4/2/97	0.5	84269

FAX:

B4/17/1997 13:49 3955839

. ·

ANS STALL MR.

5% C048

Southern Analytical Project No. 10613 April 9, 1997

2PB No. 144206

PESTICIDE & POB CHEMICAL ANALYSIS 62-550,310(2) (c) (PWS020)

	Parameter I <u>D NAME (MCL ug/l)</u>		Azelysis <u>Basult (ug/i)</u>	Ansiyt <u>Method</u>	Analysis <u>Dete</u>	MDL	Lab <u>ID</u>
2005	Endrin (2)	10813-01	0.01 🗘	EPA 508	3/28/97	0.01	84269
2010	Lindane (2)	10813-01	0.01 U	EPA 505	3/26/97	C.01	84269
2015	Methoxychlor (40)	10613-01	0.02 U	EPA 508	3/26/97	0.02	84269
2020	Toxaphene (S)	10613-01	82 U	22A 508	3/26/97	0.2	84259
2031	Dalapon (200)	10813-01	10	EPA 515.1	3/25/97	1	84269
2032	Diquat (20)	10613-01	15	EPA 549.1	3/28/97	1	84269
2033	Endothall (100)	10613-01	19 U	EPA 548.1	3/26/97	ĩC	84269
2034	Glyphosate (700)	10513-01	U 07	EPA 547	4/2/97	10	84269
2035	DI(2-ethylhoxyl)adipate (400)	10613-01	1 ป	EPA SCO	3/26/97	1	84269
2035	Oxamyl (Vydate) (200)	10613-01	0.5 🖯	EPA 531.1	3/31/97	0.5	34269
2037	Simazine (4)	10613-01	0.1 U	EPA 507	3/28/97	0.1	84259
2039	Di(2-ethylhexyl)phthalate (6)	10613-01	15	EPA 506	3/26/97	1	84269
2040	Pictoram (500)	10613-01	02 U	EPA 515 1	3/25/97	0.2	84269
2041	Dinoseb (7)	10613-01	0.2 U	EPA 515.1	3/25/97	0.2	8426S
2042	Hexachlorocyclopentadiene (50)	10613-01	0.1 \!	EPA 505	4/2/97	0.1	84269
2046	Carbofuran (40)	10513-01	0.5 U	EPA 531.1	3/31/97	0.5	34269
2050	Atrazine (S)	10613-01	0.1 U	EPA 507	3/26/97	0,1	84269
2051	Alachior (2)	10613-01	0.3 😳	SPA 507	3/26/97	0,3	84269
2065	Heptachlor (.4)	10613-01	0.01 U	EPA 508	3/26/97	0,01	84269
2067	Heptachlor epoxide (2)	10613-01	0.01 U	EPA 508	3/26/97	0,01	84269
2105	2,4-D (70)	10613-01	0.5 U	EPA 515.1	3/25/97	0.5	6426 9
2110	2,4,5-TP (Silvex) (50)	10513-01	0.05 U	EPA 515.1	3/25/97	0.05	84269
2274	Hexechlorobenzene (1)	10813-01	0.01 U	EPA 508	3/26/97	0.01	84269
2306	Banzo(a)pyrene (.2)	10613-01	0.01 U	EPA 550	3/26/97	0.0;	84269
2326	Pentachiorophenol (1)	10613-01	0.05 U	EPA 515,1	3/25/97	0.05	84269
2383	PCBs (.5)	10813-01	0.05 U	EPA 508	3/26/97	0.05	84269
2931	Dibromochioropropana (.2)	10613-01	0,005 U	EPA 504.1	3/30/97	0.005	84269
2946	Ethylene dibromide (.02)	10613-01	0.005 U	EPA 504.1	3/30/97	0.005	84269
2959	Chlordane (2)	10613-01	0.05 U	EPA 508	3/26/97	0.05	84269

17 Apr 1997 1:19PM

@a/17/1007 13:49 3955539

· ·

FPS ENV. LAS.

94<u>9</u>7 95.

Southern Analytica! Project No. 10813 April 9, 1997

PPB No. 144206

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Paramater 10 NAME (MCL.ug/I)	Semp ie <u>Number</u>	Ansiysis <u>Result (mgil)</u>	Analyt. <u>Method</u>	Anaiysis <u>Date</u>	MDL	Lab ID
2021 Carbaryl	10619-01	0.5 U	FPA 531.1	3/31/97	0.5	84269
2022 Methomyl	10613-01	0.5 U	EPA 531.1	3/31/97	0.5	84269
2043 Aldicarb suffoxide	10613-01	0.S U	EPÁ 561.1	3/31/97	0.5	84269
2044 Aldicarb sulfone	10513-01	0.5 U	EPA 631.1	3/31/97	0.5	84269
2045 Metolachior	10613-01	0,3 U	EPA 507	S/2 8 /97	0.3	84259
2047 Aldicarb	10613-01	0.5 U	EPA 531.1	3/31/97	0.5	84269
2066 3-Hydroxycarbofuran	10613-01	0.5 U	EPA 531.1	S/31/97	0.5	84269
2076 Butachlor	10613-01	0,4 U	EPA 509	3/25/97	0.4	84269
2077 Propechior	19813-91	0.05 U	EPA 508	3/25/97	0.05	84269
2356 Aldrin	10613-01	0.01 U	EPA 502	3/26/97	0.01	84269
2364 Dieldrin	10613-01	0.01 U	EPA 508	3/26/97	10,0	84269
2440 Dicamba	10813-01	0,05 U	EFA 515.1	3/25/97	0.05	94269
2595 Mətribuzin	10613-01	0.2 U	EPA 507	1/26/97	0.2	84269

.

U - Analyte was not detected; indicated concentration is method detection limit.

•

e4/17/199/ 13:49 3955539

. .

ಸ್ಥಾರ್ಯ ಬಿಕ್ಕಾ

FAGE 87

Southern Analytical Project No. 10613 April 9, 1997

PPB No. 144206

.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Perant ID	NAME (MCL ug/l)	Sampis <u>Numbor</u>	Anniysis Fasult (uali)	Ansiyt. <u>Məfnod</u>	Analysis Date	MOL	Lab ID
2210	Chloromethana	10613-01	0.5 U	EPA 502.2	<i>4/2/</i> 97	0.5	84269
2212	Dichlorodifiuoromethane	10613-01	0.5 U	FPA 502.2	4/2/97	0.5	84269
2214	Bromomethane	10613-01	0,5 U	EPA 502.2	4/2/97	0.5	84269
2216	Chloroethane	10613-01	0.5 U	EPA 502.2	4/2/97	0.5	84269
2218	Trichiorofiuorcmethene	10612-01	0.5 U	EPA 502,2	4/2/97	0.5	84259
2251	Methyl-tert-butyl-other	10613-01	0.5 U	EPA 502.2	4/2/97	0.5	84269
2408	Dibromomethane	10613-01	0.5 U	EPA 502.2	4/2/97	0.5	84269
2410	1,1-Dichloropropene	10613-01	0.3 U	EPA 502.2	4/2/97	0.3	84259
2412	1.3-Dichloropropane	10613-01	0.3 J	EPA 502.2	4/2/97	0.3	84269
2412	1,3-Dichloropropens	10613-01	0.5 9	EPA 502.2	4/2/97	0.5	34259
2413	1.2.3-Trichloropropane	10613-01	0.3 U	EPA 502.2	4/2/97	0.3	84269
2418	2,2-Dichloropropane	10813-01	0.3 U	EPA 502.2	4/2/97	0.3	84269
2941	Chloroform	10613-01	0.2 U	EPA 502.2	412/97	0.2	84269
2942	Bromoform	10613-01	0.5 U	EPA 502.2	4/2/97	0.5	84269
2943	Bromodichloromethane	10613-01	0.3 U	EPA 502.2	4/2/97	0.3	84269
2944	Decomochloromethane	10613-01	0.5 U	FPA 502.2	4/2/97	0. 5	84269
	o-Chiorotoluene	10513-01	05 U	EPA 502.2	4/2/97	0.5	84269
2965	p-Chiorotoluene	10613-01	C.S. U	EPA 902.2	4/2/97	0.5	84269
2966 2967	m-Dichlorobenzene	10613-01	0.5 0	EPA 502.2	4/2/97	0.5	84269
2978	1,1-Dichloroethane	10613-01	0.3 U	EPA 502.2	4/2/97	0.3	84269
	1,1,1,2-Tetrachioroethane	10613-01	0.3 U	EPA 502.2	4/2/97	0.3	84269
2986		10613-01	0.3 U	EPA 502.2	4/2/97	0.3	84269
2968	1,1,2,2-Tetrachioroetinane		0.5 U	EPA 502.2	4/2/97	0.5	84269
2993	Bromobenzene	10613-01	0.0 0	and the second second		•	

04/17/1997 13:49 3955859

. .

FAX:

PPB COV. : AR.

PAGE 00

Southern Analytical Project No. 10613 April 9, 1997

PPB No. 144206

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS038 & 037*)

Parameter I <u>DNAME_(MCL ug/I)</u>	Semplə Number	Analysis <u>Result (ua/i)</u>	Analyt. Method	Analysis Date	MDL	Lab ID
2262 Isophorone	10513-01	1 ป	EPA 609	3/26/97	•	84269
2270 2,4-Dinitrotoluene	10613-01	1 U	EPA 609	3/26/97	ĩ	84269
2282 Dimethyiphthalate	10613-01	1 U	EPA 506	3/26/97	1	84269
2284 Diethylphthalate	10613-01	1 Ü	EPA 506	3/26/97	1	84269
2290 DI-n-butyiphathalate	10613-01	τU	EPA 506	3/26/97	ĩ	84269
2294 Butyl benzyl phtheiate	10613-01	1 U	EPA 506	3/26/97	ĩ	84269
9089 Di-n-octylphthalate	10613-01	េប	EPA 506	3/26/97	t	84269
9108" 2-Chlorophenol	10613-01	5 U	EPA 604	3/26/97	5	84269
9112 2-Mehtyl-4,6-dinitrophenoi	10613-01	20 U	EPA 604	3/26/97	20	84269
9115" Phenol	10613-01	5 U	EPA 604	9/26/97	5	84269
9116* 2,4,6-Trichlorophenot	10613-01	10 U	5PA 604	3/25/97	10	84269
	10613-01	10 U	EPA 604	3/25/97	10	84269

U - Analyte was not detected; indicated concentration is method detection limit.

•

April 4, 1997

RATOR

ES

I.

FAX (352) 395-6639

N C.

A B O

L

Mr. Bart Ziegler Southeast Drilling P.O. Box 271723 Tampa, FL 33688

R

ONMENT

N

Dear Mr. Ziegler:

Attached is the data report for the following sample:.

A L

Sample No. Site Name: Your Sample ID: Sample Date: Sample Time: 143065 Palm Beach Well Field SRPTW #17 02/18/97 1600

If you have any questions concerning this report, please contact me.

Sincerely,

Paul L. Berman Project Manager

PLB:cms

Enclosures

April 4, 1997

R

ATO

8 O

А

R

εS

Mr. Bart Ziegler Southeast Drilling P.O. Box 271723 Tampa, FL 33688

R

O

Ν

Ň

Μ

E N

А

Dear Mr. Ziegler:

MOY PRUBIT

Ν

С

Enclosed are the analytical results for your water samples we received February 19 and 21, 1997.

All data were determined in accordance with published procedures (EPA-600/4-79-020, *Methods for Chemical Analysis of Water and Wastes*, Revised March 1983). Our laboratory is certified by the Florida DHRS (Lab Nos. 82282 and E82001).

Note that I have included a sheet for information regarding the well system. Please fill out the top portion of this form and submit it with the report to your client or regulatory agency.

If you have any questions concerning this report, please contact me.

Sincerely,

Paul L. Berman Project Manager

PLB:cms

Enclosures

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFORMATION (to be completed by system or	lab)
System Name:	i.D. #:
Address:	Phone #: () Noncommunity
SAMPLE INFORMATION (to be completed by sampler)	
Sample Date (MMDDYY): / / Sample Time:	_
Sample Location (be specific):	
Sampler Name and Phone:	()
Sampler's Signature:	Title:
Check Type(s): () Distribution () Recheck of MCL () Clearance () Thm Max Res Time () Distrib entry pt () Raw ()	 () Resample of Lab Invalidated Sample () Plant Tap) Composite of Multiple Sites-Attach a format for each site
LABORATORY CERTIFICATION INFORMATION (to be completed by iab)	- ATTACH HRS ANALYTE SHEET*
Lab Name: PPB Environmental Laboratories, Inc. HRS #	*: <u>82282</u> Expiration Date:
Address: 6821 SW Archer Road, Gainesville, FL 32608	Phone #: <u>(352)</u> 377-2349
Subcontracted Lab HRS #: 83170,82135,84269 - ATTACH HRS A	ANALYTE SHEET FOR SUBCONTRACTED LAB, TOO*
ANALYSIS INFORMATION (to be completed by lab) - SAMPLE NUMBER:	
Date Sample(s) Received: 02/19/97 Group(s) Analyzed & Res	ults attached for compliance with 62-550, F.A.C.:
() Nitrate Only () Nitrite Only ()	Asbestos Only (x) Trihalomethanes
Inorganics	rries Pesticide/PCBs All 14 ()Partial ()All 30 (x)Partial
	Unregulateds- Radiochemicals- All 11 () Partial (x) Single Sample () Otrly Composite**
**Prov	ide radiochemical sample dates & locations for each quarter
I, Paul Berman, do HEREBY of	CERTIFY that all attached analytical data are correct.
Signature bul Olim	
Title QA Officer	Date
COMPLIANCE INFORMATION (to be completed by State)	
Sample Collection Satisfactory: Sample Analysis S	atisfactory:
Resample Requested for Reas	son:
Person notified to resample: Date Not	ified:
DEP/HRS Reviewing Official:	

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample.

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

.

.

Parameter			Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name</u>	(MCL mg/l)	Number	Result (mg/l)	Method	Date	<u>(ma/l)</u>	ID
1005	ARSENIC	(.05)	143065	0.001 U	SM 3113B	03/11/97	0.001	82282
1010	BARIUM	(2)	143065	0.030	EPA 200.7	03/06/97	0.001	82282
1015	CADMIUM	(.005)	143065	0.0005 K	SM 3113B	03/13/97	0.0001	82282
1020	CHROMIUM	(0.1)	143065	0.010 K	EPA 200.7	03/06/97	0.005	82282
1024	CYANIDE	(0.2)	143065	0.004 U	SM 4500CNE	03/04/97	0.004	82282
1025	FLUORIDE	(4)	143065	0.26	SM 4500FC	02/20/97	0.02	82282
1030	LEAD	(0.015)	143065	0.001 U	SM 3113B	03/10/97	0.001	82282
1035	MERCURY	(0.002)	143065	0.0001 K	EPA 245.1	02/26/97	0.00005	82282
1036	NICKEL	(0.1)	143065	0.030 U	EPA 200.7	03/06/97	0.030	82282
1040	NITRATE	(10)	143065	0.039	EPA 353.2	02/28/97	0.004	82282
1041	NITRITE	(1)	143065	0.016	EPA 353.2	02/19/97	0.003	82282
1045	SELENIUM	(0.05)	143065	0.002 K	SM 3113B	03/05/97	0.001	82282
1052	SODIUM	(160)	143065	21.2	EPA 200.7	03/06/97	0.05	82282
1074	ANTIMONY	(0.006)	143065	0.003 U	SM 3113B	03/17/97	0.003	82282
1075	BERYLLIUM	(0.004)	143065	0.004 K	EPA 200.7	03/06/97	0.003	82282
1085	THALLIUM	(0.002)	143065	0.002 U	EPA 200.9	03/05/97	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320

(PWS031)

Param ID	eter <u>Name</u>	(MCL mg/l)	Sample <u>Number</u>	Analysis* <u>Resuit (mg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL <u>(mg/l)</u>	Lab I <u>D</u>
1002 1017 1022 1020 1028 1032 1050 1055 1095 1905 1920 1925	ALUMINUM CHLORIDE COPPER FLUORIDE IRON MANGANESE SILVER SULFATE ZINC COLOR ((0.2) (250) (1) (2.0) (0.3) (0.05) (0.1) (250) (5) (15 color units) shold odor number) (6.5–8.5)	143065 143065 143065 143065 143065 143065 143065 143065 143065 143065 143065 143065	0.02 K 46.8 0.01 U 0.26 0.060 0.005 U 0.0001 U 7.0 0.020 30 1 7.2	EPA 200.7 EPA 325.2 EPA 200.7 SM 4500FC EPA 200.7 EPA 200.7 SM 3113B EPA 375.4 EPA 200.7 SM 2120B SM 2150B EPA 150.1	03/31/97 03/13/97 03/06/97	0.01 0.3 0.01 0.02 0.005 0.005 0.0001 1 0.004 5 1	82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282
1930 2905	TOTAL DISSOLVE FOAMING AGENT	D SOLIDS (500)	143065 143065	355 0.025 U	SM 2540C SM 5540C	02/25/97	 3 0.025	82282 82282 82135

"All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

U - Analyte was not detected; indicated concentration is method detection limit.

.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Param	Parameter Sample			Analysis	Analysis	Analysis	Lab
<u>ID</u>	<u>D Name (MCL mg/l) Number</u>			<u>Result (mg/l)</u>	<u>Method</u>	<u>Date</u> <u>MDL</u>	ID
2950	TOTAL THMS	(0.10)	10469-01	0.0015 U	EPA 502.2	03/04/97 0.0015	84269

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Paran <u>ID</u>	neter <u>Name</u>	(MCL pCi/l)	Sample <u>Number</u>	Analysis <u>Result (pCi/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	Error	Lab <u>ID</u>
4000 4012 4020 4030 4101	GROSS ALPHA PHOTON EMITTE RADIUM-226 RADIUM-228 MAN-MADE BETA		9702311-01 NA NA NA NA	0.9 ± 1.5	EPA 900.0	02/24/97	1	83170

*(GROSS ALPHA GENERALLYONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

.

-

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(B) (PWS028)

ID Name (MCL µq/l) Number Result (µq/l) Method Date MDL ID 2378 1,2,4-TRICHLOROBENZENE (70) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 2380 CIS-1,2-DICHLOROETHYLENE (70) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 2955 XYLENES (TOTAL) (10,000) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 2964 DICHLOROMETHANE (5) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 2968 O-DICHLOROBENZENE (600) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 2976 VINYL CHLOROBENZENE (7) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 2977 1,1-DICHLOROETHYLENE (7) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 2980 1,2-DICHLOROETHANE (3)	Param	Parameter			Analysis	Analysis	Analysis		Lab
2380CIS-1,2-DICHLOROETHYLENE(70)10469-010.2 UEPA 502.203/04/970.2842692955XYLENES (TOTAL)(10,000)10469-010.5 UEPA 502.203/04/970.5842692964DICHLOROMETHANE(5)10469-010.5 UEPA 502.203/04/970.5842692968O-DICHLOROBENZENE(600)10469-010.5 UEPA 502.203/04/970.5842692969PARA-DICHLOROBENZENE(75)10469-010.5 UEPA 502.203/04/970.5842692976VINYL CHLORIDE(1)10469-010.5 UEPA 502.203/04/970.58426929771,1-DICHLOROETHYLENE(7)10469-010.5 UEPA 502.203/04/970.5842692977TRANS-1,2-DICHLOROETHYLENE(100)10469-010.5 UEPA 502.203/04/970.58426929801,2-DICHLOROETHANE(3)10469-010.3 UEPA 502.203/04/970.38426929811,1,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROETHANE(3)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.38426929851,1,2-TRICHLOROE	<u>ID</u>	Name	(MCL µg/I)	<u>Number</u>	<u>Result (µg/l)</u>	Method	Date	<u>MDL</u>	Ш
2380CIS-1,2-DICHLOROETHYLENE(70)10469-010.2 UEPA 502.203/04/970.2842692955XYLENES (TOTAL)(10,000)10469-010.5 UEPA 502.203/04/970.5842692964DICHLOROMETHANE(5)10469-010.5 UEPA 502.203/04/970.5842692968O-DICHLOROBENZENE(600)10469-010.5 UEPA 502.203/04/970.5842692969PARA-DICHLOROBENZENE(75)10469-010.5 UEPA 502.203/04/970.5842692976VINYL CHLORIDE(1)10469-010.5 UEPA 502.203/04/970.58426929771,1-DICHLOROETHYLENE(7)10469-010.5 UEPA 502.203/04/970.5842692977TRANS-1,2-DICHLOROETHYLENE(100)10469-010.5 UEPA 502.203/04/970.58426929801,2-DICHLOROETHANE(3)10469-010.3 UEPA 502.203/04/970.38426929811,1,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROETHANE(3)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.38426929851,1,2-TRICHLOROE									
2955XYLENES (TOTAL)(10,000)10469-010.5 UEPA 502.203/04/970.5842692964DICHLOROMETHANE(5)10469-010.5 UEPA 502.203/04/970.5842692968O-DICHLOROBENZENE(600)10469-010.5 UEPA 502.203/04/970.5842692969PARA-DICHLOROBENZENE(75)10469-010.5 UEPA 502.203/04/970.5842692976VINYL CHLORIDE(1)10469-010.5 UEPA 502.203/04/970.58426929771,1-DICHLOROETHYLENE(7)10469-010.5 UEPA 502.203/04/970.5842692979TRANS-1,2-DICHLOROETHYLENE(3)10469-010.5 UEPA 502.203/04/970.58426929801,2-DICHLOROETHANE(3)10469-010.3 UEPA 502.203/04/970.38426929811,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.3842692982CARBON TETRACHLORIDE(3)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.38426929851,1,2-TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.38426929851,1,2-TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.38426929851,	2378	1,2,4-TRICHLOROBENZENE	: (70)	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2964DICHLOROMETHANE(5)10469-010.5 UEPA 502.203/04/970.5842692968O-DICHLOROBENZENE(600)10469-010.5 UEPA 502.203/04/970.5842692969PARA-DICHLOROBENZENE(75)10469-010.5 UEPA 502.203/04/970.5842692976VINYL CHLORIDE(1)10469-010.5 UEPA 502.203/04/970.58426929771,1-DICHLOROETHYLENE(7)10469-010.5 UEPA 502.203/04/970.5842692979TRANS-1,2-DICHLOROETHYLENE(7)10469-010.5 UEPA 502.203/04/970.58426929801,2-DICHLOROETHANE(3)10469-010.2 UEPA 502.203/04/970.38426929811,1,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.38426929811,1,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.3842692982CARBON TETRACHLORIDE(3)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROPRANE(5)10469-010.3 UEPA 502.203/04/970.38426929851,1,2-TRICHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.38426929851,1,2-TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.3842692985	2380	CIS-1,2-DICHLOROETHYLE	NE (70)	10469-01	0.2 U	EPA 502.2	03/04/97	0.2	84269
2968O-DICHLOROBENZENE(600)10469-010.5 UEPA 502.203/04/970.5842692969PARA-DICHLOROBENZENE(75)10469-010.5 UEPA 502.203/04/970.5842692976VINYL CHLORIDE(1)10469-010.5 UEPA 502.203/04/970.58426929771,1-DICHLOROETHYLENE(7)10469-010.5 UEPA 502.203/04/970.5842692979TRANS-1,2-DICHLOROETHYLENE(100)10469-010.5 UEPA 502.203/04/970.58426929801,2-DICHLOROETHANE(3)10469-010.2 UEPA 502.203/04/970.28426929811,1,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.3842692982CARBON TETRACHLORIDE(3)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROPROPANE(5)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.38426929851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.28426929851,1,2-TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.2842692987TETRACHLOROETHYLENE(3)10469-010.5 UEPA 502.203/04/970.5842692987TETRACHLO	2955	XYLENES (TOTAL)	(10,000)	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2969PARA-DICHLOROBENZENE(75)10469-010.5 UEPA 502.203/04/970.5842692976VINYL CHLORIDE(1)10469-010.5 UEPA 502.203/04/970.58426929771,1-DICHLOROETHYLENE(7)10469-010.5 UEPA 502.203/04/970.5842692979TRANS-1,2-DICHLOROETHYLENE(100)10469-010.5 UEPA 502.203/04/970.58426929801,2-DICHLOROETHANE(3)10469-010.2 UEPA 502.203/04/970.28426929811,1,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.3842692982CARBON TETRACHLORIDE(3)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROPROPANE(5)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.28426929851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.3842692987TETRACHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.2842692989MONOCHLOROBENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692990BENZENE(1)10469-010.5 UEPA 502.203/04/970.5842692991TOLUENE(1)<	2964	DICHLOROMETHANE	(5)	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2976VINYL CHLORIDE(1)10469-010.5 UEPA 502.203/04/970.58426929771,1-DICHLOROETHYLENE(7)10469-010.5 UEPA 502.203/04/970.5842692979TRANS-1,2-DICHLOROETHYLENE(100)10469-010.5 UEPA 502.203/04/970.58426929801,2-DICHLOROETHANE(3)10469-010.2 UEPA 502.203/04/970.28426929811,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.3842692982CARBON TETRACHLORIDE(3)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROPROPANE(5)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.28426929851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.38426929851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.3842692987TETRACHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.2842692989MONOCHLOROBENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692989BENZENE(1)10469-010.5 UEPA 502.203/04/970.5842692990BENZENE(1) <td< td=""><td>2968</td><td>O-DICHLOROBENZENE</td><td>(600)</td><td>10469-01</td><td>0.5 U</td><td>EPA 502.2</td><td>03/04/97</td><td>0.5</td><td>84269</td></td<>	2968	O-DICHLOROBENZENE	(600)	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
29771,1-DICHLOROETHYLENE(7)10469-010.5 UEPA 502.203/04/970.5842692979TRANS-1,2-DICHLOROETHYLENE(100)10469-010.5 UEPA 502.203/04/970.58426929801,2-DICHLOROETHANE(3)10469-010.2 UEPA 502.203/04/970.28426929811,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.3842692982CARBON TETRACHLORIDE(3)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROPROPANE(5)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.28426929851,1,2-TRICHLOROETHANE(5)10469-010.2 UEPA 502.203/04/970.38426929851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.3842692987TETRACHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.2842692989MONOCHLOROBENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692990BENZENE(1)10469-010.5 UEPA 502.203/04/970.5842692991TOLUENE(1,000)10469-010.5 UEPA 502.203/04/970.5842692992ETHYLBENZENE(700) <td>2969</td> <td></td> <td>(75)</td> <td>10469-01</td> <td>0.5 U</td> <td>EPA 502.2</td> <td>03/04/97</td> <td>0.5</td> <td>84269</td>	2969		(75)	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2979TRANS-1,2-DICHLOROETHYLENE(100)10469-010.5 UEPA 502.203/04/970.58426929801,2-DICHLOROETHANE(3)10469-010.2 UEPA 502.203/04/970.28426929811,1,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.3842692982CARBON TETRACHLORIDE(3)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROPROPANE(5)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.38426929851,1,2-TRICHLOROETHANE(5)10469-010.2 UEPA 502.203/04/970.28426929851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.3842692987TETRACHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.2842692987TETRACHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.5842692989MONOCHLOROBENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692990BENZENE(1)10469-010.5 UEPA 502.203/04/970.5842692991TOLUENE(1,000)10469-010.5 UEPA 502.203/04/970.5842692992ETHYLBENZENE(700) <td>2976</td> <td>VINYL CHLORIDE</td> <td>(1)</td> <td>10469-01</td> <td>0.5 U</td> <td>EPA 502.2</td> <td>03/04/97</td> <td>0.5</td> <td>84269</td>	2976	VINYL CHLORIDE	(1)	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
29801,2-DICHLOROETHANE(3)10469-010.2 UEPA 502.203/04/970.28426929811,1,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.3842692982CARBON TETRACHLORIDE(3)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROPROPANE(5)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.38426929851,1,2-TRICHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.28426929851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.3842692987TETRACHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.3842692989MONOCHLOROBENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692990BENZENE(1)10469-010.5 UEPA 502.203/04/970.5842692991TOLUENE(1,000)10469-010.5 UEPA 502.203/04/970.5842692992ETHYLBENZENE(700)10469-010.5 UEPA 502.203/04/970.584269		-		10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
29811,1,1-TRICHLOROETHANE(200)10469-010.3 UEPA 502.203/04/970.3842692982CARBON TETRACHLORIDE(3)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROPROPANE(5)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.28426929851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.2842692987TETRACHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.3842692987TETRACHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.2842692989MONOCHLOROBENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692990BENZENE(1)10469-010.5 UEPA 502.203/04/970.5842692991TOLUENE(1,000)10469-010.5 UEPA 502.203/04/970.5842692992ETHYLBENZENE(700)10469-010.5 UEPA 502.203/04/970.584269		TRANS-1,2-DICHLOROETH	YLENE(100)	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2982CARBON TETRACHLORIDE(3)10469-010.3 UEPA 502.203/04/970.38426929831,2-DICHLOROPROPANE(5)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.28426929851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.2842692987TETRACHLOROETHYLENE(3)10469-010.3 UEPA 502.203/04/970.3842692987TETRACHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.2842692989MONOCHLOROBENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692990BENZENE(1)10469-010.5 UEPA 502.203/04/970.5842692991TOLUENE(1,000)10469-010.5 UEPA 502.203/04/970.5842692992ETHYLBENZENE(700)10469-010.5 UEPA 502.203/04/970.584269	2980	1,2-DICHLOROETHANE	(3)	10469-01	0.2 U	EPA 502.2	03/04/97	0.2	84269
29831,2-DICHLOROPROPANE(5)10469-010.3 UEPA 502.203/04/970.3842692984TRICHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.28426929851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.3842692987TETRACHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.3842692987TETRACHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.2842692989MONOCHLOROBENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692990BENZENE(1)10469-010.5 UEPA 502.203/04/970.5842692991TOLUENE(1,000)10469-010.5 UEPA 502.203/04/970.5842692992ETHYLBENZENE(700)10469-010.5 UEPA 502.203/04/970.584269		1,1,1-TRICHLOROETHANE	(200)	10469-01	0.3 U	EPA 502.2	03/04/97	0.3	84269
2984TRICHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.28426929851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.3842692987TETRACHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.2842692989MONOCHLOROBENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692990BENZENE(1)10469-010.5 UEPA 502.203/04/970.5842692991TOLUENE(1)10469-010.5 UEPA 502.203/04/970.5842692992ETHYLBENZENE(700)10469-010.5 UEPA 502.203/04/970.584269		CARBON TETRACHLORIDE	(3)	10469-01	0.3 U	EPA 502.2	03/04/97	0.3	84269
29851,1,2-TRICHLOROETHANE(5)10469-010.3 UEPA 502.203/04/970.3842692987TETRACHLOROETHYLENE(3)10469-010.2 UEPA 502.203/04/970.2842692989MONOCHLOROBENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692990BENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692991TOLUENE(1)10469-010.5 UEPA 502.203/04/970.5842692992ETHYLBENZENE(700)10469-010.5 UEPA 502.203/04/970.584269		-		10469-01		EPA 502.2	03/04/97	0.3	84269
2987 TETRACHLOROETHYLENE (3) 10469-01 0.2 U EPA 502.2 03/04/97 0.2 84269 2989 MONOCHLOROBENZENE (100) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 2990 BENZENE (1) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 2991 TOLUENE (1) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 2991 TOLUENE (1,000) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 2992 ETHYLBENZENE (700) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269				10469-01	0.2 U	EPA 502.2	03/04/97	0.2	84269
2989MONOCHLOROBENZENE(100)10469-010.5 UEPA 502.203/04/970.5842692990BENZENE(1)10469-010.5 UEPA 502.203/04/970.5842692991TOLUENE(1,000)10469-010.5 UEPA 502.203/04/970.5842692992ETHYLBENZENE(700)10469-010.5 UEPA 502.203/04/970.584269		1,1,2-TRICHLOROETHANE	(5)	10469-01	0.3 U	EPA 502.2	03/04/97	0.3	84269
2990BENZENE(1)10469-010.5 UEPA 502.203/04/970.5842692991TOLUENE(1,000)10469-010.5 UEPA 502.203/04/970.5842692992ETHYLBENZENE(700)10469-010.5 UEPA 502.203/04/970.584269							03/04/97		-
2991 TOLUENE (1,000) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269 °992 ETHYLBENZENE (700) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269			(100)				03/04/97	0.5	
² 992 ETHYLBENZENE (700) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269						-	03/04/97	0.5	
		TOLUENE			0.5 U	EPA 502.2	03/04/97	0.5	
J96 STYRENE (100) 10469-01 0.5 U EPA 502.2 03/04/97 0.5 84269		_	• •	10469-01			03/04/97		
	396	STYRENE	(100)	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

. .

_			- ['] ·					
Param			Sample	Analysis	Analysis	Analysis		Lab
<u>[]</u>	<u>Name</u>	(MCL <u>µ</u> q/l)	<u>Number</u>	Result (µg/l)	<u>Method</u>	<u>Date</u>	<u>MDL</u>	<u>ID</u>
2005	ENDRIN	(2)	10469-01	0.01 U	EPA 508	02/28/97	0.01	84269
2010	LINDANE	(.2)	10469-01	0.01 U	EPA 508	02/28/97	0.01	84269
2015	METHOXYCHLOR	(40)	10469-01	0.02 U	EPA 508	02/28/97	0.02	84269
2020	TOXAPHENE	(3)	10469-01	0.2 U	EPA 508	02/28/97	0.2	84269
2031	DALAPON	(200)	10469-01	1 U	EPA 515.1	02/26/97	1	84269
2032	DIQUAT	(20)	10469-01	1 U	EPA 549.1	02/25/97	4	84269
2033	ENDOTHALL	(100)	10469-01	10 U	EPA 548	02/26/97	10	84269
2034	GLYPHOSATE	(700)	10469-01	10 U	EPA 547	03/03/97	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	10469-01	1 U	EPA 506	02/28/97	1	84269
2036	OXAMYL (VYDATE)	(200)	10469-01	0.5 U	EPA 531.1	03/06/97	0.5	84269
2037	SIMAZINE	(4)	10469-01	0.1 Ư	EPA 507	02/28/97	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALATE		10469-01	1 U	EPA 506	02/28/97	1	84269
2040	PICLORAM	(500)	10469-01	0.2 U	EPA 515.1	02/26/97	0.2	84269
2041	DINOSEB	(7)	10469-01	0.2 U	EPA 515.1	02/26/97	0.2	84269
2042	HEXACHLOROCYCLOPENTADIE		10469-01	0.1 U	EPA 505	02/26/97	0.1	84269
2046	CARBOFURAN	(40)	10469-01	0.5 U	EPA 531.1	03/06/97	0.5	84269
2050	ATRAZINE	(3)	10469-01	0.1 U	EPA 507	02/28/97	0.1	84269
2051	ALACHLOR	(2)	10469-01	0.3 U	EPA 507	02/28/97	0.3	84269
2065	HEPTACHLOR	(.4)	10469-01	0.01 U	EPA 508	02/28/97	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	10469-01	0.01 U	EPA 508	02/28/97	0.01	84269
2105	2,4-D	(70)	10469-01	0.5 U	EPA 515.1	02/26/97	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	10469-01	0.05 U	EPA 515.1	02/26/97	0.05	84269
274	HEXACHLOROBENZENE	(1)	10469-01	0.01 U	EPA 508	02/28/97	0.01	84269
2306	BENZO(A)PYRENE	(.2)	10469-01	0.01 U	EPA 550	02/28/97	0.01	84269
2326	PENTACHLOROPHENOL	(1)	10469-01	0.05 U	EPA 515.1	02/26/97	0.05	84269
2383	PCB	(.5)	10469-01	0.05 U	EPA 508	02/28/97	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	10469-01	0.005 U	EPA 504.1	03/03/97	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	10469-01	0.005 U	EPA 504.1	03/03/97	0.005	84269
2959	CHLORDANE	(2)	10469-01	0.05 U	EPA 508	02/28/97	0.05	84269
		• •						

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param	eter		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	Name	(MCL µg/l)	<u>Number</u>	<u>Result (µg/i)</u>	Method	<u>Date</u>	<u>MDL</u>	ID
2021	CARBARYL		10469-01	0.5 U	EPA 531.1	03/06/97	0.5	84269
2022	METHOMYL		10469-01	0.5 U	EPA 531.1	03/06/97	0.5	84269
2043	ALOICARB SULFOXIDE		10469-01	0.5 U	EPA 531.1	03/06/97	0.5	84269
2044	ALDICARB SULFONE		10469-01	0.5 U	EPA 531.1	03/06/97	0.5	84269
2045	METOLACHLOR		10469-01	0.3 U	EPA 507	02/28/97	0,3	84269
2047	ALDICARB		10469-01	0.5 U	EPA 531.1	03/06/97	0.5	84269
2066	3-Hydroxycarbofuran		10469-01	0.5 U	EPA 531.1	03/06/97	0.5	84269
2077	PROPACHLOR		10469-01	0.05 U	EPA 508	02/28/97	0.05	84269
2356	ALDRIN		10469-01	0.01 U	EPA 508	02/28/97	0.01	84269
2364	DIELDRIN		10469-01	0.01 U	EPA 508	02/28/97	0.01	84269
2440	DICAMBA		10469-01	0.05 U	EPA 515,1	02/28/97	0.05	84269
2595	METRIBUZIN		10469-01	0.2 U	EPA 507	02/28/97	0.2	84269

J - Analyte was not detected; indicated concentration is method detection limit.

K - Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor.

¹ - Reduced sample volume used for analysis due to interference from sediment.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

. ·

Param	neter <u>Name (MCL µg/I)</u>	Sample <u>Number</u>	Analysis <u>Result (µg/I)</u>	Analysis Method	Analysis Data		Lab
<u>ID</u>		Number	Mesult (µq/I)	Method	<u>Date</u>	MDL	<u>ID</u>
2210	CHLOROMETHANE	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2212	DICHLORODIFLUOROMETHANE	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2214	BROMOMETHANE	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2216	CHLOROETHANE	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2218	TRICHLOROFLUOROMETHANE	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2408	DIBROMOMETHANE	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2410	1,1-DICHLOROPROPYLENE	10469-01	0.3 U	EPA 502.2	03/04/97	0.3	84269
2412	1,3-DICHLOROPROPANE	10469-01	0.3 U	EPA 502.2	03/04/97	0.3	84269
2413	1,3-DICHLOROPROPENE	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	10469-01	0.3 U	EPA 502.2	03/04/97	0.3	84269
2416	2,2-DICHLOROPROPANE	10469-01	0.3 U	EPA 502.2	03/04/97	0.3	84269
2941	Chloroform	10469-01	0.2 U	EPA 502.2	03/04/97	0.2	84269
2942	BROMOFORM	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2943	BROMODICHLOROMETHANE	10469-01	0.3 U	EPA 502.2	03/04/97	0.3	84269
2944	DIBROMOCHLOROMETHANE	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2965	O-CHLOROTOLUENE	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2966	P-CHLOROTOLUENE	10469-01	0.5 U	EPA 502,2	03/04/97	0.5	84269
2967	M-DICHLOROBENZENE	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269
2978°	1,1-DICHLOROETHANE	10469-01	0.3 U	EPA 502.2	03/04/97	0.3	84269
986	1,1,1,2-TETRACHLOROETHANE	10469-01	0.3 U	EPA 502.2	03/04/97	0.3	84269
2988	1,1,2,2-TETRACHLOROETHANE	10469-01	0.3 U	EPA 502.2	03/04/97	0.3	84269
2993	BROMOBENZENE	10469-01	0.5 U	EPA 502.2	03/04/97	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param	eter	Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>ID</u>	<u>Name (MCL µg/l)</u>	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	<u>Date</u>		<u>ID</u>
2262 2270 2282 2284 2290 2294 9089 9108* 9112*	ISOPHORONE 2,4-DINITROTOLUENE DIMETHYLPHTHALATE DIETHYLPHTHALATE DI-N-BUTYLPHTHALATE BUTYL BENZYL PHTHALATE DIOCTYLPHTHALATE 2-CHLOROPHENOL 2-METHYL-4,6-DINITROPHENOL	10469-01 10469-01 10469-01 10469-01 10469-01 10469-01 10469-01 10469-01	1 U 1 U 1 U 1 U 1 U 1 U 1 U 5 U 20 U	EPA 609 EPA 609 EPA 506 EPA 506 EPA 506 EPA 506 EPA 506 EPA 506 EPA 604 EPA 604	02/28/97 02/28/97 02/28/97 02/28/97 02/28/97 02/28/97 02/28/97 02/28/97 02/28/97	1 1 1 1 1 1 5 20	84269 84269 84269 84269 84269 84269 84269 84269 84269 84269
9115*	Phenol	10469-01	5 U	EPA 604	02/28/97	5	84269
9116*	2,4,6-Trichlorophenol	10469-01	10 U	EPA 604	02/28/97	10	84269

	STEM INFORMATION		1. D. #:
	m Beach County Water Utility SRV		
Address: 12751 Ha	gen Ranch Road, Boynton Bo		Phone #: (561) 499-0163
Type (check one):	() Community () Non:	transient Noncommunity	() Nancommunity
SAMPLE INFORMA	TION		95
Sample Date (MMD	DYM <u>: 05/23/97</u> Sample	n Time: <u>1506</u>	F
Sample Location:	Well #18, Southern Recionianal	Wastswater Treatment Plani	· · · · · · · · · · · · · ·
Sampler Name and	Phone: RErisco	·	(581) 233-1353
Samplers Signature	· loullines_		Title: Laboratory Technicia
	() Distribution () Recheck () Clearance () Thm Ma () Distrib entry pt (x) Raw	v Ras Time () Plant Tap	of Lab invelidated Sample e of Multiple Sitas
LABORATORY CE	RTIFICATION INFORMATION		
Lab Name: Paim B	each County Water Utility	HRS # <u>56259</u>	Expiration Date: 06/20/97
Address: 3421 Wild	ter Avenue West Palm	Beach, Florida, 33400	Phone #:
Subcontracted Lab	HRS≇ <u>N/A</u>		
ANALYSIS INFORM	MATION SAMPLE NUMBER:	A805477	
Date Sample(s) Red	caived: 05/23/97		
Group(s) Analyzed	& Results attached for compliance	with 62-551, F.A.C.:	
() Nitrate Oniy) () Nitrite Only	() Aabestos Only	() Trihalomethanes
Inorganics	Volatile Organics-	Secondaries-	Paslicidas / PCBs () Ali 30
() Ait 17 () Partial	(x) Ali 21 () Parliai	() Ail 14 () Partial	() Partial
Group I	Group II	Group III	Rediochemicals-
Unregulateds-	Unregulateds-	Unregulateds () All 11	() Single Sample () Qidy Composite
() All 13 () Partial	() Ali 23 () Partial	() Partial	() day composite
()rainer .	••	Y that all attached analytical d	nta are confect.
	20 NEKEDI VERTIN	CITES ON MANDOLLES STORY	
I, Jave Neveni	The stars	·	
i, <u>Jave Nevani</u> Signature:	Theya Nave	<u>`</u>	0.97
_	Laboratory Manager	Dat <u>e: 5.6</u>	28-97
Signature:	Laboratory Manager	Date: 5.6	
Signature: Title: COMPLIANCE INF	Laboratory Manager	Date: 5 · 6 Sample Analy	sis Salisfactory:
Signature: Title: COMPLIANCE INF Sample Collection :	Laboratory Manager	Date : 5 · 6 Date : 5 · 6 Sample Analy: Reason:	sis Salisfactory:
Signature: Title: COMPLIANCE INF Sample Collection Resample Request	Laboretory Manager	Date: 5 · 6 Date: 5 · 6 Sample Analy: Reason: Oate cellifie de	sis Salisfactory:
Signature: Title: COMPLIANCE INF Sample Collection : Resample Request Person notified to r	Laboratory Manager	Date : 5 · 5 Date : 5 · 5 Sample Analyr Reason: Date notified:	sis Salisfactory:
Signature: Title: COMPLIANCE INF Sample Collection : Resample Request Person notified to r	Age Nawe Laboratory Manager ORMATION Satisfactory: Laboratory:	Date : 5 . 5 Date : 5 . 5 Sample Analy: Reason: Date notified: Post-it [*] brand fex in	ansmittai memo 7671 / of per
Signature: Title: COMPLIANCE INF Sample Collection Resample Request Person notified to r	Age Nawe Laboratory Manager ORMATION Satisfactory: Laboratory:	Date : 5 . 6 Sample Analy: Reason: Date notified: Post-It [®] brand fex in T [®] BAR T = 100	ansmittal memo 7671 #of peg
Signature: Title: COMPLIANCE INF Sample Collection Resample Request Person notified to r	Age Nawe Laboratory Manager ORMATION Satisfactory: Laboratory:	Date : 5 . 5 Date : 5 . 5 Sample Analy: Reason: Date notified: Post-it [*] brand fex in	ansmittal memo 7671 #of peg

.

-

#925 P02

.

MAY-29-197 THU 08:17 ID:PBCWUD - ENGINEERING TEL ND:427 641-3447 PALM BEACH COUNTY WATER UTILITIES DEPARTMENT SRWWTP VOLATILE ORGANIC ANALYSIS 62-551.310(2) (b) (FW\$025)

Pacameter ID NAME	Sample Number A20	Location Code	Anaiysis Resull(ug/L)	Analytical Məthod	Detaction Limit (Ug/L)	Analysis Dale
2378 1,2,4-trichlorobenzene	5477	Weii #13	< 0.5	502.2	0.5	05/24/97
2380 Cis-1,2-dichlorcethylene	5477	Weil #18	<0.5	502.2	0.5	05/2-9/97
2955 Xylenes (total)	5477	Well #13	< 0.5	502.2	0.5	05/24/97
2964 Dichloromelhane	5477	Well #18	< 0.5	502.2	0.5	05/24/97
2968 O-dichlorobenzane	5477		< 0.5.	502.2	0.5	05/24/97
2969 Para-dichiorobenzene		\ve:!#18	< 0.5	502.2	0.5	05/24/97
2978 Vinyt chlorida	5477	Weii #18	< 0.5	602.2	0.5	05/24/97
2977 1,1-dichioroethylens	5477	Weil #18	< 0.5	502.2	0,5	05/24/97
2979 Trans-1,2-dichioroathana	5477	Well #18	< 0.5	502.2	0.5	05/24/97
	5477	Well #18	< 0.5	502.2	0.5	05/24/97
2980 1,2-dichlorcethane	<u> </u>	vvei #18	< 0.5	502.2	0.5	05/24/97
2981 1,1,1-trichloroethane	<u>5477</u>	Well #15	< 0.5	502.2	0.5	05/24/97
2982 Carbon tetrachionide		······	< 0.5	502.2	0.5	05/24/97
2983 1,2-dichloropropana	5477	Well #18		502.2	0.5	95/24/97
2984 Trichloroethylene	6477	81# IleW	<0.5	302.2	· · · · · ·	
2985 1.1.2-Irichloroethane		Well #13	< 0.5	502.2	0.5	05/24/97
2987 Tetrachioroathylene	5477	<u>81# 6=W</u>	< 0.5	502.2	0.5	05/24/97
2989 Monochlorobenzene	5477	Weil #18	< 0.5	502.2	0.5	05/24/97
2990 Banzene	5477	Well #18	< 0.5	502,2	0.5	05/24/97
2991 Toluenc	5477	Well #18	< 0.5	502.2	0.5	05/24/97
2002 Ethylbenzene	5477	Well #18	< 0.5	502.2	0.5	05/24/97
2998 Styrene	5477	Well #16	< 0.5	502.2	0.5	05/24/97

COMMENTS:

.

.

.

Page 2 of 2

1407888521 EMUIRODVNE INC.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

April 8, 1997 Report: 9703000230 Sample No: 9703000230 1

Attention: Bart Ziegler

Project: PBCWF Expansion 12751 Hagen Ranch Road – Boynton Beach, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: 909A TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL UNITS	DATE SAMPLED	DATE ANALYZED	ANALYST
SR #17 Prod Well:Day-1 AM	Absent	1 CFU/100 ml	03/23/97	03/25/97	AMB
SR #17 Prod Well:Day-1 PM	Absent	1 CFU/100 ml	03/23/97	03/25/97	АМВ
SR #17 Prod Well:Day-2 AM	Absent	1 CFU/100 ml	03/24/97	03/25/97	AMB
SR #17 Prod Well:Day-2 PM	Absent	1 CFU/100 ml	03/24/97	03/25/97	АМВ
SR #17 Prod Well:Day-3 AM	Absent	1 CFU/100 m!	03/25/97	03/26/97	DJC
SR #17 Prod Well:Day-3 PM	Absent -	1 CFU/100 ml	03/25/97	03/26/97	DJC
SR #17 Prod Well:Day-4 AM	Absent	1 CFU/100 ml	03/26/97	03/28/97	JMJ
SR #17 Prod Well:Day-4 PM	Absent	1 CFU/100 ml	03/26/97	03/28/97	JMJ
SR #17 Prod Well:Day-5 AM	Absent	1 CFU/100 ml	03/27/97	03/28/97	JMJ
SR #17 Prod Well:Day-5 PM	Absent	1 CFU/100 ml	03/27/97	03/28/97	JMJ
SR #17 Prod Weil:Day-6 AM	Absent	1 CFU/100 ml	03/28/97	03/29/97	нтg
SR #17 Prod Well:Day-6 PM	Absent	1 CFU/100 mf	03/28/97	03/29/97	HTG

Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. E35183 Laboratory Certification No. 86405

QA/QC Review CM-BDL=Below Detection Limit DL=Detection Limit

1

Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33437 551-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

April 8, 1997 Report: 9703000230 Sample No: 9703000230 13

Attentiou: Bart Ziegler

Project: PBCWF Expansion 12751 Hagen Ranch Road Boynton Beach, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: 909A TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL UNITS	DATE SAMPLED	DATE ANALYZED	ANALYST
SR #17 Prod Well:Day-7 AM	Absent	1 CFU/100 ml	03/29/97	03/30/97	HTG
SR #17 Prod Well:Day-7 PM	Absent	1 CFU/100 ml	03/29/97	03/30/97	HTG
SR #17 Prod Well:Day-8 AM	Absent	1 CFU/100 ml	03/31/97	04/02/97	HTG
SR #17 Prod Well:Day-8 PM	Absent	1 CFU/100 ml	03/31/97	04/02/97	HTG
SR #17 Prod Well:Day-9 AM	Absent	1 CFU/100 ml	04/01/97	04/02/97	HTG
SR #17 Prod Well:Day-9 PM	Absent	1 CFU/100 mI	04/01/97	04/02/97	HTG
SR#17 Prod Well:Day-10 AM	Absent	1 CFU/100 ml	04/02/97	04/03/97	HTG
SR#17 Prod Well:Day-10 PM	Absent	1 CFU/100 ml	04/02/97	04/03/97	HTG

cfu=colony forming units

The Water Analysis is ACCEPTABLE by health department standards for safe public drinking water, with regards to Coliform bacteria using EPA approved methods.

Analysis contained herein conform to EPA and DEP approved methods per Envirodyne Comprehensive Quality Assurance Plan No. 890041G. Additional Laboratory Certification numbers: E86006, 86408, E83079, E86240. All relevant quality assurance samples were within specified control limits unless otherwise stated.

had ALMAN

Michael Rentoumis President, Envirodyne, Inc.

Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. E36133 Laboratory Certification No. 86405

Truno

Oleg Minko, Ph.D. Quality Assurance Director

QA/QC Review BDL = Below Detection Limit DL=Derection Limit

Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

٠.

March 31, 1997 Report: 9703000191 Sample No: 9703000191 1

Attention: Bart Ziegler

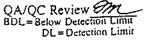
Project: PBCWF Expansion 12751 Hagen Ranch Road

Boynton Beach, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: 909A TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL UNITS	DATE SAMPLED	DATE ANALYZED	ANALYST
SR #18 Prod.Well:Day-1 AM	Absent	1 CFU/100 ml	03/18/97	03/20/97	АМВ
SR #18 Prod.Well:Day-1 PM	Absent	1 CFU/100 ml	03/18/97	03/20/97	AMB
SR #18 Prod.Well:Day-2 AM	Absent	1 CFU/100 ml	03/19/97	03/20/97	AMB
SR #18 Prod.Well:Day-2 PM	Absent	1 CFU/100 m!	03/19/97	03/20/97	АМВ
SR #18 Prod.Well:Day-3 AM	Absent	1 CFU/100 ml	03/20/97	03/22/97	DJC
SR #18 Prod.Well:Day-3 PM	Absent	1 CFU/100 ml	03/20/97	03/22/97	DJC
SR #18 Prod.Well:Day-4 AM	Absent	1 CFU/100 ml	03/21/97	03/22/97	DJC
SR #18 Prod.Well:Day-4 PM	Absent	1 CFU/100 ml	03/21/97	03/22/97	DJC
SR #18 Prod.Well:Day-5 AM	Absent	1 CFU/100 ml	03/22/97	03/25/97	AMB
SR #18 Prod.Well:Day-5 PM	Absent	1 CFU/100 ml	03/22/97	03/25/97	AMB
SR #18 Prod.Well:Day-6 AM	Absent	1 CFU/100 ml	03/23/97	03/25/97	AMB
SR #18 Prod.Well:Day-6 PM	Absent	1 CFU/100 ml	03/23/97	03/25/97	AMB



Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624 March 31, 1997 Report: 9703000191 Sample No: 9703000191 13

Attention: Bart Ziegler

Project: PBCWF Expansion 12751 Hagen Ranch Road Boynton Beach, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: 909A TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL UNITS	DATE SAMPLED	DATE ANALYZED	ANALYST
SR #18 Prod.Well:Day-7 AM	Absent	1 CFU/100 ml	03/24/97	03/25/97	AMB
SR #18 Prod.Well:Day-7 PM	Absent	1 CFU/100 ml	03/24/97	03/25/97	AMB
SR #18 Prod.Well:Day-8 AM	Absent	1 CFU/100 ml	03/25/97	03/26/97	DJC
SR #18 Prod.Well:Day-8 PM	Absent	1 CFU/100 ml	03/25/97	03/26/97	DJC
SR #18 Prod.Well:Day-9 AM	Absent	1 CFU/100 ml	03/26/97	03/28/97	JMJ
SR #18 Prod.Well:Day-9 PM	Absent	1 CFU/100 mI	03/26/97	03/28/97	JMJ
SR#18 Prod.Well:Day-10 AM	Absent	1 CFU/100 ml	03/27/97	03/28/97	JMJ
SR#18 Prod.Well:Day-10 PM	Absent	1 CFU/100 ml	03/27/97	03/28/97	JMJ

cfu = colony forming units

The Water Analysis is ACCEPTABLE by health department standards for safe public drinking water, with regards to Coliform bacteria using EPA approved methods.

Analysis contained herein conform to EPA and DEP approved methods per Envirodyne Comprehensive Quality Assurance Plan No. 890041G. Additional Laboratory Certification numbers: E86006, 86408, E83079, E86240. All relevant quality assurance samples were within specified control limits unless otherwise stated.

autorimes

Michael Rentoumis President, Envirodyne, Inc.

Oleg I. Winko, Ph.D. Quality Assurance Director

Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. E86188 Laboratory Certification No. 86405



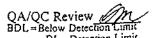
Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

2,3,7,8-Tertachlorodibenzo-p-dioxin	Absent	20 µg/L	DWK
PARAMETER	RESULT	DL UNITS	ANALYST
	8270/	A DIOXIN	
Date of Analysis: 04/03/97 Date of Extraction: 04/03/97			
SAMPLE ID: SR #15 Prod. Well	Collected	l by: Bart Ziegler	Collected on: 04/02/9 Received on: 04/02/9
Attention: Bart Ziegler	Project:	PBCWF Expansion 12751 Hagen Ranch Road	Boynton Beach, FL
South East Drilling 11505 N. Grady Avenue Tampa, FL 33624			April 4, 19 Report: 97040000 Sample No: 9704000034

.

× .



Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

April 4, 1997 Report: 9704000034 Sample No: 9704000034 2

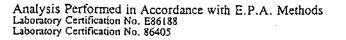
Attention: Bart Ziegler	PBCWF Expansion 12751 Hagen Ranch Road Boynton Beach, FL		
SAMPLE ID: SR #16 Prod. Well	Collected	l by: Bart Ziegler	Collected on: 04/02/97 Received on: 04/02/97
Date of Analysis: 04/03/97 Date of Extraction: 04/03/97			
	8270/	A DIOXIN	
PARAMETER	RESULT	DL UNITS	ANALYST
2,3,7,8-Tertachlorodibenzo-p-dioxin	Absent		DWK

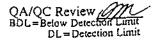
Analysis contained herein conform to EPA and DEP approved methods per Envirodyne Comprehensive Quality Assurance Plan No. 890041G. Additional Laboratory Certification numbers: E86006, 86408, E83079, E86240, South Carolina 96022. All relevant quality assurance samples were within specified control limits unless otherwise stated.

nicha antrum

Michael Rentoumis President, Envirodyne, Inc.

Oleg I. Minko, Ph.D. Quality Assurance Director





14079895225 ENVIROD THE INC. P& 1098011.2609 158701/10 APR 24-57 12:04

Envirodyne	Inc
------------	-----

Post-It* Fax Note 7671 Date L 24 ► 2 To anny From Co./Dept. Co, 97U# ne 1431 1225 Phone # Phone # Fax # Fax # 1997 0033

0033 Sample No: 9704000033 1

-

Attention: Bart Ziegler

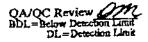
South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

Project: PBCWF Expansion 12751 Hagen Ranch Road Boynton Beach, FL

SAMPLE ID: SR #17 Prod. Well	Collected by: Bart Ziegler	Collected on: 04/02/97 Received on: 04/02/97
Date of Analysis: 04/08/97 Date of Extraction: 04/05/97		
	8270A DIOXIN	

PARAMETER	RESULT	DL UNITS	ANALYS'T	
2,3,7,8-Tertachlorodibenzo-p-dioxin	Absent	20 µg/L	DWK	

Analysis Performed in Accordance with E.P.A. Methods Laboratory Cartification No. E86188 Laboratory Certification No. 86405





South East Drilling

11505 N. Grady Avenue Tampa, FL 33624 4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

April 9, 1997 Report: 9704000033 Sample No: 9704000033 2

Attention: Bart Ziegler	Project:)	PBCWF Expansion 12751 Hagen Ranch Road	Boynton Beach, FL	
SAMPLE ID: SR #18 Prod. Well	Collected	l by: Bart Ziegler	Collected on: 04/02/97 Received on: 04/02/97	
Date of Analysis: 04/08/97 Date of Extraction: 04/05/97				
	8270/	A DIOXIN		
PARAMETER	RESULT	DL UNITS	ANALYST	
2,3,7,8-Tertachlorodibenzo-p-dioxin	Absent	20 µg/L	DWK	

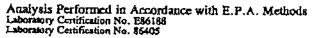
Analysis contained herein conform to EPA and DEP approved methods per Envirodyne Comprehensive Quality Assurance Plan No. 890041G. Additional Laboratory Certification numbers: E86006, 86408, E83079, E86240, South Carolina 96022. All relevant quality assurance samples were within specified control limits unless otherwise stated.

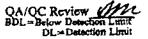
entoums Uhail

Michael Rentoumis President, Envirodyne, Inc.

an ro

Oleg (/Minko, Ph.D. Quality Assurance Director





System 3 Polo Trace

June 20, 1997

Mr. Bart Ziegler Southeast Drilling P.O. Box 271723 Tampa, FL 33688

Dear Mr. Ziegler:

Attached are the data reports for the following samples:

PPB Sample Number	Southern Analytical Number	PBS&J* Number	Site Name	Your Sample ID	Sample Date	Sample Time
146675	10943-1	9705312-1	Palm Beach Well Field	PT PW 13	05/21/97	1600
146676	10943-2	9705312-2	Palm Beach Well Field	PT PW 14	05/21/97	1530

*PBS&J = Post Buckley Schuh and Jernigan

If you have any questions concerning these reports, please contact me.

Sincerely,

2 Bern a

Paul Berman Project Manager

PLB:cms

Enclosures

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFOR	MATION (to be completed	by system or lab)	
System Name:			·····
Address:	y () Nontransient Nonca	Phone #: <u>(</u> mmunity i) Noncommunity	
SAMPLE INFORMATION (to be (
Sample Date (MMDDYY):/	/ Sample Time!		
Sample Location (be specific):	,		······································
Sampler Name and Phone:		·····	.()
Sempler's Signature:			_ Titla:
Check Type(s): () Distributio () Clearance () Distrib ent	() Thm Max	Res Time () Plant T	ple of Lab Invalidated Sample ap Sites-Attach a format for each site
		pisted by lab) – ATTACH HRS A	
		HRS #: <u>32282</u>	
Address 6821 SW Archer Ro	oed, Galnasville, FL 32503		Phone #: (352) 377-2349
Subcontracted Lab HRS # 83170	<u>, 82135, 84269, 82138</u> - ATT	ACH HRS ANALYTE SHEET FOR	SUBCONTRACTED LAB, TOO*
ANALYSIS INFORMATION (to b	a completed by lab) - SAM	PLE NUMBER: 146675	
Date Sample(s) Received: 05/	22/97 Group(s) Ar	alyzed & Results attached for com	pliance with 82-550, F.A.C.:
() Nitrate Only	() Nitrite Only	() Asbestos Only	(x) Trihalomethanas
Inorganics (_) Alt 17 (_x) Partiat	Volatila Organics- (x) Alt 21 (-) Pantal	Secondaries– (x)A⊡ 14 ()Pertial	Pesticida/PC8s− ()Al: 30 (x)Partial
Group I Unregulateds– () Ail 13 (x) Partial	Group II Unregulateds (x) All 23 () Partial	Group III Unregulateds– (x)All 11 ()Partial	Radiochemicals (x) Single Sample () Qtrly Composite**
		**Provide radiochemical sample	e dates & locations for each quarter
I, Paul Berma		, do HEREBY CERTIFY that all att.	ached analytical data are correct.
Signature Parl	Bern	<u></u>	
Title QA Officer			Date <u>6/20/97</u>
COMPLIANCE INFORMATION (M	o be completed by State)		
Sample Collection Satisfactory: _	{	Sample Analysis Satisfactory:	
Resample Requested for:		Reason:	······································
Person notified to resample:	···	Dete Notified:	· · · · · · · · · · · · · · · · · · ·
DEP/HRS Reviewing Official:			

*All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample. Effective January 1995 PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	eter		Sample	Analysis	Analysis	Analysis	MDL	Lab
<u>1D</u>	<u>Name</u>	(MCL mc/l)	Number	<u>Result (mg/l)</u>	Method	Date	<u>(mg/l)</u>	<u>ID</u>
1005	ARSENIC	(.05)	146675	0.001 U	SM 3113B	06/19/97	0.001	82282
1010	BARIUM	(2)	146675	0.040	EPA 200.7	06/17/97	0.001	82282
1015	CADMIUM	(.005)	146675	0.000‡ U	SM 31138	06/17/97	0.0001	82282
1020	CHROMIUM	(0.1)	146675	0.01 K	EPA 200.7	06/17/97	0.005	82282
1024	CYANIDE	(0.2)	146675	0.004 U	SM 4300CNE	06/03/97	0.004	82282
1025	FLUORIDE	(4)	146676	0.32	SM 4500FC	06/10/97	0.02	82282
1030	LEAD	(0.015)	146675	0.001 U	SM 31138	06/20/97	0.001	82282
1035	MERCURY	(0.002)	148675	0.0001 K	EPA 245.1	06/02/97		82282
1036	NICKEL	(0.1)	146675	0.030 U	EPA 200.7	06/17/97	0.030	82282
1040	NITRATE	(10)	146875	0.029	EPA 353.2	06/03/97		82282
1041	NITRITE	(1)	146675	0.004	EPA 353.2	05/22/97		82282
1045	SELENIUM	(0.05)	146675	0.002	SM 31138	06/18/97		82282
1052	SODIUM	(160)	146675	40.5	EPA 200.7	06/17/97	0.05	82282
1074	ANTIMONY	(0.006)	146675	0.003 U	SM 3113B	06/19/97	0.003	82282
1075	BERYLLIUM	(0.004)	146675	0.003 U	EPA 200.7	06/17/97	0.003	82282
1085	THALLIUM	(0.002)	146675	0.002 U	EPA 200.9	06/19/97	0.002	82282
1094	ASEESTOS	(7 MFĽ)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Parameter Sample Analysis* Analysis Analysis MDL	Lab
ID Name (MCL mg/l) Number Result (mg/l) Method Date (mg/l)	<u>10</u>
1002 ALUMINUM (0.2) 146675 0.1 K EPA 202.2 06/17/97 0.01	82282
1017 CHLORIDE (250) 146675 52 EPA 325.2 06/11/97 0.3	82282
1022 COPPER (1) 146675 0.01 U EPA 200,7 06/17/97 0.01	82282
1020 FLUORIDE (2.0) 146675 0.32 SM 4500FC 06/10/97 0.02	82282
1028 IRON (0.3) 146675 0.041 EPA 200.7 06/17/97 0.005	82282
1032 MANGANESE (0.05) 146675 0.02 K EPA 200,7 06/17/97 0.005	82282
1050 SILVER (0.1) 146675 0.0002 K SM 3113B 06/18/97 0.000	82282
1055 SULFATE (250) 146675 8 EPA 375.4 06/16/97 1	82282
1095 ZINC (5) 146675 0.005 EPA 200.7 06/17/97 0.004	82282
1905 COLOR (15-color units) 146875 60 SM 2120B 05/22/97 5	82282
1920 ODOR (3 threshold odor number) 146675 1 SM 2150B 05/22/97 1	82282
1925 PH (6.5-8.5) 146675 7.2 EPA 150,1 05/22/97	82282
1930 TOTAL DISSOLVED SOLIDS (500) 148875 420 SM 2540C 05/28/97 3	82282
2905 FOAMING AGENTS (0.5) 146675 0.025 U SM 5540C 05/23/97 0.025	82135

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value black than method detection limit.

 \boldsymbol{U} - Analyte was not detected; indicated concentration is method detection limit.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Paran ID	neter <u>Name</u>	(MCL pCi/l)	Sample <u>Number</u>	Analysis <u>Result (pCi/i)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	Error	Lab ID
4000 4012 4020 4030 4101	GROSS ALPHA Photon Emitt Radium-226 Radium-228 Man-made bet		9705312-1 NA NA NA NA	2.2 ± 1.7	EPA 900.0	05/23/97	1	83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC)

~

NA = NOT ANALYZED

Southern Analytical Project No. 10943 June 9, 1997

PPB No. 146675

TRIHALOMETHANE ANALYSIS 62-550.310(2)(a) (PWS027)

Parameter	Sampiə	Analyais	Analyt.	Analysis	MDL	Lab
I <u>D NAME (MCL mç/I)</u>	N <u>umber</u>	<u>Rasult (mɑ/i)</u>	<u>Malhod</u>	Date		ID
2950 Total THMs (0.10)	10943-01	0.0015 U	EPA 502.2	6/2/97	0.0015	8 4269

VOLATILE ORGANIC ANALYSIS 62-550.310(2) (b) (PWS028)

Paran ID	nətər NAME (MCL ug/l)	Sample <u>Number</u>	Analysis Fiaault (ug/l)	Analyt. <u>Nethod</u>	Anelysis Date	MDL	Lab ID
2378	1,2,4-Trichlorobenzene (70)	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2360	cls-1,2-Dichloroethene (70)	10943-01	0.2 U	EPA 502.2	6/2/97	0.2	84269
2955	Xylenes (Total) (10,000)	10943-01	0.5 U	EPA 502.2	6/ 2 /97	0.5	84269
2964	Dichloromethane (3)	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2968	a-Dichiarobenzene (600)	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2969	p-Dichlorebenzene (75)	10943-01	0.5 U	EPA 502.2	6/2/97	0,5	84269
2976	Vinyl chloride (1)	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2977	1,1-Dichloroethene (7)	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2979	trans-1,2-Dichloroethene (100)	10943-01	0.6 U	EPA 502.2	6/2/97	0.5	84269
2980	1,2-Dichloroethane (3)	10943-01	0.2 U	EPA 502.2	6/2/97	0.2	84269
2981	1,1,1-Trichloroethane (200)	10943-01	0.3 U	EPA 502.2	6/2/97	0.3	84269
2982	Carbon tetrachioride -(3)	10943-01	0.3 U	EPA 502.2	6/2/97	0.3	84269
2983	1,2-Dichloropropane (5)	10943-01	0.3 U	EPA 502.2	6/2/97	0.3	84269
2984	Trichloroethene (3)	10943-01	0.2 U	EPA 502.2	6/2/97	0.2	84269
2985	1,1,2-Trichlorcethane (5)	10943-01	0.3 U	EPA 502.2	6/2/97	0.3	84269
2987	Tetrachloroethene (3)	10943-01	0.2 U	EPA 502,2	6/2/97	0.2	84269
2989	Monochlorobenzene (100)	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2990	Benzene (1)	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2991	Toluene (1,000)	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2992	Ethylbenzene (700)	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2996	Styrene (100)	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269

U - Analyte was not detected; indicated concentration is method detection limit.

Southern Analytical Project Nc. 10943 June 9, 1997

PPB No. 146675

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2) (c) (PWS029)

Peren IQ	neter NAME (MCL.ug/I)	Sample Number	Analysis <u>Result (uo/l)</u>	Anelyt. <u>Method</u>	Analysis Date	MDL	Leb ID
2005	Endrin (2)	10943-01	0.01 U	EPA 508	6/28/97	0.01	84269
2010	Lindane (.2)	10943-01	0.01 U	EPA 508	5/28/97	0,01	8 4269
2015	Methoxychlor (40)	10943-01	0.02 U	EPA 508	5/28/97	0.02	84269
2020	Toxaphene (3)	10943-01	0.2 U	EPA 508	5/28/97	0.2	84269
2031	Dalapon (200)	10943-01	1 U	EPA 515.1	6/3/97	1	8426 9
2032	Diquat (20)	10943-01	10	EPA 549.1	5/27/97	1	84269
2033	Endothall (100)	10943-01	10 U	EPA 548.1	5/28/97	10	8 4269
2034	Glyphosate (700)	10943-01	10 U	EPA 547	5/23/97	10	84269
2035	Di(2-ethylhaxyl)adipata (400)	10943-01	1 U	EPA 506	5/28/97	1	84269
2036	Oxamyl (Vydate) (200)	10943-01	0.5 Ų	EPA 531.1	5/31/97	0.5	84269
2037	Simazine (4)	10943-01	0.1 U	EPA 507	5/28/97	0.1	84269
2039	Di(2-ethylhexyl)phthalate (6)	10943-01	10	EPA 506	5/28/97	t	84269
2040	Picloram (500)	10943-01	0.2 U	EPA 515.1	6/3/97	0.2	84269
2041	Dinoseb (7)	10943-01	0.2 U	EPA 515.1	6/3/97	0.2	84269
2042	Hexachlorocyclopentadiene (50)	10943-01	0.1 U	EPA 505	6/2/97	0.1	84269
2046	Carbofuran (40)	10943-01	0.5 U	EPA 531.1	5/31/97	0.5	84269
2050	Atrazine (3)	10943-01	0.1 U	EPA 507	5/28/97	0.1	84269
2051	Alachior (2)	10943-01	0.3 U	EPA 507	5/28/97	0.3	84269
2065	Heptachlor (.4)	10943-01	0.01 U	EPA 508	5/28/97	0.01	84269
2067	Heptachlor epoxide (.2)	10943-01	0.01 U	EPA 508	5/28/97	0.01	84269
2105	2,4-D (70)	10943-01	0.5 U	EPA 515.1	6/3/97	0.5	84269
2110	2,4,5-TP (Silvex) (50)	10943-01	0.05 U	EPA 515.1	6/3/97	0.05	84269
2274	Hexachlorcbenzene (1)	10943-01	0.01 U	EPA 508	5/28/97	0.01	84269
2306	Benzo(a)pyrene (.2)	10943-01	0.01 U	EPA 550	5/28/97	0.01	84269
2326	Pentachiorophenol (1)	10943-01	0.05 U	EPA 515.1	6/3/97	0.05	84269
2383	PCBs (.5)	10943-01	0.05 V	EPA 508	5/28/97	0.05	84269
2931	Dibromochloropropane (.2)	10943-01	0.005 U	EPA 504.1	5/31/97	0.005	84269
2946	Ethylene dibromide (.02)	10943-01	0.005 U	EPA 504.1	6/31/97	0.005	84269
2959	Chlordane (2)	10943-01	0.05 U	EPA 508	5/28/97	0.05	84269

U - Analyte was not detected; indicated concentration is method detection limit.

Southern Analytical Project No. 10943 June 9, 1997

PPB No. 146675

UNREGULATED GROUP LANALYSIS 62-550,405 (PWS035)

Paran IQ	notor NAME (MÇLug/I)	Sample <u>Number</u>	Analysis <u>Rəsult (uq/i)</u>	Analyt. <u>Method</u>	Analysis <u>Data</u>	MDL	Lab ID
2021	Carbaryi	10943-01	0.5 U	EPA 531,1	5/31/97	0.5	84269
2022	Methomyl	10943-01	0.5 U	EPA 531.1	5/31/97	0.5	84269
2043	Aldicarb sulfoxide	10943-01	0.5 U	EPA 531.1	5/31/97	0.5	84269
2044	Aldicarb sulfone	10943-01	0.5 U	EPA 531.1	5/31/97	0.5	84269
2045	Matelachlor	10943-01	0.3 U	EPA 507	5/28/97	0.3	84269
2047	Aldicarb	10943-01	0.5 U	EPA 531.1	5/31/97	0.5	84269
2066	3-Hydroxycarboluran	10943-01	0.5 U	EPA 531.1	5/31/97	0.5	84269
2076	Butachlor	10943-01	0.4 U	EPA 508	6/28/97	0.4	84269
2077	Propachior	10943-01	0.05 U	EPA 508	5/28/97	0.05	84269
2356	Aldrin	10943-01	0.01 U	EPA 508	5/28/97	0.01	84269
2364	Dleidrín	10943-01	0.01 U	EPA 508	5/28/97	0.01	84269
2440	Dicamba	10943-01	0.05 V	EPA 515.1	6/3/97	0.05	84269
2595	Mətribuzin	10943-01	0.2 U	EPA 507	5/28/97	0.2	84269

U - Analyte was not detected; indicated concentration is method detection limit.

~

Southern Analytical Project Nc. 10943 June 9, 1997

PPB No. 146675

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran ID	neter NAME (MCL ug/l)	Sample <u>Number</u>	Analysis <u>Result (49/1)</u>	Anslyt. <u>Msthod</u>	Analysis <u>Date</u>	MDL	Lab ID
2210	Chloromethane	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2212	Dichlorodifluoromethane	10943-01	0,6 U	EPA 502.2	6/2/97	0.5	84259
2214	Bromomethane	10943-01	0.5 U	EPA 502.2	8/2/97	0.5	84269
2216	Chlorcethane	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2218	Trichlorofluoromethane	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2251	Mathyl-tart-butyl-ether	10943-01	0,5 U	EPA 502.2	6/2/97	0.5	84269
2408	Dibromomethane	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2410	1,1-Dichleropropena	10943-01	0.3 U	EPA 502.2	6/2/97	0.3	84269
2412	1,3-Dichloropropane	10943-01	0.3 U	EPA 502,2	6/2/97	0.3	84269
2413	1,3-Dichloropropene	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2414	1,2,3-Trichlorepropane	10943-01	0.3 U	EPA 502.2	8/2/97	0.3	84269
2418	2,2-Dichloropropane	10943-01	0.3 U	EPA 502.2	6/2/97	0.3	84269
2941	Chloroform	10943-01	0.2 U	EPA 502.2	6/2/97	0.2	84269
2 94 2	Bromoform	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2943	Bromodichioromethane	10943-01	0.3 U	EPA 502.2	6/2/97	0.3	84269
2944	Dibromochloromethane	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2985	o-Chlorotoiuene	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2968	p-Chlorotoluene	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2967	m-Dichlorobenzene	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269
2978	1,1-Dichloroethane	10943-01	0.3 U	EPA 502.2	6/2/97	0.3	84269
2986	1,1,1,2-Tetrachkoroethane	10943-01	0.3 U	EPA 502.2	6/2/97	0.3	84269
2988	1,1,2,2-Tetrachloroethane	10943-01	0.3 U	EPA 502.2	6/2/97	0.3	84269
2993	Bromobenzene	10943-01	0.5 U	EPA 502.2	6/2/97	0.5	84269

U - Analyte was not detected; indicated concentration is method detection limit.

Southern Analytical Project No. 10943 June 9, 1997

PPB No. 146675

UNREGULATED GROUP III ANALYSIS 62-550.415 (PW8036 & 037*)

Param ID	wiar NAME (MCL ug/I)	Sampis <u>Number</u>	Analysis <u>Rosult (ug/l)</u>	Analyt. <u>Method</u>	Anaiysis Date	MDI.	Lab ID
2262	Isophorona	10943-01	tU	EPA 609	5/28/97	1	84269
2270	2,4-Dinitrotoluene	10943-01	t U	EPA 609	5/28/97	1	84269
2282	Dimethylphthalate	10943-01	τU	EPA 506	5/28/97	1	84269
2284	Disthylphthalate	10943-01	1 U	EPA 506	5/28/97	1	84269
2290	Di-n-butylphathalate	10943-01	1 U	EPA 508	5/28/97	i.	84269
2294	Butyl benzyl phthalate	10943-01	1 U	EPA 506	5/28/97	t	84269
9089	DI-n-octylphthalate	10943-01	1 U	EPA 506	5/28/97	1	84269
9108*	2-Chiorophenol	10943-01	5 U	EPA 604	5/28/97	5	84269
9112*	2-Mehtyl-4,6-dinitrophenol	10943-01	20 U	EPA 604	5/28/97	20	84269
9115*	Phenol	10943-01	5 U	EPA 604	5/28/97	5	84269
9116*	2,4,6-Trichlorophenol	10943-01	10 U	EPA 604	5/28/97	10	84269

U - Analyte was not detected; indicated concentration is method detection limit.

.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFOR	MATION (TO BE COMPLETED	BY SYSYCH CRIAB)	
SYSTEM NAME:	· · · · · · · · · · · · · · · · · · ·	1.D. 截	
ADDRESS:			<u>(</u>
TYPE (CHECK ONE)" () COMMUNITY	() NONTRANSIENT NONCOMM	HUNITY () NONCOMMUNITY	
SAMPLE INFORMATION (TO BE	COMPLETED BY SAMPLER)		
SAMPLE DATE (MMDDYY):/	/ SAMPLE TIME:		
SAMPLE LOCATION (BE SPECIFIC);	•····	······································	·····
SAMPLER NAME AND PHONE:			
SAMPLER'S SIGNATURE:	·····		TITLE:
CHECK TYPE(S): () DISTRIBUTIC () CLEARANCE () DISTRIB ENT	n () Recheck of () Thm Max Ri Ry Pt () Raw	MOL () RESAN ES TIME () PLANT () COMPOSITE OF MULTIPLE	IPLEOF LAB INVALIGATED ŞAMPLE Tap Sites-Attach a pormat for each site
LABORATORY CERTIFICATION	INFORMATION (TO BE COMP	LETED BY LAB) - ATTACH HRS A	NALYTE SHEET"
LAB NAME: PPB ENVIRONMENTAL L	ABORATORIES, INC.	HRS # _82282	
ADDRESS: 6821 SW ARCHER RO	AO, GAINESVILLE, FL. 32608		PHONE #: (352) 377-2349
SUBCONTRACTED LAS HRS #: <u>83170</u> ANALYSIS INFORMATION (10 BE DATE SAMPLE(S) RECEIVED: <u>05/22</u>	COMPLETED BY LAB) - SAME	LE NUMBER: 146675	
() NITRATE ONLY	() NITRITE ONLY	() ASSESTOS ONLY	(X) TRIHALOMETHANES
INORGANICS- () ALL 17 (X) PARTIAL	VOLATILE ORGANICS- (X) ALL 21 () PARTIAL	SECONDARIES- (X) ALL 14 (-) PARTIAL	PESTICIDE/PCBS () ALL 30 (X) PARTIAL
GROUP UNREGULATEDS- () ALL 13 (X) PARTIAL	GROUP II UNREGULATEDS- (X) ALL 23 () PARTIAL	GROUP III UNREGULATEOS- (X) ALL 11 (-) PARTIAL	
		**PROVIDE RADIOCHEMICAL SAMPLE	DATES & LOCATIONS FOR EACH QUARTER
I, PAUL BERMAN		EBY CERTIFY THAT ALL ATTACHED	
	D.Berman		
TITLE QA OFFICER			
COMPLIANCE INFORMATION (10			
SAMPLE COLLECTION SATISFACTORY:	,	HE FAMILYSIS SATISFACTORY	
RESAMPLE REGUESTED FOR:			
PERSON NOTIFIED TO REBAMPLE:			
DEP/HRS REVIEWING OFFICIAL:			

*ALL HRS LAB #S AND THEIR HRS ANALYTE SHEET FOR LABS PERFORMING THE ATTACHED WATER ANALYSES MUST BE PROVIDED. FAILURE TO CO 50 WILL RESULT IN REJECTION OF THE ANALYSES AND POSSIBLE ENFORCEMENT AGAINST THE PUBLIC WATER SYSTEM FOR FAILURE TO SAMPLE. EFFECTIVE JANUARY 1995 PPB Environmental Laboratories, Inc. + 6821 SW Archer Road + Gainesville, FL 32608 + (352) 377-2349

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

PARAM	ETER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS	MOL	LAB
<u>10</u>	<u>NAME</u>	(MCL MG/L)	<u>Number</u>	RESULT (MGAL)	<u>Method</u>	<u>Date</u>	<u>(MG/L)</u>	<u>ID</u>
1005	ARSENIC	(.05)	148878	0.001 U	SM 31138	06/19/97	0.001	82282
1010	BARIUM	(2)	146876	9.038	EPA 200.7	08/17/97	0.001	82282
1015	CADMIUM	(.005)	148676	0.9001 U	SM 3113B	06/17/97	0.0001	82282
1020	CHROMIUM	(0.1)	146676	0.01 K	EPA 200.7	08/17/97	0.005	82282
1024	ÇYANIDE	(0.2)	146676	0.004 U	SM 4500CNE	06/03/97	0.004	82282
1025	FEUORIDE	(4)	148678	0.29	SM 4500FC	06/10/97	0.02	82282
1030	LEAD	(0.015)	146676	0.001 U	SM 31138	08/20/97	0.001	82282
1035	MERCURY	(0.002)	148676	0.0001 K	EPA 245.1	08/02/97	0.00005	82282
1036	NICKEL	(0.1)	146676	0.030 U	EPA 200.7	06/17/97	0.030	82282
1040	NITRATE	(10)	146676	0.012	EPA 353.2	06/03/97	0.004	82282
1041	NITRITE	(1)	146676	0.004	EPA 353.2	05/22/97	0.003	82282
1045	SELENIUM	(0.05)	148676	0.001	SM 31138	06/18/97	0.001	82282
1052	SODIUM	(160)	148678	35.9	EPA 200.7	06/17/97	0.05	82282
1074	ANTIMONY	(0.006)	146676	0.003 U	SM 3113B	06/19/97	0.003	82282
1075	BERYLLIUM	(0.004)	146676	0.003 U	EPA 200.7	06/17/97	0.003	82282
1035	THALLIUM	(0.002)	146676	0.062 U	EPA 200.9	06/19/97	0.002	82282
1094	ASSESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

PARAM	ETER		SAMPLE	ANALYSIS"	ANALYSIS	ANALYSIS	MDL	LAB
ID	<u>Name</u>	(MCL MG/L)	NUMBER	RESULT (MG/L)	METHOD	DATE	<u>(MG/L)</u>	<u>ID</u>
1002	ALUMINUM	(0.2)	146676	0.015	EPA 200.7	06/17/97	0.01	82282
1017	CHLORIDE	(250)	146676	60	EPA 325.2	06/11/97	0.3	82282
1022	COPPER	(1)	146676	0.01 U	EPA 200.7	06/17/97	0.01	82282
1020	FLUORIDE	(2.0)	146676	0.29	SM 4500FC	06/10/97	0.02	82282
1028	IRON	(0.3)	146676	0.034	EPA 200.7	06/17/97	0.005	82282
1032	MANGANESE	(0.05)	146676	0.02 K	EPA 200.7	06/17/97	0.005	82282
1050	SILVER	(0.1)	146676	0.0002 K	SM 31138	06/18/97	0.0001	82282
1055	SULFATE	(250)	146676	5	EPA 375.4	06/16/97	1	82282
1095	ZINC	(5)	146676	0.005	EPA 200.7	06/17/97	0.004	82282
1905	COLOR	(15 COLOR UNITS)	146676	60	SM 21208	05/22/97	5	82282
1920	ODOR (3 THE	RESHOLD ODOR NUMBER)	146676	2	SM 21508	05/22/97	1	82282
1925	РH	(6.5-8.5)	146676	7.4	EPA 150.1	05/22/97		82282
1930	TOTAL DISSO	LVED SOLIDS (500)	146676	398	SM 2540C	05/28/97	3	82282
2905	FOAMING AGE	ENTS (0.5)	148676	0.025 U	SM 5540C	05/23/97	0.025	82135

*ALL RESULTS AND METHOD DETECTION LIMITS IN MG/L EXCEPT COLOR (PCU), ODOR (THRESHOLD ODOR NUMBER), AND PH (STANDARD UNITS).

K INDICATES ANALYTE IS LESS THAN VALUE INDICATED, WITH VALUE SSING GREATER THAN METHOD DETECTION LIMIT.

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

PPB Environmental Laboratories, Inc. + 6821 SW Archer Road + Gainesville, FL 32608 + (352) 377-2349

RADIOCHEMICAL ANALYSIS* 62-650.310(5) (PWS033)

Paran ID	IETER NAME	(MCL PCI/L)	SAMPLE <u>Number</u>	ANALYSIS <u>RESULT (PCI/L)</u>	ÁNALYSIS <u>Method</u>	Analysis <u>Date</u>	ERROR	LAS ID
4000 4012 4020 4030 4101 *(GRO	GROSS ALPHA PHOTON EMITTI RADIUM-226 RADIUM-228 MAN-MADE BET. SS ALPHA GENER	۹	9705312-2 NA NA NA NA IREMENT, SEE (1.1 ± 1.3 52-530.519. FAC	EPA 900.0	05/23/97	4	83170

NA = NOT ANALYZED

.

Southern Analytical Project No. 10943 June 9, 1997

PPB No. 146676

TRIHALOMETHANE ANALYSIS 62-550,310(2)(2) (PWS027)

Paran	neter	Samplə	Analysis	Analyt.	Analysis	MDL	Lab
ID	NAME (MCL mg/l)	<u>Numbər</u>	Result (mg/i)	<u>Method</u>	Date		ID
2950	Total THMs (0.10)	10943-02	0.0015 U	EPA 502.2	6/2/97	0.0015	84269

VOLATILE ORGANIC ANALYSIS 62-550.310(2) (b) (PWS028)

Parameter ID NAME (MCLug/I)		Samplə <u>Number</u>	Analysis Result (ug/i)	Analyt. Method	Analysis Date	MDL	Lab ID
2378	1,2,4-Trichlorobenzene (70)	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2380	cis-1,2-Dichloroethene (70)	10943-02	0.2 U	EPA 502.2	6/2/97	0.2	84269
2955	Xylenes (Total) (10,000)	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2964	Dichloromethane (5)	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2968	o-Dichlorobenzene (600)	10943-02	0.5 U	EPA 502.2	6 /2/97	0.5	84269
2969	p-Dichlorobenzene (75)	10943-02	0.5 V	EPA 502.2	6/2/97	0.5	84269
2976	Vinyt chloride (1)	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2977	t,t-Dichloroethene (7)	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2979	trans-1,2- Dichloroethene (100)	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2980	1,2- Dichloroethane (3)	10943-02	0.2 U	EPA 502.2	6/2/97	0.2	84269
2981	1,1,1-Trichloroethane (200)	10943-02	0.3 U	EPA 502.2	6/2/97	0.3	84269
2982	Carbon tetrachloride (3)	10943-02	0.3 U	EPA 502.2	6/2/97	0.3	84269
2 9 83	1,2-Dichloropropane (5)	10943-02	0.3 U	EPA 502.2	6/2/97	0.3	842 69
2984	Trichlorcethene (3)	10943-02	0.2 U	EPA 502.2	6/2/97	0.2	84269
2985	1,1,2-Trichloroethane (5)	10943-02	0.3 U	EPA 502.2	6/2/97	0.3	84269
2987	Tetrachloroethene (3)	10943-02	0.2 U	EPA 502.2	6/2/97	0.2	84269
2989	Monochlorobenzene (100)	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2990	Benzene (1)	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2991	Toluene (1,000)	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2992	Ethylbenzene (700)	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	8 4269
2996	Styrene (100)	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269

U - Analyte was not detected; indicated concentration is method detection limit.

Southern Analyticai Project No. 10943 June 9, 1997

PPB No. 146676

PESTICIDE & PCB CHEMICAL ANALYSIS 62-550.310(2) (c) (PWS029)

Parar ID	nstor NAME (MCL ug/l)	Sampie <u>Number</u>	Analyais <u>Result (ug/l)</u>	Analyt. Method	Analysia Date	<u>MDL</u>	Lab ID
2005	Endrin (2)	10943-02	0.01 U	EPA 508	5/28/97	0.01	84269
2010	Lindane (.2)	10943-02	0.01 U	EPA 508	5/28/97	0.01	84269
2015	Methoxychior (40)	10943-02	0.02 U	EPA 508	5/28/97	0.02	84269
2020	Toxaphene (3)	10943-02	0.2 U	EPA 508	5/28/97	0.2	84269
2031	Dalapon (200)	10943-02	1 U	EPA 515.1	6/3/97	1	84269
2032	Diquat (20)	10943-02	1 V	EPA 549.1	5/27/97	1	84269
2033	Endothali (100)	10943-02	10 U	EPA 548.1	5/28/97	10	84269
2034	Glyphosate (700)	10943-02	10 U	EPA 547	5/23/97	10	84269
2035	Di(2-ethylhexyl)adlpate (400)	10943-02	1 U	EPA 506	5/28/97	1	84269
2036	Oxamyl (Vydate) (200)	10943-02	0,5 U	EPA 531.1	5/31/97	0,5	84269
2037	Simazine (4)	10943-02	0.1 U	EPA 507	5/28/97	0.1	84269
2039	Di(2-ethylhexyl)phthalate (6)	10943-02	1 U	EPA 506	5/28/97	1	84269
2040	Pickram (500)	10943-02	0.2 U	EPA 515.1	6/3/97	0.2	84269
2041	Dinoseb (7)	10943-02	0.2 U	EPA 515.1	6/3/97	0.2	84269
2042	Hexachlorocyclopentadiene (50)	10943-02	0.1 U	EPA 505	6/2/97	0.1	84269
2048	Carbofuran (40)	10943-02	0.5 U	EPA 531.1	5/31/97	0.5	84269
2050	Atrazine (3)	10943-02	0.1 U	EPA 507	5/28/97	0.1	84269
2051	Alachlor (2)	10943-02	0.3 U	EPA 507	5/28/97	0.3	84269
2065	Heptachlor (.4)	10943-02	0.01 U	EPA 508	5/28/97	0.01	84269
2067	Heptachlor epoxide (.2)	10943-02	0.01 U	EPA 508	5/28/97	0.01	84269
2105	2,4-D (70)	10943-02	0.5 U	EPA 515.1	6/3/97	0.5	84269
2110	2,4,5-TP (Silvex) (50)	10943-02	0.05 U	EPA 515.1	6/3/97	0.05	84269
2274	Hexachlorobenzene (1)	10943-02	0.01 U	EPA 508	5/28/97	0.01	84269
2306	Benzo(a)pyrane (.2)	10943-02	0.01 U	EPA 550	5/28/97	0.01	84269
2326	Pentachiorophenol (1)	10943-02	0.05 U	EPA 515.1	6/3/97	0.05	84269
2383	PCBs (.5)	10943-02	0.05 U	EPA 508	5/28/97	0.05	84269
2931	Dibromochloropropane (.2)	10943-02	0.005 U	EPA 504.1	5/31/97	0.005	84269
2946	Ethylene dibromide (.02)	10943-02	0.005 U	EPA 504.1	5/31/97	0.005	84269
2959	Chlordane (2)	10943-02	0.05 U	EPA 508	5/28/97	0.05	84269

U - Analyte was not detected; Indicated concentration is method detection limit.

Southern Analytical Project No. 10943 June 9, 1997

PPB No. 146676

UNREGULATED GROUP LANALYSIS 62-650,405 (PWS035)

Paran ID	netər <u>NAME (MCL uc/l)</u>	Sample <u>Number</u>	Anslysis <u>Result /ug/i)</u>	Analyt. <u>Method</u>	Analysis Date	MQL	Lab ID
ż021	Carbaryt	10943-02	0.5 U	EPA 531.1	5/31/97	0.5	84269
2022	Methomyi	10943-02	0.5 V	EPA 531.1	5/31/97	0.5	84269
2043	Aldicarb sulfoxide	10943-02	0.5 U	EPA 531,1	5/31/97	0.5	84269
2044	Aidicarb sulfone	10943-02	0.5 U	EPA 531.1	5/31/97	0,5	84269
2045	Metolachior	10943-02	0.3 U	EPA 507	5/28/97	0.3	84269
2047	Aidicarb	10943-02	0.5 U	EPA 531.1	5/31/97	0.5	84269
2066	3-Hydroxycarbofuran	10943-02	0.5 U	EPA 531.1	5/31/97	0.5	84269
2076	Butachior	10943-02	0.4 U	EPA 508	5/28/97	0.4	84269
2077	Propachlor	10943-02	0.05 U	ËPA 508	5/28/97	0.05	84269
2356	Aldrin	10943-02	0.01 U	EPA 508	5/28/97	0.01	84269
2364	Dieldrin	10943-02	0.01 U	EPA 508	5/28/97	0.01	84269
2440	Dicamba	10943-02	0.05 Ų	EPA 515.1	6/3/97	0.05	84269
2595	Metribuzin	10943-02	0.2 U	EPA 507	5/28/97	0.2	84269

U - Analyte was not detected; indicated concentration is method detection limit.

ς.

Southern Analytical Project No. 16943 June 9, 1997

PPB No. 146676

UNREGULATED GROUP II ANALYSIS 62-550.410 (PW\$034)

Parar ID	nətər <u>NAME (MCL ug/l)</u>	Sample Nymber	Anaiysis Result (ug/l)	Analyt. <u>Məthod</u>	Analysis <u>Date</u>	MDL	Lab ID
2210	Chloromethane	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2212	Dichlorodifluoromethane	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2214	Bromomethane	10943-02	0,5 U	EPA 502.2	6/2/97	0.5	84269
2216	Chloroethane	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2218	Trichlorofluoromethane	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2251	Methyl-tert-butyl-ather	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2409	Dibromomethane	10943-02	0.5 U	EPA 502.2	6/2/97	0,5	84269
2410	1,1-Dichloropropene	10943-02	0.3 U	EPA 502.2	6/2/97	0.3	84269
2412	1,3-Diohloropropane	10943-02	0.3 U	EPA 502.2	6/2/97	0.3	84269
2413	1,3-Dichloropropene	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2414	1,2,3-Trichloropropane	10943-02	0.3 U	EPA 502.2	€/2/ 97	0.3	84269
2416	2,2-Dichloropropane	10943-02	0.3 U	EPA 502.2	6/2/97	0.3	84269
2941	Chloroform	10943-02	0.2 U	EPA 502.2	6/2/97	0.2	84269
2942	Bromotorm	10943-02	0.5 U	EPA 502.2	6/2/97	0,5	84269
2943	Bromodichloromethane	10943-02	0.3 U	EPA 502.2	6/2/97	0,3	84269
2944	Dibromochloromethane	10943-02	0.5 U	EPA 502.2	6/2/97	0,5	84269
2965	o-Chlorotoluene	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2966	p-Chlorotoluene	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2967	m-Dichlorobenzene	10943-02	0.5 U	EPA 502.2	6/2/97	0.5	84269
2978	t,1-Dichloroethane	10943-02	0.3 U	EPA 502.2	6/2/97	0.3	84269
2986	1,1,1,2-Tetrachioroethans	10943-02	0.3 U	EPA 502.2	6/2/97	0.3	84269
2988	1,1,2,2-Tetrachloroethane	10943-02	0.3 U	EPA 502.2	6/2/97	0.3	84269
2993	Bromobenzene	10943-02	0.5 Ų	EPA 502.2	6/2/97	0.5	84269

U - Analyte was not detected; indicated concentration is method detection limit.

Southern Analytical Project No. 10943 June 9, 1997

PPB No. 146676

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Parameter ID NAME (MCL.)	Sampie 19/1) Number	Analysis Besult (uq/i)	Analyt. <u>Method</u>	Analysis Data	MDL_	Lab ID
2262 Isophorone	10943-02	1 U	EPA 609	5/28/97	1	84269
2270 2,4-Dinitrotolue	ne 10943-02	1 U	EPA 609	5/28/97	1	84269
2282 Dimethylphthala	ate 10943-02	1 U	EPA 506	5/28/97	1	84269
2284 Diethylphthalate	e 10943-02	1 U	EPA 506	5/28/97	1	84269
2290 Di-n-butylphath	alate 10943-02	1 U	EPA 506	5/28/97	1	84269
2294 Butyl benzyl ph	thalate 10943-02	ΗU	EPA 506	5/28/97	1	84269
9089 Di-n-octylphthal	late 10943-02	1 U	EPA 506	5/23/97	1	84269
9108* 2-Chlorophenol	10943-02	5 U	EPA 604	5/28/97	5	84269
9112" 2-Mehtyl-4,6-dir	nitrophenal 10943-02	20 U	EPA 604	5/28/97	20	84269
9115" Phenol	10943-02	5 U	EPA 604	5/28/97	5	84269
9116* 2,4,6-Trichlorop	henol 10943-02	10 U	EPA 604	5/28/97	10	84269

U - Analyte was not detected; indicated concentration is method detection limit.

•

15619895225 EMMIRODYNE !NC.

2,3,7,8-Tertachlorodibenzo-p-dioxin Absent

.

DWK.

Envirodyne Inc.

4805 N.W. 2nd Avanue Booa Raton, FL 33431 561-989-5225

2

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624			May 28, 1997 Report: 9705000258 Sample No: 9705000253 1		
Attention: Bart Ziegler	Project: PECWF Expansion - Folo Trace 13135 Hagea Ranch Road Boynton Beach, FL				
SAMPLE ID: Prod. Well #13 Date of Analysis: 05/24/97	Collected	by: Bart Ziegler	Collected on: 05/21/97 Received on: 05/22/97		
Date of Extraction: 05/24/97	8970.	A DIOXIN			
	82707				
PARAMETER	RESULT	DL UNITS	analyst		

 $20 \ \mu g/L$

Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. E86138 Laboratory Certification No. 86405



15619895225 ENVIRONME INC.

Envirodyne Inc.

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

Attention: Bart Ziegler

4805 N.W. 2nd Avenue Boca Raton, FL 33431 551-989-5225

3

May 28, 1997 Report: 9705000258 Sample No: 9705000258 2

5		3135 Hagen Ranch Roa	E Boymon Beach, FL
SAMPLE ID: Prod. Well #14	Collected	by: Bart Ziegier	Collecteri on: 05/21/97 Received on: 05/22/97
Date of Analysis: 05/24/97 Date of Extraction: 05/24/97	· ·		
	8270/	A DIOXIN	
PARAMETER	RESULT	DL UNITS	AMALYST

Protect: PBCWF Expansion - Polo Trace

20 µg/L

2,3,7,8-Tertachlorodibenzo-p-dioxin Absant

Analysis contained herein conform to EPA and DEP approved methods per Envirodyne Comprehensive Quality Assurance Plan No. 890041G. Additional Laboratory Certification numbers: E86006, 86408, E83079, E86240, South Carolina 96022. All relevant quality assurance samples were within specified control limits unless otherwise stated.

Michael Rentoumis President, Envirodyne, Inc.

DWK

Oleg 1. Minko, Ph.D. Quality Assurance Director



Analysis Performed in Accordance with E.P.A. Methods Laboratory Certification No. E26188 Laboratory Certification No. 86403

552 291

15619895225 ENVIRODYNE INC.

Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 551-989-5225

MAY 29 197 13:11

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624 May 28, 1997 Report: 970500154 Sample No: 9705000164 1

Attention: Bart Ziegler

Project: PBCVF Expansion - Polo Trace 13135 Hagen Ranch Road Boynton Beach, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: SM9222B TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL UNITS	DATE SAMPLED	DATE ANALYZED	ANALYST
· · · · · · · · · · · · · · · · · · ·					
Polo Trace #13(Day-1,AM)	Absent	1 ctu/100 mi	05/13/97	05/14/97	LML
Polo Trace #13(Day-1,PM)	Absent	1 cfu/100 ml	05/13/97	05/14/97	LML
Polo Trace #14(Day-1,AM)	Absant	1 cfu/100 ml	05/13/97	05/14/97	J₩IJ
Polo Trace #14(Day-1,PM)	Absent	1 cfu/100 ml	05/13/97	05/14/97	JMJ
Poio Trace #13(Day-2,AM)	Absent	1 cfu/100 ml	05/14/97	05/1 6/ 97	JMJ
Polo Trace #13(Day-2.PM)	Absent	1 cfu/100 mt	0 5/14/9 7	05/16/97	JMJ
Polo Trace #14(Day-2,AM)	Absent	1 cfu/100 ml	05/14/97	05/16/97	-LWP
Polo Trace #14(Day-2,PM)	Absent	1 cfu/100 ml	05/14/97	05/16/97	JMJ
Polo Trace #13(Day-3,AM)	Absent	1 cfu/100 ml	05/15/97	05/16/97	JMJ
Polo Trace #13(Day-3,PM)	Absent	1 ofu/100 ml	05/15/97	05/16/97	JMJ
Poio Trace #14(Day-3,AM)	Absent	1 cfu/100 mt	05/15/97	06/16/97	JMJ
Polo Trace #14(Day-3,PM)	Absent	1 cfu/100 mł	05/15/97	05/18/97	JMJ

Analysis Performed in Accordance with E.P.A. Methods Laboratory Cartification No. E86158 Laboratory Certification No. 86405

QA/QC Review 4 BDL=Below Deter Ion Lunn DL . Describen Limit

15619895225 ENVIRODME INC.

502 PDE MAY 29 '97 13:11

Envirodyne Inc.

4805 N.W. 2nd Avanua Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

May 28, 1997 Report: 9705000164 Sample No: 9705000164 13

Attention: Bart Ziegler

Project: PBCV/F Expansion - Polo Trace i3135 Hagen Ranch Road Boynton Beach, Fl.

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: SM9222B TOTAL COLIFORM BACTERIA

SAMPLE ID	result	DL UNITS	date Sampled	date Analyzed	ANALYST
Polo Trace #13(Day-4,AM)	Absent	1 cfu/100 ml	05/16/97	05/17/97	JMJ
Polo Trace #13(Day-4,PM)	Absent	1 cfu/100 mł	05/16/97	05/17/97	JMJ
Polo Trace #14(Day-4,AM)	Absent	1 cfu/100 mł	05/16/97	05/17/97	JMJ
Polo Trace #14(Day-4,PM)	Absent	1 afu/100 ml	05/16/97	05/17/97	JMJ
Polo Trace #13(Day-5,AM)	Absent	3 cfu/100 mi	05/17/97	05/18/97	LML
Polo Traca #13(Day-5,PM)	Absent	1 cfu/100 ml	05/17/97	05/18/97	IMJ
Polo Trace #14(Day-5,AM)	Absent	1 cfa/100 ml	05/17/97	05/18/97	JMJ
Polo Trace #14(Day-5,PM)	Absant	1 cfu/100 ml	05/17/97	05/18/97	JMJ
Polo Trace #13(Day-6,AM)	Absent	1 cfu/100 mt	05/18/97	05/19/97	JMJ
Polo Trace #13(Day-6,PM)	Absent	1 cfu:100 ml	05/18/97	05/19/97	JMJ
Polo Trace #14(Day-6,AM)	Absent	1 cfu/100 ml	05/18/97	05/19/97	LML
Polo Traca #14(Day-6,PM)	Absent	1 cfu/100 ml	05/18/97	05/19/97	JMJ
Polo Trace #13(Day-7,AM)	Absent	1 cfu/100 ml	05/19/97	05/21/97	JMJ

Analysis Performed in Accordance with E.P.A. Methods Laboratory Cartification No. 236188 Laboratory Certification No. 36405 15619895225 ENVIRODYNE INC.

502 FØ3 - MAY 29 '57 13:11

Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-3225

Sample No: 9705000164 26

May 28, 1997 Report: 9705000164

6

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

> Project: PBCWF Expansion - Polo Trace 13135 Hagen Ranch Road - Boynton Beach, FL

Collected by: Bart Ziegler

Attention: Bart Ziegier

REPORT OF ANALYSIS FOR: SM9222B TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL UNITS	DATE Sampled	date Analyzed	ANALYST
Polo Trace #13(Day-7,PM)	Absent	1 ofu/100 mi	05/19/97	05/21/97	LML
Polo Trace #14(Day-7,AM)	Absent	1 cfu/100 ml	05/19/97	05/21/97	JMJ
Polo Trace #14(Day-7,PM)	Absent	1 cfu/100 ml	05/19/97	05/21/97	LME
Polo Trace #13(Day-8,AM)	Absent	t cfu/100 mł	05/20/97	05/22/97	JMJ
Polo Trace #13(Day-6,PM)	Absent	1 cfu/100 ml	05/20/97	05/22/97	LML
Polo Trace #14(Day-8,AM)	Absent	1 efu/100 ml	05/20/97	05/22/97	JMJ
Polo Trace #14(Dey-6,PM)	Absent	1 cfu/100 ml	05/20/97	05/22/97	LML
Polo Trace #13(Day-9,AM)	Absent	1 cfu/100 ml	05/21/97	05/22/97	JMJ
Polo Trace #13(Day-9,PM)	Absent	1 cfu/100 ml	05/21/97	05/22/97	JMJ
Polo Trace #14(Day-9,AM)	Absent	1 cfu/100 ml	05/21/97	05/22/97	JMJ
Polo Trace #14(Day-9,PM)	Absant	1 cfu/100 ml	05/21/97	05/22/97	JMJ
Polo Trace #13(Day-10,AM)	Absent	1 cfu/100 ml	05/22/97	05/23/97	JMJ
Polo Trace #13(Day-10,PM)	Absent	1 cfu/100 ml	05/22/97	05/23/97	JMJ

Analysis Performed in Accordance with E.P.A. Methods Laboratory Configuration No. B36183 Laboratory Centification No. 86405 15619895225 ENVIROD/NE INC.

502 P04 MAY 29 '57 13:11

Envirodyne Inc.

4805 N.W. 2nd Avenue Boca Raton, FL 33431 561-989-5225

South East Drilling 11505 N. Grady Avenue Tampa, FL 33624

May 22, 1997 Report: 9705000164 Sample No: 9705000164 39

Attention: Bart Ziegler

Project: PBCWF Expansion - Polo Trace 13135 Hagen Ranch Road – Boynton Beach, FL

Collected by: Bart Ziegler

REPORT OF ANALYSIS FOR: SM92228 TOTAL COLIFORM BACTERIA

SAMPLE ID	RESULT	DL UNITS	DATE Sampled	date Analyzed	ANALYST
Polo Trace #14(Day-10,AM)	Absent	1 cfu/100 ml	05/22/97	05/23/97	JMJ
Polo Trace #14(Day-10,PM)	Absent	1 cfu/100 mi	05/22/97	05/23/97	JMJ

ofu=colony forming units

The Water Analysis is ACCEPTABLE by health department standards for safe public drinking water, with regards to Colliform bacteria using EPA approved methods.

Analysis contained herein conform to EPA and DEP approved methods per Envirodyne Comprehensive Quality Assurance Plen No. 8900410. Additional Laboratory Certification numbers: E86008, 86408, E83079, E86240. All relevant quality assurance samples were within specified control limits unless otherwise stated.

Tukal Vent 1 ano

Michael Rentoumis President, Envirodyne, Inc.

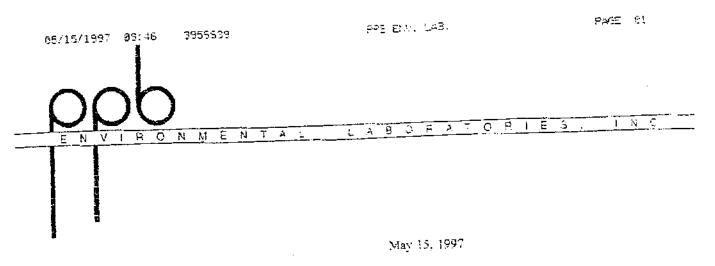
Alter Mar

Olag I/Minko, Ph.D. Quality Assurance Director



System 8

٠



Mr. Bart Ziegler Southeast Drilling P.O. Box 271723 Tampa, FL 33688

Dear Mr. Ziegler:

Attached are the data reports for the following samples:

PPB Sample Number	Southern Analytica! Number	PBS&J* Number	Site Name	Your Sample ID	Sample Date	Sample Time
144206	10613-01	9703340-03	Palm Beach Weil Field	SRPTW-18	03/19/97	1400
144499	10626-01	9703340-01	Palm Beach Well Field	System 8 #13	03/25/97	1500
144500	10626-02	9703340-02	Palm Bezch Well Field	System 8 #14	03/25/97	1.500

*PBS&J = Post Buckley Schuh and Jernigan

If you have any questions concerning these reports, please contact me.

Sincerely,

Paul Berman Project Manager

PLB;cms

Enclosures

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFORMATION (TO BE COMPLET	TED BY SYSTEM OR LAB)
SYSTEM NAME:	I.D. #:
ADDRESS:	
SAMPLE INFORMATION (TO BE COMPLETED BY SAMPLER)	
SAMPLE DATE (MMDDYY): / / SAMPLE TIME:	
SAMPLE LOCATION (BE SPECIFIC):	
SAMPLER NAME AND PHONE:	()
	Tine:
CHECK TYPE(S): () DISTRIBUTION () RECHEC () CLEARANCE () THM MA () DISTRIB ENTRY PT () RAW	K OF MCL () RESAMPLE OF LAB INVALIDATED SAMPLE X RES TIME () PLANT TAP () COMPOSITE OF MULTIPLE SITES-ATTACH A FORMAT FOR EACH SITE
LABORATORY CERTIFICATION INFORMATION (TO BE CO	DMPLETED BY LAB) - ATTACH HRS ANALYTE SHEET*
LAB NAME: PPB ENVIRONMENTAL LABORATORIES, INC.	HRS #: 82282 EXPIRATION DATE:
ADDRESS:6821 SW ARCHER ROAD, GAINESVILLE, FL 32608	PHONE #: (352) 377-2349
SUBCONTRACTED LAB HRS #: 83170, 82135, 84269, 82138 - A	TTACH HRS ANALYTE SHEET FOR SUBCONTRACTED LAB, TOO*
ANALYSIS INFORMATION (TO BE COMPLETED BY LAB) - SA	MPLE NUMBER: 144499
DATE SAMPLE(S) RECEIVED: 03/26/97 GROUP(S) ANALYZED	& RESULTS ATTACHED FOR COMPLIANCE WITH 62-550, F.A.C.;
() NITRATE ONLY () NITRITE ONLY	() ASBESTOS ONLY (X) TRIHALOMETHANES
INORGANICS- VOLATILE ORGANICS- () ALL 17 (X) PARTIAL (X) ALL 21 () PARTIA	SECONDARIES- PESTICIDE/PCBS- AL (X) ALL 14 () PARTIAL () ALL 30 (X) PARTIAL
GROUP I UNREGULATEDS- GROUP II UNREGULATEDS () ALL 13 (X) PARTIAL (X) ALL 23 () PARTIA	AL (X) ALL 11 () PARTIAL (X) SINGLE SAMPLE () QTRLY COMPOSITE*
	**PROVIDE RADIOCHEMICAL SAMPLE DATES & LOCATIONS FOR EACH QUARTER
(1) (1) (2)	EREBY CERTIFY THAT ALL ATTACHED ANALYTICAL DATA ARE CORRECT.
SIGNATURE fail Olimon	
TITLE QA OFFICER	Date5/14/97
COMPLIANCE INFORMATION (TO BE COMPLETED BY STATE)	
	SAMPLE ANALYSIS SATISFACTORY:
RESAMPLE REQUESTED FOR:	REASON:
PERSON NOTIFIED TO RESAMPLE;	
DEP/HRS REVIEWING OFFICIAL:	

"ALL HRS LAB #S AND THEIR HRS ANALYTE SHEET FOR LABS PERFORMING THE ATTACHED WATER ANALYSESMUST BE PROVIDED, FAILURE TO DO SO WILL RESULT IN REJECTION OF THE ANALYSES AND POSSIBLE ENFORCEMENT AGAINST THE PUBLIC WATER SYSTEM FOR FAILURE TO SAMPLE. EFFECTIVE JANUARY 1995

• •

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param <u>ID</u>	eter <u>Name</u>	(MCL MG/L)	Sample <u>Number</u>	Analysis Result (mg/l)	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL <u>(MG/L)</u>	Lab ID
1005 1010 1015 1020 1024 1025 1030 1035 1036	ARSENIC BARIUM CADMIUM CHROMIUM CYANIDE FLUORIDE LEAD MERCURY NICKEL	(.05) (2) (.005) (0.1) (0.2) (4) (0.015) (0.002) (0.1)	NOMBER 144499 144499 144499 144499 144499 144499 144499 144499 144499	0.002 K 0.017 0.0005 K 0.010 0.004 U 0.19 0.002 0.0001 K 0.030 U	METHOD SM 3113B EPA 200.7 SM 3113B EPA 200.7 SM 4500CNE SM 4500FC SM 3113B EPA 245.1 EPA 200.7	DATE 05/01/97 04/28/97 04/24/97 04/28/07 04/01/97 04/01/97 04/30/97 04/30/97 04/07/97 04/28/97	(<u>MG/L</u>) 0.001 0.001 0.005 0.004 0.02 0.001 0.00005 0.030	1D 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282
1040 1041 1045 1052 1074 1075 1085 1094	NITRATE NITRITE SELENIUM SODIUM ANTIMONY BERYLLIUM THALLIUM ASBESTOS	(10) (1) (0.05) (160) (0.006) (0.004) (0.002) (7 MFL)	144499 144499 144499 144499 144499 144499 144499 144499	0.014 0.007 0.002 K 30 0.003 U 0.003 U 0.002 U	EPA 353.2 EPA 353.2 SM 31138 EPA 200.7 SM 31138 EPA 200.7 EPA 200.9	04/10/97 03/27/97 04/28/97 04/28/97 05/01/97 04/28/97 05/01/97	0.004 0.003 0.001 0.05 0.003 0.003 0.002	82282 82282 82282 82282 82282 82282 82282 82282

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

PARAM	IETER		SAMPLE	ANALYSIS*	ANALYSIS	ANALYSIS	MDL	LAB
<u>ID</u>	<u>Name</u>	(MCL MG/L)	NUMBER	RESULT (MG/L)	METHOD	DATE	<u>(MG/L)</u>	<u>ID</u>
1002	ALUMINUM	(0.2)	144499	0.01 U	EPA 200.7	05/07/97	0.01	82282
1017	CHLORIDE	(250)	144499	58	EPA 325.2	04/14/97	0.3	82282
1022	COPPER	(1)	144499	0.01 U	EPA 200.7	04/28/97	0.01	82282
1020	Fluoride	(2.0)	144499	0.19	SM 4500FC	04/17/97	0.02	82282
1028	IRON	(0.3)	144499	0.008 K	EPA 200.7	04/28/97	0.005	82282
1032	MANGANESE	(0.05)	144499	0.006	EPA 200.7	04/28/97	0.005	82282
1050	SILVER	(0.1)	144499	0.0001 U	SM 3113B	04/30/97	0.0001	82282
1055	SULFATE	(250)	144499	14	EPA 375.4	04/16/97	1	82282
1095	ZINC	-(5)	144499	0.012	EPA 200.7	04/28/97	0.004	82282
1905	COLOR	(15 COLOR UNITS)	144499	80	SM 2120B	03/26/97	5	82282
1920	ODOR (3 TH	RESHOLD ODOR NUMBER)	144499	1 U	SM 2150B	03/26/97	1	82282
1925	PH	(6.5-8.5)	144499	7.0	EPA 150.1	03/26/97		82282
1930	TOTAL DISSO	LVED SOLIDS (500)	144499	407	SM 2540C	03/28/97	3	82282
2905	FOAMING AGE	ENTS (0.5)	144499	0.025 U	SM 5540C	03/26/97	0.025	82135

*ALL RESULTS AND METHOD DETECTION LIMITS IN MG/L EXCEPT COLOR (PCU), ODOR (THRESHOLD ODOR NUMBER), AND PH (STANDARD UNITS).

K INDICATES ANALYTE IS LESS THAN VALUE INDICATED, WITH VALUE BEING GREATER THAN METHOD DETECTION LIMIT.

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran	NETER	(MCL mg/L)	SAMPLE	Analysis	Analysis	Analysis	MDL	Lab
<u>ID</u>	NAME		NUMBER	<u>Result (UG/L)</u>	<u>Method</u>	<u>Date</u>	<u>(ug/L)</u>	[D
2950	TOTAL THMS	(0.10)	10626-01	0.0015 U	EPA 502.2	04/04/97	0.0015	84269

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Paran <u>ID</u>	IETER <u>Name</u>	(MCL PCI/L)	SAMPLE NUMBER	ANALYSIS RESULT (PCI/L)	Analysis <u>Method</u>	Analysis <u>Date</u>	ERROR	Lав <u>ID</u>
4000 4012	GROSS ALPHA PHOTON EMITT	ERS	9703340-01 NA	3.8 ± 2.0	EPA 900.0	03/27/97	1	83170
4020 4030 4101	RADIUM-226 RADIUM-228 MAN-MADE BET		9703340-01 NA NA	1.1 ± 0.1		03/31/97		83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC)

NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(B) (PWS028)

PARAN	IETER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS	MDL	LAB
<u>1D</u>	NAME	<u>(MCL мg/L)</u>	NUMBER	RESULT (UG/I	<u>l) Method</u>	DATE	<u>(UG/L)</u>	<u>ID</u>
- -								
2378	1,2,4-TRICHLOROBENZ	· · ·	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2380	CIS-1,2-DICHLOROETH	IYLENE (70)	10626-01	0.2 U	EPA 502.2	04/04/97	0.2	84269
2955	XYLENES (TOTAL)	(10,000)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2964	DICHLOROMETHANE	(5)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2968	O-DICHLOROBENZENE	(600)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2969	PARA-DICHLOROBENZE	ENE (75)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2976	VINYL CHLORIDE	(1)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2977	1,1-DICHLOROETHYLE	NE (7)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2979	TRANS-1,2-DICHLORO	ETHYLENE (100)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2980	1,2-DICHLOROETHANE	(3)	10626-01	0.2 U	EPA 502.2	04/04/97	0.2	84269
2981	1,1,1-TRICHLOROETHA		10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
2982	CARBON TETRACHLOR	IDE (3)	10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
2983	1,2-DICHLOROPROPAN		10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
2984	TRICHLOROETHYLENE	(3)	10626-01	0.2 U	EPA 502.2	04/04/97	0.2	84269
2985	1,1,2-TRICHLOROETHA		10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
2987	TETRACHLOROETHYLE	NE (3)	10626-01	0.2 U	EPA 502.2	04/04/97	0.2	84269
2989	MONOCHLOROBENZEN	e (100)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2990	Benzene	(1)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2991	TOLUENE	(1,000)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2992	ETHYLBENZENE	(700)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
9 96	STYRENE	(100)	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

÷

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(C) (PWS029)

-			`					
PARAN			SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS	MDL	LA8
<u>ID</u>	NAME	(MCL MG/L)	NUMBER	RESULT (UG/L)	METHOD	<u>Date</u>	<u>(UG/L)</u>	<u>ID</u>
2005	Endrin	(2)	10626-01	0.01 U	EPA 508	03/31/97	0.01	84269
2010	LINDANE	(.2)	10626-01	0.01 U	EPA 508	03/31/97	0.01	84269
2015	METHOXYCHLOR	(40)	10626-01	0.02 U	EPA 508	03/31/97	0.02	84269
2020	TOXAPHENE	(3)	10626-01	0.2 U	EPA 508	03/31/97	0.2	84269
2031	DALAPON	(200)	10626-01	1 U	EPA 515.1	04/04/97	1	84269
2032	DIQUAT	(20)	10626-01	10	EPA 549.1	03/31/97	4	84269
2033	ENDOTHALL	(100)	10626-01	10 U	EPA 548	03/28/97	10	84269
2034	GLYPHOSATE	(700)	10626-01	10 U	EPA 547	04/02/97	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	10626-01	1 U	EPA 506	03/31/97	1	84269
2036	OXAMYL (VYDATE)	(200)	10626-01	0.5 U	EPA 531.1	03/31/97	0.5	84269
2037	SIMAZINE	(4)	10626-01	0.1 U	EPA 507	03/31/97	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALAT	E (6)	10626-01	1 U	EPA 506	03/31/97	1	84269
2040	Picloram	(500)	10626-01	0.2 U	EPA 515.1	04/04/97	0.2	84269
2041	DINOSEB	(7)	10626-01	0.2 U	EPA 515.1	04/04/97	0.2	84269
2042	HEXACHLOROCYCLOPENTADI	ene (50)	10626-01	0.1 U	EPA 505	04/04/97	0.1	84269
2046	CARBOFURAN	(40)	10626-01	0.5 U	EPA 531.1	03/31/97	0.5	84269
2050	ATRAZINE	(3)	10626-01	0.1 U	EPA 507	03/31/97	0.1	84269
2051	Alachlor	(2)	10626-01	0.3 U	EPA 507	03/31/97	0.3	84269
2065	HEPTACHLOR	(.4)	10626-01	0.01 U	EPA 508	03/31/97	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	10626-01	0.01 U	EPA 508	03/31/97	0.01	84269
2105	2,4-D	(70)	10626-01	0.5 U	EPA 515.1	04/04/97	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	10626-01	0.05 U	EPA 515.1	04/04/97	0.05	84269
274 י	HEXACHLOROBENZENE	(1)	10626-01	0.01 U	EPA 508	03/31/97	0.01	84269
_306	Benzo(a)pyrene	(.2)	10626-01	0.01 U	EPA 550	03/31/97	0.01	84269
2326	PENTACHLOROPHENOL	(1)	10626-01	0.05 U	EPA 515.1	04/04/97	0.05	84269
2383	PCB	(.5)	10626-01	0.05 U	EPA 508	03/31/97	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	10626-01	0.005 U	EPA 504	04/01/97	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	10626-01	0.005 U	EPA 504	04/01/97	0.005	84269
2959	CHLORDANE	(2)	10626-01	0.05 U	EPA 508	03/31/97	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

PARAM	FTER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS		
<u>ID</u>	NAME	(MCL MG/L)	NUMBER	RESULT (UG/L)	METHOD	DATE	MDL	Lав <u>ID</u>
2021	CARBARYL		10626-01	0.5 U	EPA 531.1	03/31/97	0.5	84269
2022	METHOMYL		10626-01	0.5 U	EPA 531.1	03/31/97	0.5	84269
2043	ALDICARB SULFOXIDE		10626-01	0.5 U	EPA 531.1	03/31/97	0.5	84269
2044	ALDICARB SULFONE		10626-01	0.5 U	EPA 531.1	03/31/97	0.5	84269
2045	METOLACHLOR		10626-01	0.3 U	EPA 507	03/31/97	0.3	84269
2047	ALDICARB		10626-01	0.5 U	EPA 531.1	03/31/97	0.5	84269
2066	3-HYDROXYCARBOFURAN	t	10626-01	0.5 U	EPA 531.1	03/31/97	0.5	84269
2077	PROPACHLOR		10626-01	0.05 U	EPA 508	03/31/97	0.05	84269
2356	Aldrin		10626-01	0.01 U	EPA 508	03/31/97	0.01	84269
2364	DIELDRIN		10626-01	0.01 U	EPA 508	03/31/97	0.01	84269
2440	DICAMBA		10626-01	0.05 U	EPA 515.1	04/04/97	0.05	84269
2595	Metribuzin		10626-01	0.2 U	EPA 507	03/31/97	0.2	84269

1 - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

		SAMPLE		ANALYSIS	ANALYSIS	MDL	LAS
ID	NAME (MCL MG/L)	NUMBER	RESULT (UG/L)	<u>Method</u>	<u>Date</u>	<u>(UG/L)</u>	<u>ID</u>
2210	CHLOROMETHANE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2212	DICHLORODIFLUOROMETHANE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2214	BROMOMETHANE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2216	CHLOROETHANE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2218	TRICHLOROFLUOROMETHANE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	10626-01	0.5 U	EPA 502,2	04/04/97	0.5	84269
2408	DIBROMOMETHANE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2410	1,1-DICHLOROPROPYLENE	10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
2412	1,3-DICHLOROPROPANE	10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
2413	1,3-DICHLOROPROPENE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
2416	2,2-DICHLOROPROPANE	10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
2941	Chloroform	10626-01	0.2 U	EPA 502.2	04/04/97	0.2	84269
2942	BROMOFORM	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2943	BROMODICHLOROMETHANE	10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
2944	DIBROMOCHLOROMETHANE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2965	O-CHLOROTOLUENE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2966	P-CHLOROTOLUENE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2967	M-DICHLOROBENZENE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269
2978	1,1-DICHLOROETHANE	10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
`986	1,1,1,2-TETRACHLOROETHANE	10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
_988	1,1,2,2-TETRACHLOROETHANE	10626-01	0.3 U	EPA 502.2	04/04/97	0.3	84269
2993	BROMOBENZENE	10626-01	0.5 U	EPA 502.2	04/04/97	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

PARAMETER	Sample	Analysis	Analysis	Analysis	MDL	Lab
ID NAME (MCL.MG/L)	<u>Number</u>	<u>Result (ug/l)</u>	<u>Method</u>	<u>Date</u>	(UG/L)	<u>ID</u>
 2262 ISOPHORONE 2270 2,4-DINITROTOLUENE 2282 DIMETHYLPHTHALATE 2284 DIETHYLPHTHALATE 2290 DI-N-BUTYLPHTHALATE 2294 BUTYL BENZYL PHTHALATE 	10626-01 10626-01 10626-01 10626-01 10626-01 10626-01	1 U 1 U 1 U 1 U 1 U 1 U	EPA 609 EPA 609 EPA 506 EPA 506 EPA 506 EPA 506	03/31/97 03/31/97 03/31/97 03/31/97 03/31/97 03/31/97	1 1 1 1	84269 84269 84269 84269 84269 84269 84269
9089 DIOCTYLPHTHALATE	10626-01	1 U	EPA 506	03/31/97	1	84269
9108* 2-CHLOROPHENOL	10626-01	5 U	EPA 604	04/01/97	5	84269
9112* 2-METHYL-4,6-DINITROPHENOL	10626-01	20 U	EPA 604	04/01/97	20	84269
9115* PHENOL	10626-01	5 U	EPA 604	04/01/97	5	84269
9116* 2,4,6-TRICHLOROPHENOL	10626-01	10 U	EPA 604	04/01/97	10	84269

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

•.

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFOR	RMATION (TO BE COMPLETED B)	Y SYSTEM OR LAB)				
SYSTEM NAME:	44 \$ \$ 1 m m f +	i.D. #:				
ADDRESS:	() NONTRANSIENT NONCOMMU	PHONE #: ()			
SAMPLE INFORMATION (TO BE	COMPLETED BY SAMPLER)					
SAMPLE DATE (MMDDYY):	SAMPLE TIME:	_				
SAMPLE LOCATION (BE SPECIFIC):						
CHECK TYPE(S): () DISTRIBUTIO () CLEARANCE () DISTRIB ENT	DN () RECHECK OF M () THM MAX RES (RY PT () RAW	ACL () RESAMPLE TIME () PLANT TAP () COMPOSITE OF MULTIPLE SITE	DF LAB INVALIDATED SAMPLE S-ATTACH A FORMAT FOR EACH SITE			
LABORATORY CERTIFICATION	INFORMATION (TO BE COMPLE	ETED BY LAB) - ATTACH HRS ANAL	YTE SHEET*			
LAB NAME: PPB ENVIRONMENTAL L	ABORATORIES, INC.	HRS #: <u>82282</u> Exi	PIRATION DATE:			
ADDRESS: 6821 SW ARCHER RC	AD, GAINESVILLE, FL 32608	Рнс	DNE#: (352) 377-2349			
ANALYSIS INFORMATION (TO B	COMPLETED BY LAB) - SAMPL	HRS ANALYTE SHEET FOR SUE E NUMBER: 144500 SULTS ATTACHED FOR COMPLIANCE WITH				
() NITRATE ONLY	() NITRITE ONLY	() ASBESTOS ONLY	(X) TRIHALOMETHANES			
	VOLATILE ORGANICS— (X) ALL 21 () PARTIAL	SECONDARIES- (X) ALL 14 () PARTIAL	PESTICIDE/PCBS			
GROUP I UNREGULATEDS- () ALL 13 (X) PARTIAL	GROUP II UNREGULATEDS- (X) ALL 23 () PARTIAL	GROUP III UNREGULATEDS- (X) ALL 11 () PARTIAL	RADIOCHEMICALS (X) SINGLE SAMPLE () QTRLY COMPOSITE			
		"PROVIDE RADIOCHEMICAL SAMPLE DATE				
1. <u>PAUL BERMAN</u> SIGNATURE <u>Paul</u>	Bermin	BY CERTIFY THAT ALL ATTACHED ANAL				
TITLE <u>QA OFFICÈR</u>			DATE <u>5/14/97</u>			
COMPLIANCE INFORMATION (TO	SE COMPLETED BY STATE)					
SAMPLE COLLECTION SATISFACTORY:	Sam	PLE ANALYSIS SATISFACTORY:				
RESAMPLE REQUESTED FOR:		REASON:				
PERSON NOTIFIED TO RESAMPLE:		DATE NOTIFIED:				
DEP/HRS REVIEWING OFFICIAL:						

*ALL HRS LAB #S AND THEIR HRS ANALYTE SHEET FOR LABS PERFORMING THE ATTACHED WATER ANALYSESMUST BE PROVIDED. FAILURE TO DO SO WILL RESULT IN REJECTION OF THE ANALYSESAND POSSIBLE ENFORCEMENT AGAINST THE PUBLIC WATER SYSTEM FOR FAILURE TO SAMPLE. EFFECTIVE JANUARY 1995

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param	ETER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS	MDL	LAB
ID	NAME	(MCL MG/L)	NUMBER	RESULT (MG/L)	<u>Method</u>	DATE	(MG/L)	
1005	ARSENIC	(.05)	144500	0.002 K	SM 3113B	05/01/97	0.001	82282
1010	BARIUM	(2)	144500	0.017	EPA 200.7	05/06/97	0.001	82282
1015	CADMIUM	(.005)	144500	0.0005 K	SM 3113B	04/24/97	0.0001	82282
1020	CHROMIUM	(0.1)	144500	0.010	EPA 200.7	04/28/07		82282
1024	Cyanide	(0.2)	144500	0.004 U	SM 4500CNE		0.004	82282
1025	FLUORIDE	(4)	144500	0.20	SM 4500FC	04/17/97	0.02	82282
1030	LEAD	(0.015)	144500	0.002	SM 3113B	04/30/97	0.001	82282
1035	MERCURY	(0.002)	144500	0.0001 K	EPA 245.1	04/07/97	0.00005	
1036	NICKEL	(0.1)	144500	0.030 U	EPA 200.7	04/28/97	0.030	82282
1040	NITRATE	(10)	144500	0.070	EPA 353.2	04/10/97	0.004	82282
1041	NITRITE	(1)	144500	0.005	EPA 353.2	03/27/97	0.003	82282
1045	SELENIUM	(0.05)	144500	0.002 K	SM 3113B	04/28/97	0.001	82282
1052	SODIUM	(160)	144500	23	EPA 200.7	04/28/97	0.05	82282
1074	ANTIMONY	(0.006)	144500	0.003 U	SM 3113B	05/01/97	0.003	82282
1075	BERYLLIUM	(0.004)	144500	0.003 U	EPA 200.7	04/28/97	0.003	82282
1085	THALLIUM	(0.002)	144500	0.002 U	EPA 200.9	05/01/97	0.002	82282
1094	ASBESTOS	(7 MFL)						

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

PARA	METER		SAMPLE	ANALYSIS*	ANALYSIS	ANALYSIS	MDL	LAB
<u>10</u>	<u>Name</u>	(MCL MG/L)	NUMBER	RESULT (MG/L)	<u>Method</u>	DATE	(MG/L)	<u>1D</u>
1002	ALUMINUM	(0.2)	144500	0.01 U	EPA 200.7	05/07/97	0.01	82282
1017	CHLORIDE	(250)	144500	46	EPA 325.2	04/14/97	0.3	82282
1022	COPPER	(1)	144500	0.01 U	EPA 200.7	04/28/97	0.01	82282
1020	FLUORIDE	(2.0)	144500	0.20	SM 4500FC	04/17/97	0.02	82282
1028	IRON	(0.3)	144500	0.025	EPA 200.7	05/06/97	0.005	82282
1032	MANGANESE	(0.05)	144500	0.010	EPA 200.7	04/28/97	0.005	82282
1050	SILVER	(0.1)	144500	0.0001 U	SM 3113B	04/30/97	0.0001	82282
1055	SULFATE	(250)	144500	31	EPA 375.4	04/16/97	1	82282
1095	ZINC	(5)	144500	0.010	EPA 200.7	04/28/97	0.004	82282
1905	COLOR	(15 COLOR UNITS)	144500	100	SM 2120B	03/26/97	5	82282
1920	ODOR (3 TH	RESHOLD ODOR NUMBER)	144500	1 U	SM 2150B	03/26/97	1	82282
1925	ΡΗ	(6.5-8.5)	144500	7.0	EPA 150.1	03/26/97		82282
1930		LVED SOLIDS (500)	144500	382	SM 2540C	03/28/97	3	82282
2905	FOAMING AGE	ENTS (0.5)	144500	0.030	SM 5540C	03/26/97	0.025	82135

*ALL RESULTS AND METHOD DETECTION LIMITS IN MG/L EXCEPT COLOR (PCU), ODOR (THRESHOLD ODOR NUMBER), AND PH (STANDARD UNITS).

K INDICATES ANALYTE IS LESS THAN VALUE INDICATED, WITH VALUE BEING GREATER THAN METHOD DETECTION LIMIT.

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

. . · .

PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

Paran <u>1D</u>	IETER <u>NAME</u>	(MCL MG/L)	SAMPLE <u>NUMBER</u>	Analysis <u>Result (u</u>	Analysis <u>G/L) Method</u>	Analysi <u>Date</u>)L LAB (L) ID	
2950	TOTAL THMS	(0.10)	10626-02	0.0015 U	EPA 502.	2 04/05/9	7 0.00	15 84269	
	RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)								
Paran ID	IETER <u>Name</u>	(MCL PCI/L)	Sample <u>Number</u>	ANALYSIS RESULT (PCI/L)	Analysis <u>Method</u>	Analysis <u>Date</u>	ERROR	Lab ID	
4000 4012 4020 4030 4101	GROSS ALPHA Photon Emitte Radium-226 Radium-228 Man-made bet/		9703340-02 NA NA NA NA	2.6 ± 1.6	EPA 900.0	03/28/97	1	83170	
*(GRO	SS ALPHA GENERA	ALLY ONLY REQU	REMENT, SEE 6	2-550.519, FAC)				

NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(B) (PWS028)

PARAM	IETER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS	MDL	LAB
<u>ID</u>	<u>NAME</u> (MCL MG/L)	NUMBER	RESULT (UG/L	METHOD	<u>DATE</u>	<u>(UG/L)</u>	<u>ID</u>
2378	1,2,4-TRICHLOROBENZI		10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2380	CIS-1,2-DICHLOROETHY	YLENE (70)	10626-02	0.2 U	EPA 502.2	04/05/97	0.2	84269
2955	XYLENES (TOTAL)	(10,000)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2964	DICHLOROMETHANE	(5)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2968	O-DICHLOROBENZENE	(600)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2969	PARA-DICHLOROBENZE	NE (75)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2976	VINYL CHLORIDE	(1)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2977	1,1-DICHLOROETHYLEN	E (7)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2979	TRANS-1,2-DICHLORQE	THYLENE (100)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2980	1,2-DICHLOROETHANE	· (3)	10626-02	0.2 U	EPA 502.2	04/05/97	0.2	84269
2981	1,1,1-TRICHLOROETHA	NE (200)	10626-02	0.3 U	EPA 502.2	04/05/97	0.3	84269
2982	CARBON TETRACHLORI	DE (3)	10626-02	0.3 U	EPA 502.2	04/05/97	0.3	84269
2983	1,2-DICHLOROPROPANE	: (5)	10626-02	0.3 U	EPA 502.2	04/05/97	0.3	84269
2984	TRICHLOROETHYLENE	(3)	10626-02	0.2 U	EPA 502.2	04/05/97	0.2	84269
2985	1,1,2-TRICHLOROETHAN	NE (5)	10626-02	0.3 U	EPA 502.2	04/05/97	0.3	84269
2987	TETRACHLOROETHYLEN	IE (3)	10626-02	0.2 U	EPA 502.2	04/05/97	0.2	84269
2989	MONOCHLOROBENZENE	: (100)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2990	Benzene	(1)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2991	TOLUENE	(1,000)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2992	ETHYLBENZENE	(700)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269
2996	STYRENE	(100)	10626-02	0.5 U	EPA 502.2	04/05/97	0.5	84269

J - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

D			- `			_		
PARAN			SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS	MDL	LAB
<u>ID</u>		(MCL MG/L)	NUMBER	RESULT (UG/L)		DATE	<u>(UG/L)</u>	<u>ID</u>
2005	ENDRIN	(2)	10626-02	0.01 U	EPA 508	03/31/97	0.01	84269
2010	LINDANE	(.2)	10626-02	0.01 U	EPA 508	03/31/97	0.01	84269
2015	METHOXYCHLOR	(40)	10626-02	0.02 U	EPA 508	03/31/97	0.02	84269
2020	TOXAPHENE	(3)	10626-02	0.2 U	EPA 508	03/31/97	0.2	84269
2031	DALAPON	(200)	10626-02	1 U	EPA 515.1	04/04/97	1	84269
2032	DIQUAT	(20)	10626-02	1 U	EPA 549.1	03/31/97	4	84269
2033	ENDOTHALL	(100)	10626-02	10 U	EPA 548	03/28/97	10	84269
2034	GLYPHOSATE	(700)	10626-02	10 U	EPA 547	04/02/97	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	10626-02	1 U	EPA 506	03/31/97	1	84269
2036	Oxamyl (Vydate)	(200)	10626-02	0.5 U	EPA 531.1	03/31/97	0.5	84269
2037	SIMAZINE	(4)	10626-02	0.1 U	EPA 507	03/31/97	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALAT	E (6)	10626-02	1 U	EPA 506	03/31/97	1	84269
2040	PICLORAM	(500)	10626-02	0.2 U	EPA 515.1	04/04/97	0.2	84269
2041	DINOSEB	(7)	10626-02	0.2 U	EPA 515.1	04/04/97	0.2	84269
2042	HEXACHLOROCYCLOPENTAD		10626-02	0.1 U	EPA 505	04/04/97	0.1	84269
2046	CARBOFURAN	(40)	10626-02	0.5 U	EPA 531,1	03/31/97	0.5	84269
2050	ATRAZINE	(3)	10626-02	0.1 U	EPA 507	03/31/97	0.1	84269
2051	Alachlor	(2)	10626-02	0.3 U	EPA 507	03/31/97	0.3	84269
2065	HEPTACHLOR	(.4)	10626-02	0.01 U	EPA 508	03/31/97	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	10626-02	0.01 U	EPA 508	03/31/97	0.01	84269
2105	2,4-D	(70)	10626-02	0.5 U	EPA 515.1	04/04/97	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	10626-02	0.05 U	EPA 515.1	04/04/97	0.05	84269
`274	HEXACHLOROBENZENE	(1)	10626-02	0.01 U	EPA 508	03/31/97	0.01	84269
.306	BENZO(A)PYRENE	(.2)	10626-02	0.01 U	EPA 550	03/31/97	0.01	84269
2326	PENTACHLOROPHENOL	(1)	10626-02	0.05 U	EPA 515.1	04/04/97	0.05	84269
2383	PCB	(.5)	10626-02	0.05 U	EPA 508	03/31/97	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	10626-02	0.005 U	EPA 504	04/01/97	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	10626-02	0.005 U	EPA 504	04/01/97	0.005	84269
2959	CHLORDANE	(2)	10626-02	0.05 U	EPA 508	03/31/97	0.05	84269
		. ,	_	_	·			

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

PARAM	ETER		SAMPLE	ANALYSIS	ANALYSIS	ANALYSIS	MDL	LAB
<u>ID</u>	<u>Name</u>	(MCL MG/L)	<u>NUMBER</u>	RESULT (UG/L)	<u>Method</u>	DATE	<u>(UG/L)</u>	<u>1D</u>
2021	CARBARYL `		10626-02	0.5 U	EPA 531.1	03/31/97	0.5	84269
2022	METHOMYL		10626-02	0.5 U	ËPA 531.1	03/31/97	0.5	84269
2043	ALDICARB SULFOXIDE		10626-02	0.5 U	ËPA 531.1	03/31/97	0.5	84269
2044	ALDICARB SULFONE		10626-02	0.5 U	EPA 531.1	03/31/97	0.5	84269
2045	METOLACHLOR		10626-02	0.3 U	EPA 507	03/31/97	0.3	84269
2047	ALDICARB		10626-02	0.5 U	EPA 531.1	03/31/97	0.5	84269
2066	3-HYDROXYCARBOFURAN	I	10626-02	0.5 U	EPA 531.1	03/31/97	0.5	84269
2077	PROPACHLOR		10626-02	0.05 U	EPA 508	03/31/97	0.05	84269
2356	Aldrin		10626-02	0.01 U	EPA 508	03/31/97	0.01	84269
2364	DIELORIN		10626-02	0.01 U	EPA 508	03/31/97	0.01	84269
2440	DICAMBA		10626-02	0.05 U	EPA 515.1	04/04/97	0.05	84269
2595	Metribuzin		10626-02	0,2 U	EPA 507	03/31/97	0.2	84269

* - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

Paran ID		SAMPLE Number	ANALYSIS RESULT (UG/L)	ANALYSIS METHOD	ANALYSIS Date	MDL (UG/L)	LAB
PARAN ID 2210 2212 2214 2216 2218 2251 2408 2410 2412 2413 2414 2416 2941	NETER NAME (MCL MG/L) CHLOROMETHANE DICHLORODIFLUOROMETHANE BROMOMETHANE CHLOROETHANE TRICHLOROFLUOROMETHANE METHYL-TERT-BUTYL-ETHER DIBROMOMETHANE 1,1-DICHLOROPROPYLENE 1,3-DICHLOROPROPANE 1,3-DICHLOROPROPANE 1,2,3-TRICHLOROPROPANE 2,2-DICHLOROPROPANE CHLOROFORM	NUMBER 10626-02 10626-02 10626-02 10626-02 10626-02 10626-02 10626-02 10626-02 10626-02 10626-02 10626-02 10626-02	RESULT (UG/L) 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U	METHOD EPA 502.2 EPA 502.2	DATE 04/05/97 04/05/97 04/05/97 04/05/97 04/05/97 04/05/97 04/05/97 04/05/97 04/05/97 04/05/97 04/05/97	(UG/L) 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.3 0.3 0.3 0.3 0.3	<u>ID</u> 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269
2941 2942 2943 2944 2965 2966 2967 2978 2986 988 2993	BROMOFORM BROMOFORM BROMODICHLOROMETHANE DIBROMOCHLOROMETHANE O-CHLOROTOLUENE P-CHLOROTOLUENE M-DICHLOROBENZENE 1,1-DICHLOROBENZENE 1,1,2,2-TETRACHLOROETHANE BROMOBENZENE	10626-02 10626-02 10626-02 10626-02 10626-02 10626-02 10626-02 10626-02 10626-02 10626-02	0.2 U 0.5 U 0.3 U 0.5 U 0.5 U 0.5 U 0.5 U 0.3 U 0.3 U 0.3 U 0.3 U 0.3 U	EPA 502.2 EPA 502.2	04/05/97 04/05/97 04/05/97 04/05/97 04/05/97 04/05/97 04/05/97 04/05/97 04/05/97	0.2 0.5 0.3 0.5 0.5 0.5 0.3 0.3 0.3 0.3 0.5	84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269 84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param <u>ID</u>	ETER <u>NAME (MCL MG/L)</u>	Sample Number	ANALYSIS RESULT (UG/L)	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL <u>(UG/L)</u>	Lав <u>ID</u>
2262	ISOPHORONE	10626-02	1 U	EPA 609	03/31/97	1	84269
2270	2,4-DINITROTOLUENE	10626-02	1 U	EPA 609	03/31/97	1	84269
2282	DIMETHYLPHTHALATE	10626-02	1 U	EPA 506	03/31/97	1	84269
2284	DIETHYLPHTHALATE	10626-02	1 U	EPA 506	03/31/97	1	84269
2290	DI-N-BUTYLPHTHALATE	10626-02	1 U	EPA 506	03/31/97	1	84269
2294	BUTYL BENZYL PHTHALATE	10626-02	1 U	EPA 506	03/31/97	1	84269
9089	DIOCTYLPHTHALATE	10626-02	1 U	EPA 506	03/31/97	1	84269
9108*	2-CHLOROPHENOL	10626-02	5 U	EPA 604	04/01/97	5	84269
9112*	2-METHYL-4,6-DINITROPHENOL	10626-02	20 U	EPA 604	04/01/97	20	84269
9115*	Phenol	10626-02	5 U	EPA 604	04/01/97	5	84269
9116*	2,4,6-TRICHLOROPHENOL	10626-02	10 U	EPA 604	04/01/97	10	84269

U - ANALYTE WAS NOT DETECTED; INDICATED CONCENTRATION IS METHOD DETECTION LIMIT.

System 9

PACE 1 N Ξ V Â M Ó M ε Ν Ţ Â 5 , д Ō Ĺ Ą 0 ÷. ĩ F Ē 3 M .

--2 2

. _ - _ .

February 21, 1997

Mr. Bart Ziegler Southeast Drilling P.O. Box 271723 Tampa, FL 33688

Dear Mr. Ziegler:

Attached are the data reports for the following samples:

PPB Sample Number	Site Name	Your Sample ID	Sample Date	Sample Time
140507	Palm Beach Well Field	System 9 PW-1	12/19/96	1100

If you have any questions concerning these reports, please contact me.

Sincerely,

Paul Bern

Paul Berman Project Manager

PLB:cms

Enclosures

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSES

PUBLIC WATER SYSTEM INFORM	ATION (to be completed	by system or lab)	
System Name:		I,D. #:	
Address: Type (check one): () Community	() Nontransient Nonco	Phone #: ()
SAMPLE INFORMATION (to be co	,		
Sample Date (MMDDYY):/	/ Sample Time:		
Sample Location (be specific):		·· ••••	
Sampler Name and Phone:		()
Sampler's Signature:			Tille:
Check Type(s): () Distribution () Clearance () Distrib entry	() Thm Max F	f MCL () Resampl Res Time () Plant Tag () Composite of Multiple Si	
LABORATORY CERTIFICATION IN	FORMATION (to be comp	pleted by lab) – ATTACH HRS ANA	LYTE SHEET*
Lab Name: PPB Environmental La	boratories, inc.	HRS #: <u>82282</u> E	xpiration Date:
Address:6821 SW Archer Road	Gainesville, FL_32608	Ph	one #: <u>(352) 377-2349</u>
Subcontracted Lab HRS #: 83170, 82	135, 84269, 82138 - ATTA	ACH HRS ANALYTE SHEET FOR SI	JBCONTRACTED LAB, TOO*
ANALYSIS INFORMATION (to be c	ompleted by lab) - SAMI	PLE NUMBER:140507	
Date Sample(s) Received: 12/19/9	Group(s) An	alyzed & Results attached for compli	ance with 62-550, F.A.C.:
() Nitrate Only	() Nitrite Only	() Asbestos Only	(x) Trihalomethanes
	Volatile Organics (x) All 21 () Partial	Secondaries– (x) All 14 ()Partial	Pesticide/PCBs– () All 30 (x) Partial
Group I Unregulateds () All 13 (x) Partial	Group II Unregulateds– (x) All 23 ()Partial		Radiochemicals– (x) Single Sample () Qtrly Composite**
		**Provide radiochemical sample d	
l, <u>Paul Berman</u>	/)	do HEREBY CERTIFY that all attack	ned analytical data are correct.
Signature	Bern		
Title QA Officer		Date	February 21, 1997
COMPLIANCE INFORMATION (to be	completed by State)		
Sample Collection Satisfactory:	S:	ample Analysis Satisfactory:	
Resample Requested for:		Reason:	
Person notified to resample:			
DEP/HRS Reviewing Official:			

"All HRS lab #s and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample. Effective January 1995 يري.

.

.

INORGANIC ANALYSIS 62-550.310(1) (PWS030)

Param <u>ID</u>	eter <u>Name</u>	(MCL mg/l)	Sample <u>Number</u>	Analysis <u>Result (mg/l)</u>	Analysis <u>Method</u>	Analysis <u>Date</u>	MDL (mg/l)	Lab ID
ID 1005 1010 1015 1020 1024 1025 1030 1035 1036 1040	Name ARSENIC BARIUM CADMIUM CHROMIUM CYANIDE FLUORIDE LEAD MERCURY NICKEL NITRATE	(MCL mg/l) (.05) (2) (.005) (0.1) (0.2) (4) (0.015) (0.002) (0.1) (10)	•	•	•	Date 01/27/97 02/03/97 01/30/97 02/03/97	(mg/l) 0.001 0.001 0.005 0.004 0.02 0.001 0.0005 0.030	<u>ID</u> 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282 82282
1041 1045 1052 1074 1075 1085 1094	NITRITE SELENIUM SODIUM ANTIMONY BERYLLIUM THALLIUM ASBESTOS	(1) (0.05) (160) (0.006) (0.004) (0.002) (7 MFL)	140507 140507 140507 140507 140507 140507	0.004 0.002 K 25.8 0.004 K 0.003 U 0.002 U	EPA 353.2 SM 3113B EPA 200.7 SM 3113B EPA 200.7 EPA 200.9	12/19/96 02/06/97 02/03/97 01/28/97 02/03/97 01/24/97	0.001 0.05 0.003 0.003	82282 82282 82282 82282 82282 82282 82282

SECONDARY CHEMICAL ANALYSIS 62-550.320 (PWS031)

Param	eter		Sample	Analysis*	Analysis	Analysis	MDL	Lab
<u>ID</u>	Name	(MCL mg/l)	Number	<u>Result (mg/l)</u>	<u>Method</u>	<u>Date</u>	<u>(mg/l)</u>	<u>1D</u>
1002	ALUMINUM	(0.2)	140507	0.416	EPA 202.2	02/03/97	0.01	82282
1017	CHLORIDE	(250)	140507	51	EPA 325.2	01/10/97	0.3	82282
1022	COPPER	(1)	140507	0.035	EPA 200.7	02/03/97	0.01	82282
1020	FLUORIDE	(2.0)	140507	0.36	SM 4500FC	01/15/96	0.02	82282
1028	IRON	(0.3)	140507	0.108	EPA 200.7	02/03/97	0.005	82282
1032	MANGANESE	(0.05)	140507	0.010	EPA 200.7	02/03/97	0.005	82282
1050	SILVER	(0.1)	140507	0.0001 U	SM 3113B	02/06/97	0.0001	82282
1055	SULFATE	(250)	140507	28.7	EPA 375.4	01/15/97	1	82282
1095	ZINC	(5)	140507	0.023	EPA 200.7	02/03/97	0.004	82282
1905	COLOR ((15 color units)	140507	40 ⁻	SM 2120B	12/19/96	5	82282
1920	ODOR (3 three	shold odor number)	140507	1 U	SM 2150B	12/19/96	1	82282
1925	РH	(6.5-8.5)	140507	7.0	EPA 150.1	12/19/96		82282
1930	TOTAL DISSOLV	ED SOLIDS (500)	140507	220	SM 2540C	12/23/96	3	82282
2905	FOAMING AGEN	TS (0.5)	140507	0.01 K	SM 5540C	12/20/96	0.025	82135

*All results and method detection limits in mg/l except color (PCU), Odor (threshold odor number), and pH (standard units). K indicates analyte is less than value indicated, with value being greater than method detection limit.

U - Analyte was not detected; indicated concentration is method detection limit.

.

. PPB Environmental Laboratories, Inc. • 6821 SW Archer Road • Gainesville, FL 32608 • (352) 377-2349

TRIHALOMETHANE ANALYSIS 62-550.310(2)(A) (PWS027)

.Paran	neter	(MCL mg/l)	Sample	Analysis	Analysis	Anaiysis	Lab
<u>ID</u>	<u>Name</u>		<u>Number</u>	<u>Result (mg/l)</u>	<u>Method</u>	<u>Date</u> <u>MDL</u>	ID
2950	TOTAL THMS	(0.10)	10161-01	0.0015 U	EPA 502.2	12/28/96 0.0015	84269

RADIOCHEMICAL ANALYSIS* 62-550.310(5) (PWS033)

Param	eter	(MCL pCi/l)	Sample	Analysis	Analysis	Analysis	Lab
<u>ID</u>	<u>Name</u>		<u>Number</u>	<u>Result (pCi/l)</u>	<u>Method</u>	Date Error	ID
4000 4012 4020 4030 4101	GROSS ALPHA PHOTON EMITT RADIUM-226 RADIUM-228 MAN-MADE BET		140507 NA NA NA NA	1.3 ± 2.4	EPA 900.0	12/23/96 1	83170

*(GROSS ALPHA GENERALLY ONLY REQUIREMENT, SEE 62-550.519, FAC) NA = NOT ANALYZED

VOLATILE ORGANIC ANALYSIS 62-550.310(2)(8) (PWS028)

Param	ieter		Sample	Analysis	Analysis	Analysis	Lab
<u>1D</u>	<u>Name</u>	<u>(MCL μg/l)</u>	Number	Result (µq/l)	Method	Date MDL	<u>1D</u>
2378	1,2,4-TRICHLOROBENZEN	E (70)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2380	CIS-1,2-DICHLOROETHYLE	NE (70)	10162-01	0.2 U	EPA 502.2	12/28/96 0.2	84269
2955	XYLENES (TOTAL)	(10,000)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2964	DICHLOROMETHANE	(5)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2968	O-DICHLOROBENZENE	(600)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2969	PARA-DICHLOROBENZENE	(75)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2976	VINYL CHLORIDE	(1)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2977	1,1-DICHLOROETHYLENE	(7)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2979	TRANS-1,2-DICHLOROETH	YLENE (100)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2980	1,2-DICHLOROETHANE	(3)	10162-01	0.2 U	EPA 502.2	12/28/96 0.2	84269
2981	1,1,1-TRICHLOROETHANE	(200)	10162-01	0.3 U	EPA 502.2	12/28/96 0.3	84269
2982	CARBON TETRACHLORIDE	(3)	10162-01	0.3 U	EPA 502.2	12/28/96 0.3	84269
2983	1,2-DICHLOROPROPANE	(5)	10162-01	0.3 U	EPA 502.2	12/28/96 0.3	84269
2984	TRICHLOROETHYLENE	(3)	10162-01	0.2 U	EPA 502.2	12/28/96 0.2	84269
2985	1,1,2-TRICHLOROETHANE	(5)	10162-01	0.3 U	EPA 502.2	12/28/96 0.3	84269
2987	TETRACHLOROETHYLENE	(3)	10162-01	0.2 U	EPA 502.2	12/28/96 0.2	84269
2989	MONOCHLOROBENZENE	(100)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2990	Benzene	(1)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2991	TOLUENE	(1,000)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2992	ETHYLBENZENE	(700)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269
2996	STYRENE	(100)	10162-01	0.5 U	EPA 502.2	12/28/96 0.5	84269

U - Analyte was not detected; indicated concentration is method detection limit.

÷

PESTICIDE/PCB CHEMICAL ANALYSIS 62-550.310(2)(c) (PWS029)

			(, , , , , , , , , , , , , , , , , , ,	,				
Param	eter		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	Name	(MCL µg/l)	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	Date	<u>MDL</u>	
2005	ENDRIN	(2)	10071-01	0.01 U	EPA 508	12/24/96	0.01	84269
2010	LINDANE	(.2)	10071-01	0.01 U	EPA 508	12/24/96	0.01	84269
2015	METHOXYCHLOR	(40)	10071-01	0.02 U	EPA 508	12/24/96	0.02	84269
2020	TOXAPHENE	(3)	10071-01	0.2 U	EPA 508	12/24/96	0.2	84269
2031	DALAPON	(200)	10071-01	1 U	EPA 515.1	12/31/96	1	84269
2032	DIQUAT	(20)	10071-01	1 U	EPA 549.1	12/24/96	4	84269
2033	ENDOTHALL	(100)	10071-01	10 U	EPA 548	12/24/96	10	84269
2034	GLYPHOSATE	(700)	10071-01	10 U	EPA 547	12/24/96	10	84269
2035	DI(2-ETHYLHEXYL)ADIPATE	(400)	10071-01	1 U	EPA 506	12/24/96	1	84269
2036	OXAMYL (VYDATE)	(200)	10071-01	0.5 U	EPA 531.1	01/06/97	0.5	84269
2037	SIMAZINE	(4)	10071-01	0.1 U	EPA 507	12/24/96	0.1	84269
2039	DI(2-ETHYLHEXYL)PHTHALAT		10071-01	1 U	EPA 506	12/24/96	1	84269
2040	PICLORAM	(500)	10071-01	0.2 U	EPA 515.1	12/31/96	0.2	84269
2041	DINOSEB	(7)	10071-01	0.2 U	EPA 515.1	12/31/96	0.2	84269
2042	HEXACHLOROCYCLOPENTADI	ENE (50)	10071-01	0.1 U	EPA 505	12/26/96	0.1	84269
2046	CARBOFURAN	(40)	10071-01	0.5 U	EPA 531.1	01/06/97	0.5	84269
2050	ATRAZINE	(3)	10071-01	0.1 U	EPA 507	12/24/96	0.1	84269
2051	ALACHLOR	(2)	10071-01	0.3 U	EPA 507	12/24/96	0.3	84269
2065	HEPTACHLOR	(.4)	10071-01	0.01 U	EPA 508	12/24/96	0.01	84269
2067	HEPTACHLOR EPOXIDE	(.2)	10071-01	0.01 U	EPA 508	12/24/96	0.01	84269
2105	2,4-D	(70)	10071-01	0.5 U	EPA 515.1	12/31/96	0.5	84269
2110	2,4,5-TP (SILVEX)	(50)	10071-01	0.05 U	EPA 515.1	12/31/96	0.05	84269
2274	HEXACHLOROBENZENE	(1)	10071-01	0.01 U	EPA 508	12/24/96	0.01	84269
2306	BENZO(A)PYRENE	(.2)	10071-01	0.01 U	EPA 550	12/24/96	0.01	84269
2326	PENTACHLOROPHENOL	(1)	10071-01	0.05 U	EPA 515.1	12/31/96	0.05	84269
2383	PCB	(.5)	10071-01	0.05 U	EPA 508	12/24/96	0.05	84269
2931	DIBROMOCHLOROPROPANE	(.2)	10071-01	0.005 U	EPA 504	12/23/96	0.005	84269
2946	ETHYLENE DIBROMIDE	(.02)	10071-01	0.005 U	EPA 504	12/23/96	0.005	84269
2959	CHLORDANE	(2)	10071-01	0.05 U	EPA 508	12/24/96	0.05	84269

UNREGULATED GROUP I ANALYSIS 62-550.405 (PWS035)

Param	eter		Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name</u>	(MCL µa/l)	<u>Number</u>	<u>Result (µg/l)</u>	<u>Method</u>	Date	<u>MDL</u>	<u>ID</u>
2021	CARBARYL		10071-01	0.5 U	EPA 531.1	01/06/97	0.5	84269
2022	METHOMYL		10071-01	0.5 U	EPA 531.1	01/06/97	0.5	84269
2043	ALDICARB SULFOXIDE		10071-01	0.5 U	EPA 531.1	01/06/97	0.5	84269
2044	ALDICARB SULFONE		10071-01	- 0.5 U	EPA 531.1	01/06/97	0.5	84269
2045	METOLACHLOR		10071-01	0.3 U	EPA 507	12/24/96	0.3	84269
2047	ALDICARB		10071-01	0.5 U	EPA 531.1	01/06/97	0.5	84269
2066	3-HYDROXYCARBOFURAN		10071-01	0.5 U	EPA 531.1	01/06/97	0.5	84269
2077	PROPACHLOR		10071-01	0.05 U	EPA 508	12/24/96	0.05	84269
2356	Aldrin		10071-01	0.01 U	EPA 508	12/24/96	0.01	84269
2364	DIELDRIN		10071-01	0.01 U	EPA 508	12/24/96	0.01	84269
2440	DICAMBA		10071-01	0.05 U	EPA 515.1	12/31/96	0.05	84269
2595	METRIBUZIN		10071-01	0.2 U	EPA 507	12/24/96	0.2	84269

U - Analyte was not detected; indicated concentration is method detection limit.

K - Analyte was less than indicated concentration; indicated concentration is method detection limit multiplied by sample dilution factor.

¹ - Reduced sample volume used for analysis due to interference from sediment.

UNREGULATED GROUP II ANALYSIS 62-550.410 (PWS034)

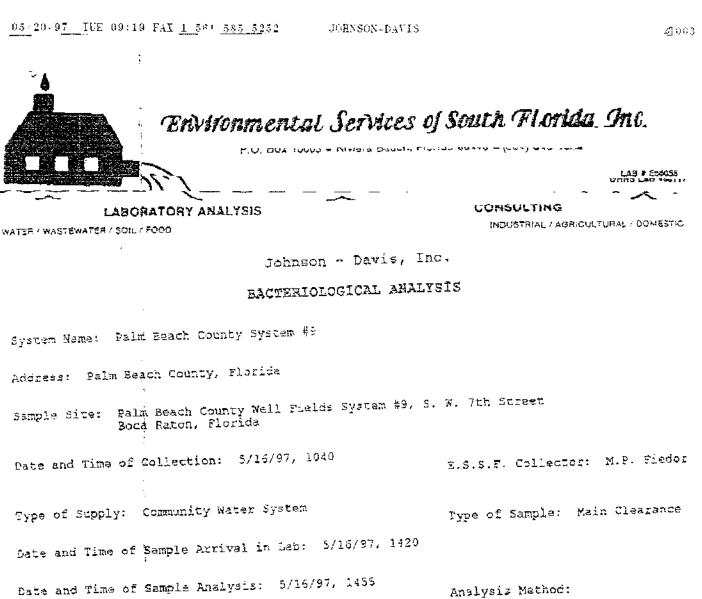
Paran ID	neter <u>Name (MCL µg/l)</u>	Sample <u>Number</u>	Analysis Result (µg/l)	Analysis <u>Method</u>	Analysis <u>Date</u>	<u>MDL</u>	Lab <u>ID</u>
2210	CHLOROMETHANE	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2212	DICHLORODIFLUOROMETHANE	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2214	BROMOMETHANE	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2216	Chloroethane	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2218	TRICHLOROFLUOROMETHANE	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2251	METHYL-TERT-BUTYL-ETHER	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2408	DIBROMOMETHANE	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2410	1,1-DICHLOROPROPYLENE	10071-01	0.3 U	EPA 502.2	12/28/96	0.3	84269
2412	1,3-DICHLOROPROPANE	10071-01	0.3 U	EPA 502.2	12/28/96	0.3	84269
2413	1,3-DICHLOROPROPENE	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2414	1,2,3-TRICHLOROPROPANE	10071-01	0.3 U	EPA 502.2	12/28/96	0.3	84269
2416	2,2-DICHLOROPROPANE	10071-01	0.3 U	EPA 502.2	12/28/96	0.3	84269
2941	CHLOROFORM	10071-01	0.2 U	EPA 502.2	12/28/96	0.2	84269
2942	BROMOFORM	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2943	BROMODICHLOROMETHANE	10071-01	0.3 U	EPA 502.2	12/28/96	0.3	84269
2944	DIBROMOCHLOROMETHANE	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2965	O-CHLOROTOLUENE	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2966	P-CHLOROTOLUENE	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2967	M-DICHLOROBENZENE	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269
2978	1,1-DICHLOROETHANE	10071-01	0.3 U	EPA 502.2	12/28/96	0.3	84269
2986	1,1,1,2-TETRACHLOROETHANE	10071-01	0.3 U	EPA 502.2	12/28/96	0.3	84269
2988	1,1,2,2-TETRACHLOROETHANE	10071-01	0.3 U	EPA 502.2	12/28/96	0.3	84269
2993	BROMOBENZENE	10071-01	0.5 U	EPA 502.2	12/28/96	0.5	84269

UNREGULATED GROUP III ANALYSIS 62-550.415 (PWS036 & 037*)

Param	leter	Sample	Analysis	Analysis	Analysis		Lab
<u>ID</u>	<u>Name</u> (MCL μg/l)	Number	Result (µg/l)	Method	Date	<u>MDL</u>	<u>ID</u>
2262	ISOPHORONE	10071-01	1 U	EPA 609	12/24/96	1	84269
2270	2,4-DINITROTOLUENE	10071-01	1 U	EPA 609	12/24/96	1	84269
2282	DIMETHYLPHTHALATE	10071-01	1 U	EPA 506	12/24/96	1	84269
2284	DIETHYLPHTHALATE	10071-01	1 U	EPA 506	12/24/96	1	84269
2290	DI-N-BUTYLPHTHALATE	10071-01	1 U	EPA 506	12/24/96	1	84269
2294	BUTYL BENZYL PHTHALATE	10071-01	1 U	EPA 506	12/24/96	1	84269
9089	DIOCTYLPHTHALATE	10071-01	1.0	EPA 506	12/24/96	1	84269
9108*	2-CHLOROPHENOL	10071-01	5 U	EPA 604	12/16/96	5	84269
9112*	2-METHYL-4,6-DINITROPHENOL	10071-01	20 U	EPA 604	12/16/96	20	84269
9115*	PHENOL	10071-01	5 ป	EPA 604	12/16/96	5	84269
9116*	2,4,6-TRICHLOROPHENOL	10071-01	10 U	EPA 604	12/16/96	10	84269

.

U - Analyte was not detected; indicated concentration is method detection limit.



Michael a. Frider

Michael A. Fiedor Director

* P - Colliorms are present A - Coliforns are shreat.

Sample

Point

Samply No.

2.

Totel

235 C

(mg/1)

pЯ

C - Configent growth THIS - Teo numerous to could

Analysis Mathod:

MTTY

NOU

Light

Coliforn

λŒ

Colligen, ME/100 ml

TOT 9.

À

MC-MDG

Conflem

Tetal

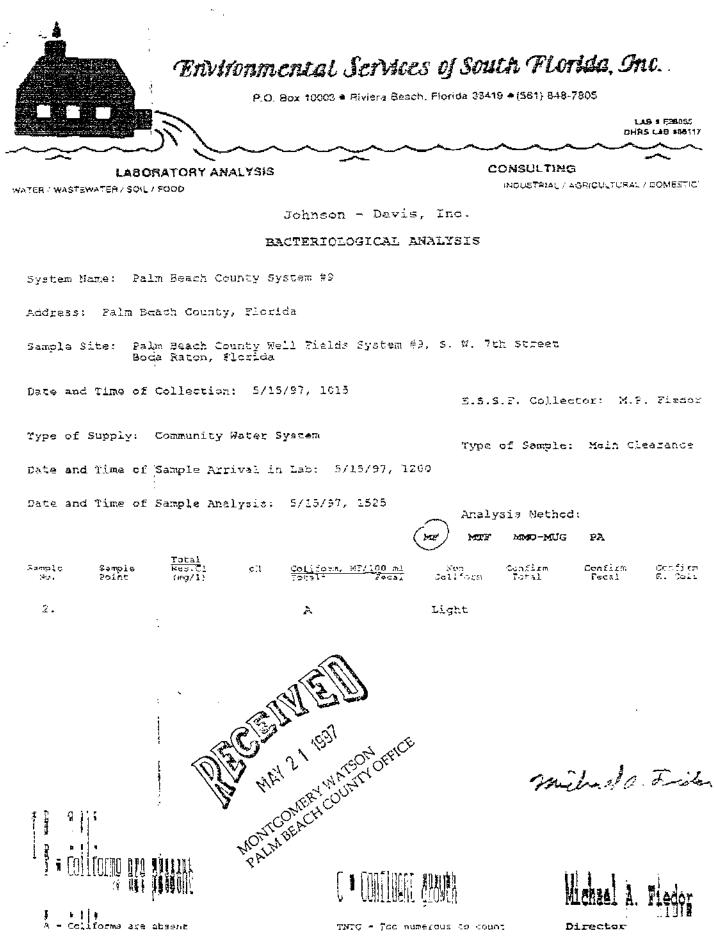
А

 \mathbf{PA}

Confirm

Fecal

Confirm 1. Coli



South East Drilling

Tampa, FI. 33624

11505 N. Grady Avenus

Attention: Bart Ziegler

FAX:

Envirodyne inc.

4

MAY 28 197 17:25

4805 N.W. 2nd Avenue Boco Raton, FL 33431 561-989-5225

May 1, 1997 Report: 9704000278 Sample No: 9704000278 1

Project: PIK: WF Expansion - System 9 22438 SW 7th Street Boca Raton, PL Collected on: 04/23/97 Collected by: Bart Ziegler Received on: 04/24/97 SAMPLE ID: Sys 9 #ik Date of Analysis: 04/27/97 Date of Extraction: 04/25/97 8270A DIOXIN ANALYST DL UNITS RESULT PARAMETER DWK

2,3,7,8-Tertachlorodibenzo-a-dioxin

Analysis contained herein conform to EPA and DEP approved methods per Envirodyne Comprehensive Quality Assurance Plan No. 890041G. Additional Laboratory Certification numbers: E86006, 86408, E83079, E86240, South Caroline 96022. All relevant quality assurance samples were within specified control limits unless otherwise stated.

Absent

Inciones

Michael Rentoumis President, Envirodyne, inc.

:

tenno

Cleg i Alinko, Ph.D. Quality Assurance Director

20 µg/L



Appendix G



MONTGOMERY WATSON

Well Completion Reports

WELL COMPLETION REPORT

WELL PERMIT NO. <u>SE060796N</u> SFWMD WATER USE PERMIT NO. <u>N/A</u>

· 11/90	-	• - D-4	T.T .	ם ח	FT 33416-6097
. alm Beach County Water Utl. Dept., 2065	Prar City	<u>le Ku.</u> '	S S	tate	Zip
Owner 9078 06/28/96 Contractor Signature License No. Completion Date		164 • 5 Casing Depth	·		al Depth Well #
	Grout	Casing & Screen	Depl	h (IL)	DRILL CUTTINGS LOG Examine cultings every 20 ft. or at lormation changes Give cofor, grain size, and
TYPE OF WORK: Construct () Repair () Abandon KX WELL USE: Domestic Well () Public (X Monitor () Test () Irrigation () Fire Well () Other	Thick- ness & Depth	Diameter & Depth	I FROM	То	type of material Note cavities, depth to producing zones
METHOD: Rotary with MUD () or Air (), Cable Tool (), Jet ()		10110	54.5		
Casing Driven (), Other			164.	5 1	07 Rocked well
Casing University, Officer				<u> </u>	from 164.5 to 97
STATIC WATER LEVEL <u>6</u> Ft. below top of casing PUMPING WATER LEVEL N/A Ft. after N/A Hrs. at N/A GPM		<u> </u>			1 ¹ / ₂ yards
PUMPING WATER LEVEL MY A FI aller MY A COM	<u> </u>				· · · · · · · · · · · · · · · · · · ·
PUMP SIZE N/A H.P. CAPACITY N/A GPM		<u>├</u> ∱	107	0	Neat cement
PUMP TYPEN/AINTAKE DEPTHN/A				<u> </u>	
	ļ	┢╌┈╅─		<u>†</u>	
		╆╾╌╍┾──		╉───	
		┼╾┈╅─		<u>†</u>	
Located Near	·	╅╾╼╂╌			
on System No. 1 WTB	Number	┢──┼─		+	+
County PBC	of bags		<u> </u>		
31 43 43				- 	
4 Section Township Range	L		<u> </u>	<u> </u>	
	Casino	: Black S	Steel () Galv	/.()PVC()Fiberglass()
Latitude-Longitude	Screet	n: Type _		s	lot size(ft.)
	Screet	ned from	164.	<u>5</u>	(ft.) to <u>107</u> (ft.)
'uttings sent to District? () Yes	Tuna	of arout v	vith % ar	Sditive	es
() NO LOCATE IN SECTION	Mator	Close /) Color	ed () Suiphur () Salty () Iron ()
Note: PWS Wells attach a site map if weil location is different	water.	, Oscar (, 00.01	~~, С	hlorides mg/l
from site location on permit application.	Conde	попана –			

FORM 0124 + 11/90 WELL COMPLETION REPORT FORM 0124 Rev 11 90

.

WELL PERMIT NO. _____SF0607960 SFWMD WATER USE PERMIT NO. _____N/A

.

~

Palm Beach County Water Ut1. Dept., 2	065.Pr	arie Rd		W_P	B. FI. 33416-6097
Address 9078 06/28/	0 96	¹⁹ 176	• 5	late 1	
Contractor soupature License No. Completion Date	e	Casing Depth		Tota	7.6
CYPE OF WORK: Construct () Repair () Abandon (X)	Grout	Casing & Screen	Depti	h (ft)	DRILL CUTTINGS LOG Examine cuttings every 20 it. or at formation changes Give color, grain size, and
WELL USE: Domestic Well () Public X) Monitor () Test () Irrigation () Fire Well () Other	Thick- ness & Depth	Diameter & Depth	From	То	type of material Note cavities, depth to producing zones.
METHOD: Rotary with MUD () or Air (), Cable Tool (), Jet ()		10 176			
Casing Driven (), Other <u>N/A</u>		L	176	127	yard gravel
STATIC WATER LEVEL 6 Ft. below top of casing			127		Neat cement
PUMPING WATER LEVEL N/A Ft. after N/A Hrs. at N/A GPM					
PUMP SIZE N/A H.P. CAPACITY N/A GPM					
PUMP TYPE N/A INTAKE DEPTH N/A					
LOCATION					
Located Near North of					
Duncan, N. of 13th ST					
County PBC					
	Number of bags				
31 43 43					
4 Section Township Range					
h	Casino	Black Stee	11 11	Galu	() PVC () Fiberglass ()
Latitude-Longitude					t size
					(t.) to (ft.)
Cuttings sent to District? () Yes (X) NO LOCATE IN SECTION					, , ,
(X.) NO LOCATE IN SECTION Cote: PWS Wells attach a site map if well location is different	• •	•			Sulphur () Salty () Iron ()
from site location on permit application.					
	Conduc			- Uni	orides mg/ł

WELL COMPLETION REPORT FORM 0124 Rev 11:90 WELL PERMIT NO. SF060796P

SFWMD WATER USE PERMIT NO. N/A

Palm Beach County Water Utl. Dept., 20 Owner Address 9078 06/28/ Contractor Supalling License No.	′ <u>96 </u>	180 Casing D			18	O		
TYPE OF WORK: Construct () Repair () Abandon XX	Grout	Casil	2	Dept	h (ft)	or at formals	tings every 20 II. on changes	
WELL USE: Domestic Well () Public (X Monitor () Test () Irrigation () Fire Well () Other <u>N/A</u>	Thick- ness & Depth		nøler epth	From	Τg	Give color, g type of mate Note cavities producing ze	s, depth to	
METHOD: Rotary with MUD () or Air (), Cable Tool (), Jet ()		10"	180	b				
Casing Driven (), Other <u>N/A</u>			j	80	130	1 ₅ vai	rd rock	
STATIC WATER LEVEL 6 Ft. below top of casing		Γ		130			cement.	
PUMPING WATER LEVEL N/A Ft. after N/AHrs. at N/A GPM								
PUMP SIZE N/A H.P. CAPACITY N/A GPM								
NIMP TYPE N/A INTAKE DEPTH N/A								
From top of ground								
				-				
LOCATION		[[
ocated Near South side of	[[·	
Belveder, W. of 5th Sp								
County PBC	Number of bags							.
31 43 43	[<u> </u>			<u> </u>
31 40 40		[į .	l <u></u>		
	Casing	Blac	k Stee	el (_)	Galv.	() PVC	()Fibergla	iss ()
Latilude-Longitude								
	Screen	ed fro				ft.) to	(ft	.)
Cuttings sent to District? () Yes K) NO LOCATE IN SECTION						s		
Note: PWS Wells attach a site map if well location is different							() Salty () Iron (
from site location on permit application.								

WELL COMPLETION REPORT

FORM 0124 Rev 11/90

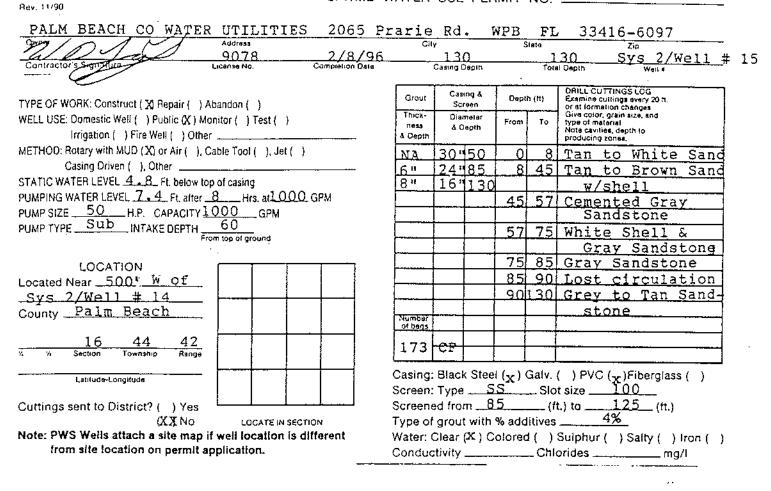
WELL PERMIT NO. _____SF0607960 SFWMD WATER USE PERMIT NO. _____NZA

.

Palm Beach Water Utl. Dept., 2065 Prarie	Rd.	. W.	P.B		FL	33416-6097
Address 9078 06/28/96		, 80		5		30 6
Contractor's Signature License No. Completion Date		Casing C)epth			al Depth Well #
	[]	Casi	ng &			DRILL CUTTINGS LOG
T/PE, OF WORK: Construct () Repair () Abandon (X)	Grout	Scre	•	Dept	h (fl)	Exemine cuttings every 20 (I. or at formation changes
WELL USE: Domestic Well () Public (X) Monitor () Test ()	Thick-		neler ritge	From	Τo	Give color, grain size, and type of material
Irrigation () Fire Well () Other	& Depth	a.)	ahuu			Note cavilies, depth to producing zones.
METHOD: Rotary with MUD() or Air(), Cable Tool(), Jet()		10"	18	0		
Casing Driven (), Other <u>N/A</u>			-	180	130	1/2 yard rock
STATIC WATER LEVEL Ft. below top of casing				130	0	Cement grout
PUMPING WATER LEVEL N/A _ Ft. after N/A _ Hrs. at _ N/A _ GPM						_
PUMP SIZE N/A H.P. CAPACITY N/A GPM						
PUMP TYPE <u>N/A</u> INTAKE DEPTH <u>N/A</u> From top of ground						
Located Near South side	ļ					
Belveder, w. of Congress						
CountyPBC	Number					
	of bags					
31 43 43 Vi Vi Section Township Renge						
A A Sector Township Hange	L			1		
Latitude-Longitude	-					() PVC () Fiberglass ()
		•••				ot size
Cuttings sent to District? () Yes						it.) to (ft.)
(^X) NO LOCATE IN SECTION	• •	-				Redeburg () Salty () Iron ()
te: PWS Wells attach a site map if well location is different from site location on permit application.						Sulphur () Salty () Iron ()
nom and rocation on permit application.	Conauc	avity			UNI	orides mg/l

WELL COMPLETION REPORT FORM 0124 WELL PERMIT NO. _____SF060796J

SFWMD WATER USE PERMIT NO. ____

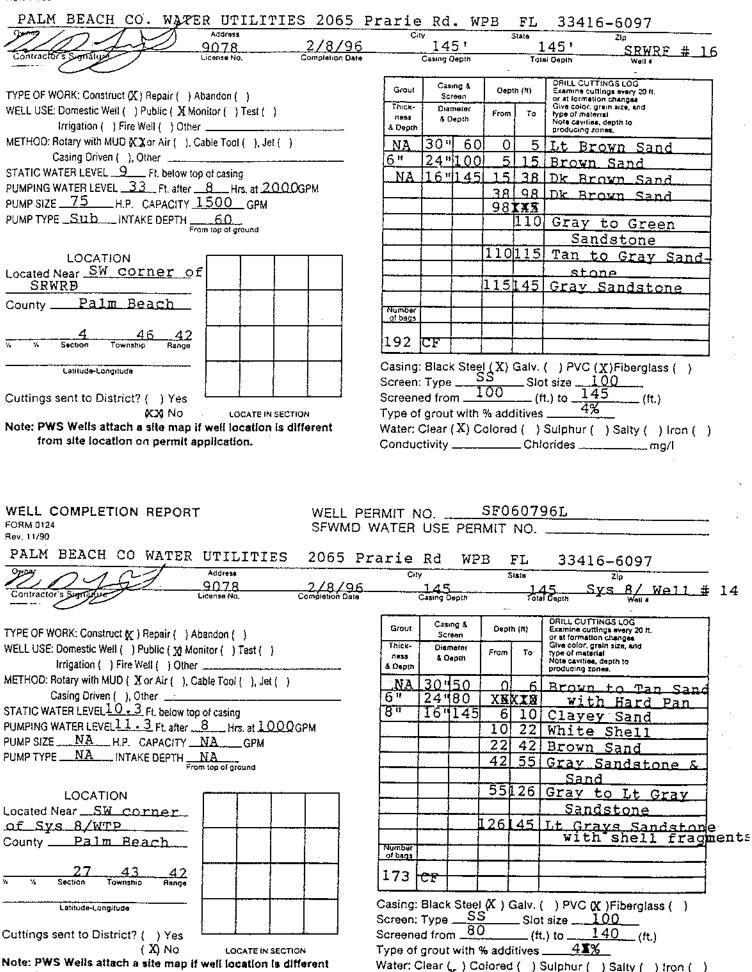


WELL COMPLETION REPORT FORM 0124 Rev. 11/90 WELL PERMIT NO. ______SF060796M______ SFWMD WATER USE PERMIT NO. ______

PALM BEACH CO WATER UTILITIES 2065 Pr			W	PΒ	FL	33416-6097							
Contractor Completion Date		City 140			State	140Sys 8/Well # 13							
License Mg. Completion Date		Casing Depth			Ťo	tal Depth Well #							
TYPE OF WORK: Construct X) Repair () Abandon ()	Grout	Grout Cesing & Screen		Dep	IN (ft)	DRILL CUTTINGS LOG Examine cuttings every 20 ft.							
WELL USE: Domestic Well () Public (X) Monitor () Test ()			meter	From	Το	or at formation changes Give color, grain size, and type of material							
Irrigation () Fire Well () Other	i nesa & Depth		Depth			Note cavities, depth to producing zones,							
/ETHOD: Rotary with MUD (X or Air (), Cable Tool (), Jet ()	NA	30"	50	0	14	Sand							
Casing Driven (), Other STATIC WATER LEVEL Ft. below top of casing	6"	24"		14	47	Shell with Sand							
UMPING WATER LEVEL Ft. after Hrs. at GPM	8"	16"	140	47	74	Gray Limestone							
UMP SIZE <u>NA</u> H.P. CAPACITY <u>N9</u> GPM	}	+	[74	_	Medium Shell							
UMP TYPE <u>NA</u> INTAKE DEPTH <u>NA</u>			-	111	14	Broken Shell &							
Fram top at ground						Limestone							
ocated Near <u>NE corner</u>													
Of Sys 8 WTP													
county Palm_Beach	Number	 											
27 43 42	of bags	<u>∤</u>											
% Section Township Range	173	- ef		İ	<u> </u>								
Latitude-Longitude	Casino	: Black	Steel	 [(Galv	()PVC (√)Fiberglass ()							
	Screen	: Type	<u>S</u>	S ^X		t size <u>100</u>							
uttings sent to District? () Yes	Screen	ed from	n8	0	(t.) to <u>135</u> (ft.)							
(X) NO LOCATE IN SECTION	Type of	f grout	with ^a	% add	Screened from <u>80</u> (ft.) to <u>135</u> (ft.) Type of grout with % additives <u>4%</u>								
ote: PWS Wells attach a site map if well location is different	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Nater: Clear (X) Colored () Sulphur () Salty () iron ()											
from site location on permit application	Water:	Clear ((X) Co	olorac	! (_)	Sulphur () Salty () iron ()							
VELL COMPLETION REPORT WELL PE	Water: Conduc	 10			_ Chi	orides mg/l							
VELL COMPLETION REPORT WELL PE ORM 0124 SFWMD V ALM REPORT SFWMD V	Water: Conduc Conduc RMIT N WATER	NO	PER	MIT	_ Chi SF NO.	060796x							
VELL COMPLETION REPORT ORM 0124 ev. 11/90 ALM BEACH CO WATER UTILITIES 2065 Pro- Address	Water: Conduc Conduc RMIT N WATER	NO	PER	MIT	_ Chi SF NO.	060796x							
VELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro Address 9078 2/8/96	Water: Conduc RMIT N WATER	NO USE	PER	MIT	_ Chi SF NO. FL	<u>060796x</u> <u>33416-6097</u> 125 Svs 2 # 14							
VELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro 9078 2/8/05	Water: Conduc RMIT N WATER	NO	PER	MIT	_ Chi SF NO. FL	060796K 33416-6097							
from site location on permit application. VELL COMPLETION REPORT WELL PE ORM 0124 SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro- Addressa 9078 2/8/96 License No. Completion Date	Water: Conduc RMIT N WATER	NO. USE VISE Casing On Casing On	PER WP 5	MIT Bs	_ Chi SF NO. FI. Tote	060796K 33416-6097 125 Sys 2 # 14 Nopth Well 4							
from site location on permit application. /ELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V av. 11/90 SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro- Address 2065 Pro- 2078 Completion Date 9078 Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon ()	Water: Conduc RMIT N WATER	NO. USE VISE Casing Di Casing Co	PER WP 5 spin	MIT B	_ Chi SF NO. FL Tote	Orides mg/l							
from site location on permit application. /ELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V No. 11/90 SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro- Address 2065 Pro- 9078 Vener Address Sontractor Signature License No. Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (w) Repair () Abandon () Test () Irrigation () Fire Well () Other Test ()	Water: Conduc Conduc RMIT N WATER Citr Citr Citr Citr Citr Citr Citr Citr	NO. USE VISE Casing On Casing On	PER WP 5 septh	MIT Bs	_ Chi SF NO. FI. Tote	Orides mg/l							
from site location on permit application. YELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V VI 11/90 SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro- Address 2065 Pro- 2/8/96 Vener Address Solution of Stockers 9078 License No. Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repai	Water: Conduc Conduc RMIT N WATER Cir Grout Thick- ness & Depite	NO. USE Rd. <u>12</u> Casing Di Casing Di Casing Di Biam & De	PER WP 5 spth on ater pth	MIT B	_ Chi SF NO. FL Tote	Orides mg/l 060796K <u>33416-6097</u> <u>Zip</u> 125 Sys 2 # 14 ORILL CUTTINGS LOG Examine cuttings every 20 h. or at formation changes Give color, grain size, and type of material Note cavities, depith to producing zones.							
from site location on permit application. ELL COMPLETION REPORT WELL PE RM 0124 SFWMD V NIM BEACH CO WATER UTILITIES 2065 Pro- Address 9078 20078 2/8/96 Completion Date License No. Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () License No. Completion () Fire Well () Other	Water: Conduc Conduc RMIT N WATER Citr Citr Citr Citr Citr Citr Citr Citr	IO. USE Rd. 12 Casing Di Casing Di Diam & Do	PER WP 5 spin ater pth 50	MIT B	_ Chi SF NO. FI Tote Tote 5	Orides mg/l 060796K <u>33416-6097</u> <u>20</u> <u>125</u> <u>Sys</u> <u>2</u> <u>#</u> <u>14</u> 000000000000000000000000000000000000							
from site location on permit application. VELL COMPLETION REPORT WELL PE DBM 0124 SFWMD V DRM 0124 SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro- Addressa 9078 Ontractor Stondard 9078 License No. Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion (Water: Conduc Conduc RMIT N WATER Cir Grout Thick- ness & Depite NA	NO. USE Rd. <u>12</u> Casing Di Casing Di Casing Di Biam & De	PER WP 5 spth ster pth 50 80	MIT B	_ Chi SF NO. FI Tote Tote Tote 5 45	Orides mg/l 060796K <u>33416-6097</u> <u>20</u> 125 Sys 2 # 14 0 Opth Well 4 ORILL CUTTINGS LOG Examine cuttings every 20 h. or at formation changes Give color, grain size, and type of material Note cavilies, depth to producing zones. Tan to White Sand Tan to Brn Snd was							
from site location on permit application. VELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V VILWOR SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro- Address 9078 Vener Address Vener Address Solution Still Vener Address Solution Still Vener Address Solution Still Vener Address Solution Still Vener Address Still Still Vener Address Still Still Vener Still Still Still Vener Still Still Still PE OF WORK: Construct (x) Repair () Abandon () ALL USE: Domestic Well () Public x) Monitor () Test () Irrigation () Fire Well () Other	Water: Conduc Conduc RMIT N WATER WATER Cir Grout Thick- ness & Dapin NA 6 If	IO. USE ISE ISE Casing Di Scre Diam & Do Diam	PER WP 5 spth ster pth 50 80	MIT B	Chi SF NO. Tote 	Orides mg/l 060796K <u>33416-6097</u> <u>21p</u> 125 Sys 2 # 14 10epth Well 4 ORILL CUTTINGS LOG Examine cuttings every 20 t. or at formation changes Give color, grain size, and type of material Note cavities, depth to producing zones. Tan to White Sand Tan to Brn Snd w/s Cemented Grav Sand							
from site location on permit application. PELL COMPLETION REPORT WELL PE NRM 0124 SFWMD V ALM BEACH CO WATER UTILITIES 2065 Processor SFWMD V Address 9078 2/8/96 Contractor Structerer License No. Completion Date PE OF WORK: Construct (x) Repair () Abandon () License No. Completion Date PE OF WORK: Construct (x) Repair () Abandon () License No. Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Cable Tool (), Jet () Completion Date Completion Date THOD: Rotary with MUD (x) or Air (). Cable Tool (), Jet () Casing Driven (). Other Completion Date MPING WATER LEVEL 3. 3 Ft. below top of casing MPING WATER LEVEL A 2 Ft. attter 8 Hrs. at I DODGPM	Water: Conduc Conduc RMIT N WATER WATER Cir Grout Thick- ness & Dapin NA 6 If	IO. USE ISE ISE Casing Di Scre Diam & Do Diam	PER WP 5 spth ster pth 50 80	MIT B	_ Chi SF NO. FL Totate Totate Totate Totate Totate Totate Totate Totate Totate Totate Totate	Orides mg/l 060796K 33416-6097 125 Sys 2 # 14 DRILL CUTTINGS LOG Examine cuttings every 20 t. or at formation changes Give color, grain size, and type of material Note caviline, depth to producing zones. Tan to White Sand Tan to Brn Snd w.s. Cemented Gray Sand White shell & Gray							
from site location on permit application. VELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V VII NO SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro- Address 9078 Vener Address Vener Address Sontractor Stignature UTILITIES 2065 Pro- Address Sontractor Stignature License No. Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Coller Completion Date THOD: Rotary with MUD (x) or Air (), Cable Tool (), Jet () Casing Driven (), Other ATIC WATER LEVEL 3. 3 Ft, below top of casing <t< td=""><td>Water: Conduc Conduc RMIT N WATER WATER Cir Grout Thick- ness & Dapin NA 6 If</td><td>IO. USE ISE ISE Casing Di Scre Diam & Do Diam</td><td>PER WP 5 spth ster pth 50 80</td><td>MIT B</td><td>_ Chi SF NO. FL Totate Totate Totate 55 78 85</td><td>Oridesmg/l 060796K <u>33416-6097</u> <u>125 Sys 2 # 14</u> DRILL CUTTINGS LOG Examine cuttings every 20 h. or at formation changes Give color, grain size, and type of material Note cavilines, depth to producing zones. Tan to White Sand Tan to Brn Snd w.s. Cemented Gray Sand White shell & Gray Sandstone Gray Sandstone</td></t<>	Water: Conduc Conduc RMIT N WATER WATER Cir Grout Thick- ness & Dapin NA 6 If	IO. USE ISE ISE Casing Di Scre Diam & Do Diam	PER WP 5 spth ster pth 50 80	MIT B	_ Chi SF NO. FL Totate Totate Totate 55 78 85	Oridesmg/l 060796K <u>33416-6097</u> <u>125 Sys 2 # 14</u> DRILL CUTTINGS LOG Examine cuttings every 20 h. or at formation changes Give color, grain size, and type of material Note cavilines, depth to producing zones. Tan to White Sand Tan to Brn Snd w.s. Cemented Gray Sand White shell & Gray Sandstone Gray Sandstone							
from site location on permit application. ELL COMPLETION REPORT WELL PE NEM 0124 SFWMD N NEM 0124 SFWMD N ALM BEACH CO WATER UTILITIES 2065 Pro- Address 9078 Ontractor Stigature 9078 License No. Completion Date PE OF WORK: Construct (x) Repair () Abandon () License No. Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () License No. Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () License No. Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () License No. Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () License No. LUUSE: Domestic Well () Public () Other	Water: Conduc Conduc RMIT N WATER WATER Cir Grout Thick- ness & Dapin NA 6 If	IO. USE ISE ISE Casing Di Scre Diam & Do Diam	PER WP 5 spth ster pth 50 80	MIT B	_ Chi SF NO. FL Totate Totate Totate 55 78 85	ORILL CUTTINGS LOG DRILL CUTTINGS LOG Examine cuttings every 20 t. or at formation changes Give color, grain size, and type of material Note cavilies, depth to producing zones. Tan to White Sand Tan to Brn Snd W.s. Cemented Gray Sand White shell & Gray Sandstone Gray Sandstone Tan to Gray Sand							
from site location on permit application. VELL COMPLETION REPORT WELL PE VRM 0124 SFWMD V VIL WELL PE SFWMD V Value SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro- Address 9078 Value 9078 2/8/96 Completion Date Science No. Completion Date Value Stimulation License No. Completion Date PE OF WORK: Construct (x) Repair () Abandon () License No. Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date Completion Date PE OF WORK: Construct (x) Repair () Other Completion Date	Water: Conduc Conduc RMIT N WATER WATER Cit Cit Grout Thick- ness & Dapin NA 6 If	IO. USE ISE ISE Casing Di Scre Diam & Do Diam	PER WP 5 spth ster pth 50 80	MIT B	_ Chi SF NO. FL Totate Totate Totate 55 78 85	Oridesmg/l 060796K <u>33416-6097</u> <u>125 Sys 2 # 14</u> DRILL CUTTINGSLOG Examine cuttings every 20 t. or at formation changes Give color, grain size, and type of material Note cavilies, depth to producing zones. Tan to White Sand Tan to Brn Snd w/s Cemented Gray Sand White shell & Gray Sandstone							
from site location on permit application. VELL COMPLETION REPORT WELL PE VRM 0124 SFWMD V VIL WELL PE SFWMD V Value SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro- Address 9078 Value 9078 2/8/96 Value Standard Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion () Completion Date PE OF WORK: Construct (x) Repair () Other Completion () Other	Water: Conduc Conduc RMIT N WATER WATER Cit Cit Grout Thick- ness & Dapin NA 6 If	IO. USE ISE ISE Casing Di Scre Diam & Do Diam	PER WP 5 spth ster pth 50 80	MIT B	_ Chi SF NO. FL Totate Totate Totate 55 78 85	ORILL CUTTINGS LOG DRILL CUTTINGS LOG Examine cuttings every 20 t. or at formation changes Give color, grain size, and type of material Note cavilies, depth to producing zones. Tan to White Sand Tan to Brn Snd W.s. Cemented Gray Sand White shell & Gray Sandstone Gray Sandstone Tan to Gray Sand							
from site location on permit application. VELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V N. 11/90 ALM BEACH CO WATER UTILITIES 2065 Process ALM BEACH CO WATER UTILITIES 2065 Process 9078 Vener Address Sontractor Signifier 9078 License No. Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Test () Completion Date PE OF WORK: Construct (x) Repair () Color () Test () Completion Date <t< td=""><td>Water: Conduc Conduc RMIT N WATER WATER Cit Cit Grout Thick- ness & Dapin NA 6 If</td><td>IO. USE ISE ISE Casing Di Scre Diam & Do Diam</td><td>PER WP 5 spth ster pth 50 80</td><td>MIT B</td><td>_ Chi SF NO. FL Totate Totate Totate 55 78 85</td><td>ORILL CUTTINGS LOG DRILL CUTTINGS LOG Examine cuttings every 20 t. or at formation changes Give color, grain size, and type of material Note cavilies, depth to producing zones. Tan to White Sand Tan to Brn Snd W.s. Cemented Gray Sand White shell & Gray Sandstone Gray Sandstone Tan to Gray Sand</td></t<>	Water: Conduc Conduc RMIT N WATER WATER Cit Cit Grout Thick- ness & Dapin NA 6 If	IO. USE ISE ISE Casing Di Scre Diam & Do Diam	PER WP 5 spth ster pth 50 80	MIT B	_ Chi SF NO. FL Totate Totate Totate 55 78 85	ORILL CUTTINGS LOG DRILL CUTTINGS LOG Examine cuttings every 20 t. or at formation changes Give color, grain size, and type of material Note cavilies, depth to producing zones. Tan to White Sand Tan to Brn Snd W.s. Cemented Gray Sand White shell & Gray Sandstone Gray Sandstone Tan to Gray Sand							
from site location on parmit application. /ELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V DRM 0124 SFWMD V N. 11/90 ALM BEACH CO WATER UTILITIES 2065 Processing ALM BEACH CO WATER UTILITIES 2065 Process 9078 Demon Address Demon 9078 Demon 9078 Demon Signifier License No. Completion Date Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date THOD: Rotary with MUD X or Air (). Cable Tool (), Jet () Casing Driven (), Other ATIC WATER LEVEL	Water: Conduc Conduc RMIT N WATER WATER Cit Cit Grout Thick- ness & Dapin NA 6 If	IO. USE ISE ISE Casing Di Scre Diam & Do Diam	PER WP 5 spth ster pth 50 80	MIT B	_ Chi SF NO. FL Totate Totate Totate 55 78 85	ORILL CUTTINGS LOG DRILL CUTTINGS LOG Examine cuttings every 20 t. or at formation changes Give color, grain size, and type of material Note cavilies, depth to producing zones. Tan to White Sand Tan to Brn Snd W.s. Cemented Gray Sand White shell & Gray Sandstone Gray Sandstone Tan to Gray Sand							
from site location on permit application. VELL COMPLETION REPORT WELL PE DBM 0124 SFWMD V DRM 0124 SFWMD V ALM BEACH CO WATER UTILITIES 2065 Pro- Address 2065 Pro- Address Dentractor Signifier License No. Completion Date 2/8/96 Dentractor Signifier License No. Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () License No. Campletion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Elicense No. Campletion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Elicense No. Casing Driven (), Other Completion Date THOD: Rotary with MUD & Or Air (). Cable Tool (), Jet () Casing Driven (), Other ATIC WATER LEVEL 33 Ft. below top of casing MPING WATER LEVEL 42 Ft. after 8 Hrs. at IOOOGPM MP SIZE 50 H.P. CAPACITY IOOO GPM MP TYPE SUD INTAKE DEPTH 60 From top of ground EOCATION EOCATION EOCATION LICE 1	Water: Conduc Conduc RMIT N WATER arie Grout Thick- ness & Depith NA 6 IT 8 IS Na 6 IT 8 IS	IOUSE USE Rd 12 Casing Di Casing	PER WP 5 spth ster pth 50 80	MIT B	_ Chi SF NO. FL Totate Totate Totate 55 78 85	ORILL CUTTINGS LOG DRILL CUTTINGS LOG Examine cuttings every 20 t. or at formation changes Give color, grain size, and type of material Note cavilies, depth to producing zones. Tan to White Sand Tan to Brn Snd W.s. Cemented Gray Sand White shell & Gray Sandstone Gray Sandstone Tan to Gray Sand							
Irom site location on permit application. VELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V av. 11/90 ALM BEACH CO WATER UTILITIES 2065 Pro- Address Owner Address Owner Address Completion Date 9078 Completion Date 2/8/96 Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Abandon () Completion Date PE OF WORK: Construct (x) Repair () Other	Water: Conduc Conduc RMIT N WATER arie Grout Thick- nees & Desit NA 6 If 8 If	IOUSE USE Rd 12 Casing Di Casing	PER WP 5 spth ster pth 50 80	MIT B	_ Chi SF NO. FL Totate Totate Totate 55 78 85	ORILL CUTTINGS LOG DRILL CUTTINGS LOG Examine cuttings every 20 t. or at formation changes Give color, grain size, and type of material Note cavilies, depth to producing zones. Tan to White Sand Tan to Brn Snd W.s. Cemented Gray Sand White shell & Gray Sandstone Gray Sandstone Tan to Gray Sand							
from site location on permit application. VELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V No. 11/90 Address 2065 Prz Address 9078 2/8/96 Dontractor Signature License No. Completion Date PE OF WORK: Construct (x) Repair () Abandon () License No. Completion Date PE OF WORK: Construct (x) Repair () Abandon () ELL USE: Domestic Well () Public X) Monitor () Test () Irrigation () Fire Well () Other	Water: Conduc RMIT N WATER arie Grout Thick- ness & Dapit NA 6 If 8 If 8 If 0 baga 173 T	IO. USE Rd. 12 Casing Di a Di 30' 24' 16' 16' 16' CF	PER WP 5 septh ater pfth 50 80 125	MIT B S Depth From 78 851	_ Chi SF NO. FI. tate To: 55 55 78 855 25	Oridesmg/l							
from site location on permit application. VELL COMPLETION REPORT WELL PE DRM 0124 SFWMD V av. 11/90 ALM BEACH CO WATER UTILITIES 2065 Prz Address 9078 Jointractors Structer 9078 Jointractors Structer Address Sontractors Structer 9078 Jointractors Structer Address Sontractors Structer Address Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () ELL USE: Domestic Well () Public X) Monitor () Test () Irrigation () Fire Well () Other	Water: Conduc RMIT N WATER Cir Grout Thick- ness & Depth NA 6 IT 8 IT 8 IT 0 bags 173 T Casing: Screen:	IO. USE Rd. 12 Casing Di Casing Di C	PER WP 5 setin ster pth 50 80 125	MIT B S Depth From 0 5 45 55 78 851 851	_ Chi SF NO. Tota Tota 5 55 78 85 25 25	Oridesmg/l OG60796K 							
Irom site location on permit application. VELL COMPLETION REPORT WELL PE DRM 0124 SFWMD N No. 11/90 Address ALM BEACH CO WATER UTILITIES 2065 Pro- Address 9078 Denter Address Sontractor Stighter Address Completion Date Completion Date Completion Date Completion Date PE OF WORK: Construct (x) Repair () Abandon () Elicense No. Casing Driven () Other Casing Trigonon () Fire Well () Other THOD: Rotary with MUD (x) or Air (), Cable Tool (), Jet () Casing Driven (), Other Casing Driven (), Other Alter & Hrs. at IDOOGPM MP TYPE SUb INTAKE DEPTH 60 From top of ground From top of ground LOCATION Township Castinuce-Longitude Township Unity Palm Beach	Water: Conduc RMIT N WATER Cir Grout Thick- ness & Dapith NA 6 If 8 If 8 If 0 daga 173 T Casing:	IVITY JOSE	PER WP 5 septiti 125 50 80 125 50 80 125 50 80 125 50 80 125 50 80 125 50 80 125 50 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 125 80 80 80 125 80 80 80 80 80 80 80 80 80 80	MIT B 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	_ Chi SF NO. FI Tota Tota 5 55 78 85 25 25 25 25 25 25 25 25 25 25 25 25 25	Oridesmg/l O60796K <u>33416-6097</u> <u>Zip</u> <u>125 Sys 2 # 14</u> ORILL CUTTINGS LOG Examine cuttings every 20 t. or at formation changes Give coic, grain size, and type of material Note cavities, depin to producing zones. Tan to White Sand Tan to Brn Snd w/s Cemented Gray Sand White shell & Gray Sandstone Gray Sandstone Tan to Gray Sand- stone) PVC &)Fiberglass () size 100) to 120 (ft)							

WELL COMPLETION REPORT FORM 0124 Rev. 11/90 WELL PERMIT NO. SF060796H

SFWMD WATER USE PERMIT NO. .



WELL COMPLETION REPORT FORM 0124 Rev. 11/90

WELL PERMIT NO. _____SF060796G _____SFWMD WATER USE PERMIT NO. _____

PALM BEACH CO WATER	UTLITIES	2065 Pra	rie	Rđ.	WF	в	FL		33416-6	197
Swner A E	Address 9078	2/8x/96	CI	City 145'		State				··
Contractoria Signatime	License No.	Completion Date		L 4D ' Casing Depth				4.D *	# 17	
								1.2.2	-	
TYPE OF WORK: Construct (χ) Repair () A	bandon (Grout	4	ing & reen	Dap	th (ft)	Examin	CUTTINGS LOG to cuttings every imition changes	20 ht.
WELL USE: Domestic Well () Public (X Mo	nitor () Test ()		Thick-		meter	From	To] Give co	olor, grain size, ar meteriei	nd
Irrigation () Fire Well () Other			& Depth	a 0)ep(h	1		Note ci	willes, depth to ing zones.	
METHOD: Rotary with MUD (X) or Air (), C			NA	30"	60	0	5	Lt	Brown :	Sand
Casing Driven (), Other		······································	6"		100	. 5	27		wn Sand	
STATIC WATER LEVEL <u>10</u> Ft, below top PUMPING WATER LEVEL <u>32</u> Ft, after <u>5</u>)cou	NA	16"	145	27	36		Brown S	
PUMP SIZE 75 H.P. CAPACITY		Дарм				. 36	87		<u>vn San</u> (
PUMP TYPE Sub INTAKE DEPTH	60 ¹		}		<u>-</u>	87	88		<u>y Clay</u>	
Fra	m top of ground			<u> </u>	<u> </u>	88			<u>wn San</u> d	
						<u></u>	143	Gra	y Sanda	stone
LOCATION Located Near Center of			<u>-</u>							
County Palm Beach										
•••••••			Number of begs							
4 46 42			211	CF.						
% % Section Township Range										
Latitude-Longitude			Casing:	Black	k Steel	(X)	Galv.	() P\	/C (x)Fiber	rglass ()
			Screen	Type		22	SIO	t cizo	100	
Cuttings sent to District? () Yes	1 <u> </u>	• 	Screen	ad from	m	100	(f	t.) to _		. (ft.)
(X) No	LOCATE IN SECT									
Note: PWS Wells attach a site map if from site location on permit ap	i well location is di		Water: (Clear	е) С	olored	d()	Sulpha	ur (–) Salty	· () Iron ()
nom and rocation on permit ap	opiication.		Conduc	tivity			_ Chl	orides		mg/l
					S	F06	079	6T		
WELL COMPLETION REPORT	•	WELL PER					079			
		WELL PER SFWMD W							, ,	
FORM 0124 Rev. 11/90		SFWMD W	ATER	USE	PER	MIT	NO.			16 6007
FORM 0124	ER UTILITI	SFWMD W	ATER	USE Le R	PER	MIT	NO. WPB	F	Zip	16-6097
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH	ER UTILITII	SFWMD W 25 2065 1 2/8/9 1 6	ATER Prari	USE Le R 14	PER	MIT	NO. WPB	 F 145'	SRWRF	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH	ER UTILITI	SFWMD W	ATER Prari	USE Le R	PER	MIT	NO. WPB	F	SRWRF	
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH Owner Contractor's Sugnature	ER UTILITII Address 9078 License No.	SFWMD W 25 2065 1 2/8/9 1 6	ATER	USE Le R ^y 14 Casing C	PER	MIT s	NO. WPB State	F 145 ' 10 O e pith		# 15 #*
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH Owner Contractor's Supervice TYPE OF WORK: Construct (x) Repair () Al	ER UTILITII Address 9078 License No. bandon ()	SFWMD W 25 2065 1 2/8/9 1 6	ATER Prari Cit	USE Le R ^y 14 Casing D Cast	PER	MIT s	NO. WPB	F 145 ' 1 Ospiti Dajiti Saution Saution	Zip SRWRF We CUTTINGS LOG e cuttings every 2 metion changes	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH Contractor's Supervice Contractor's Supervice TYPE OF WORK: Construct (x) Repair () All WELL USE: Domestic Well () Public (x Mo	ER_UTILITII Address 9078 License No. bandon () nitor () Test ()	SFWMD W 25 2065 1 2/8/9 1 6	ATER Prari Cit Grout Thick-	USE Le R ^y 14 Casing C Casi Scr Dian	PER	MIT s	NO. WPB State	F 1 45 r 1 0epiti ORILL Sxamin or at for Give co type of	Zip SRWRF We CUTTINGS LOG e cuttings every mation changes for, grain size, an material	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATE Owner Contractor's Supervice TYPE OF WORK: Construct (x) Repair () Al WELL USE: Domestic Well () Public (X Mo Irrigation () Fire Well () Other	ER UTILITIN Address 9078 License No. bandon () nitor () Test ()	SFWMD W 25 2065 1 2/8/9 1 6	ATER Prari Cit Grout Thick- ness & Depin	USE y 14 Casing C Casi Scr Dian & D	PER 2 d . 5 t Depth ing & cen nater epth	MIT	NO. WPB State Tota	F 1 45 r II Depth Examin Give co type of Note ce	Zip SRWRF We CUTTINGS LOG e cuttings every 2 mation changes lor, grain size, an	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH Output Contractor's Supervice Contractor's Supervice TYPE OF WORK: Construct (x) Repair () Al WELL USE: Domestic Well () Public (X Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD (x th or Air (), C.	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet ()	SFWMD W 25 2065 1 2/8/9 1 6	ATER Prari Cit Grout Thick- ness & Oepin NA	USE y 14 Casing C Casing C Dian & D 30 H	PER 2d. 51 Depth ing & regin epth 60	MIT S Dept From	NO. WPB State Tota h (11) To	F 1 45 ' 1 Depth Bxamin or at for Give co type of Note ce produci Lt	Zip SRWRF We CUTTINGS LOG e cutlings every 2 mation changes for, grain size, an material willes, depth to ng zones. Brown S	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH Owner Contractor's Supervice TYPE OF WORK: Construct (x) Repair () Al WELL USE: Domestic Well () Public (X Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD (x) or Air (), Ci Casing Driven (), Other	ER UTILITI Address 9078 License No. bandon () nitor () Test () able Too! (), Jet ()	SFWMD W 25 2065 1 2/8/9 1 6	ATER Prari Cit Grout Thick- hess & Depth NA 5"	USE y 14 Casing C Casing C Dian & D 30 H 24 H	PER	MIT S Dept From 5	NO. WPB State Tota n (tt) To 5 15	F 145 r 10 Pepth Examine or at for Give co type of Note ce product Lt Dk	Zip SRWRF We CUTTINGS LOOG e authings every 2 rmstion changes hor, grain size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size,	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH Owner Contractor's Sugnature Contractor's Sugnature TYPE OF WORK: Construct (x) Repair () Al WELL USE: Domestic Well () Public (x Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD (x (b or Air (), C) Casing Driven (), Other STATIC WATER LEVEL 9.0 Ft. below top	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Too! (), Jet () p of casing	SFWMD W <u>25 2065 1</u> <u>2/8/97</u> 6 Completion Date	ATER Prari Cit Grout Thick- ness & Oepin NA	USE y 14 Casing C Casing C Dian & D 30 H 24 H	PER 2d. 51 Depth ing & regin epth 60	MIT Dept From 0 15	NO. WPB State Tota h (n) To 5 15 98	F 145 r 10 CAILL Examine or at for give co type of Note ce product Lt Dk Bro	Zip SRWRF We CUTTINGS LOG e cuttings every 2 mation changes tor, grain size, an material villes, depth to ng zones. Brown S Brown S Brown S	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH Owner Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice () A WELL USE: Domestic Well () Public () Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD () Contractor (), Co Casing Driven (), Other STATIC WATER LEVEL 9. Q Ft. below top PUMPING WATER LEVEL 51. Ft. after _	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () of casing 8 Hrs. at 1000	SFWMD W <u>25 2065 1</u> <u>2/8/97</u> 6 Completion Date	ATER Prari Cit Grout Thick- hess & Depth NA 5"	USE y 14 Casing C Casing C Dian & D 30 H 24 H	PER	MIT Dept From 0 15	NO. WPB State Tota h (n) To 5 15 98	F 145 r 10 Pepth Examine or at for give co type of Note ce product Lt Dk Bro	Zip SRWRF We CUTTINGS LOOG e authings every 2 rmstion changes hor, grain size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size, an ington size,	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. MATH Owner Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Version () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All Contractor's Supervice Static Water Level () Public () All Contractor's Supervice Contractor's Supervice Network () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All Contractor's Supervice Static Water Level () Public () All Public () All Contractor's Supervice Contractor's Supervice () All WELL USE: Domestic Well () Public () All Contractor's Supervice () All WELL USE: Domestic Well () Public () All () All METHOD: Rotary with MUD () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All () All	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () o of casing 8 Hrs. at 1000 000 GPM	SFWMD W <u>25 2065 1</u> <u>2/8/9</u> 76 Completion Date	ATER Prari Cit Grout Thick- hess & Depth NA 5"	USE y 14 Casing C Casing C Dian & D 30 H 24 H	PER	MIT Dept From 0 15	NO. WPB State Tota h (n) To 5 15 98	F 145 r 10 Pepth Examine or at for give co type of Note ce product Lt Dk Bro	Zip SRWRF We CUTTINGS LOG e cuttings every 2 mation changes tor, grain size, an material villes, depth to ng zones. Brown S Brown S Brown S	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. MATH Owner Contractor's Sugardule TYPE OF WORK: Construct (x) Repair () Al WELL USE: Domestic Well () Public (X Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD (x) or Air (), C. Casing Driven (), Other STATIC WATER LEVEL _9. Q Ft. below top PUMPING WATER LEVEL _9. Q Ft. below top PUMPING WATER LEVEL _51 Ft. after PUMP SIZE _75H.P. CAPACITY_1 PUMP TYPE _S11DINTAKE DEPTH	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () o of casing 8 Hrs. at 1000 000 GPM	SFWMD W <u>25 2065 1</u> <u>2/8/9</u> 76 Completion Date	ATER Prari Cit Grout Thick- hess & Depth NA 5"	USE y 14 Casing C Casing C Dian & D 30 H 24 H	PER	MIT Dept From 0 15	NO. WPB State Tota h (n) To 5 15 98	F 145 r 10 Pepth Examine or at for give co type of Note ce product Lt Dk Bro	Zip SRWRF We CUTTINGS LOG e cuttings every 2 mation changes tor, grain size, an material villes, depth to ng zones. Brown S Brown S Brown S	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. MATH Owner Contractor's Sugnature Contractor's Sugnature Nethod: Rotary with MUD (Contractor) METHOD: Rotary with MUD (Contractor) METHOD: Rotary with MUD (Contractor) Casing Driven (), Other Casing Driven (), Other STATIC WATER LEVEL 9. Q Ft. below top PUMPING WATER LEVEL 51_ Ft. after _ PUMP SIZE 75_ H.P. CAPACITY 1 PUMP TYPE _S11D_ INTAKE DEPTH _ From	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () of casing 8 Hrs. at 1000 000 GPM 60 J	SFWMD W <u>25 2065 1</u> <u>2/8/9</u> 76 Completion Date	ATER Prari Cit Grout Thick- hess & Depth NA 5"	USE y 14 Casing C Casing C Dian & D 30 H 24 H	PER	MIT Dept From 0 15	NO. WPB State Tota h (n) To 5 15 98	F 145 r 10 Pepth Examine or at for give co type of Note ce product Lt Dk Bro	Zip SRWRF We CUTTINGS LOG e cuttings every 2 mation changes tor, grain size, an material villes, depth to ng zones. Brown S Brown S Brown S	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. MATE Output Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Version () All Repair () All WELL USE: Domestic Well () Public (X Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD K or Or (), C. Casing Driven (), Other STATIC WATER LEVEL OFt. below top PUMPING WATER LEVEL Ft. after PUMP SIZE H.P. CAPACITY PUMP TYPE INTAKE DEPTH LOCATION	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () of casing 8 Hrs. at 1000 000 GPM <u>601</u> m top of ground	SFWMD W <u>25 2065 1</u> <u>2/8/9</u> 76 Completion Date	ATER Prari Cit Grout Thick- hess & Depth NA 5"	USE y 14 Casing C Casing C Dian & D 30 H 24 H	PER	MIT Dept From 0 15	NO. WPB State Tota h (n) To 5 15 98	F 145 r 10 Pepth Examine or at for give co type of Note ce product Lt Dk Bro	Zip SRWRF We CUTTINGS LOG e cuttings every 2 mation changes tor, grain size, an material villes, depth to ng zones. Brown S Brown S Brown S	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATE Contractor's Supervise Contractor's Supervise Contractor's Supervise Contractor's Supervise Contractor's Supervise Contractor's Supervise Contractor's Supervise Contractor's Supervise VMPE OF WORK: Construct (x) Repair () All WELL USE: Domestic Well () Public (X Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD (x () or Air (), Co Casing Driven (), Other STATIC WATER LEVEL Of the below top PUMPING WATER LEVEL Of the below top PUMP SIZE H.P. CAPACITY PUMP TYPE INTAKE DEPTH Fro LOCATION Located Near of	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () of casing 8 Hrs. at 1000 000 GPM <u>601</u> m top of ground	SFWMD W <u>25 2065 1</u> <u>2/8/9</u> 76 Completion Date	ATER Prari Cit Grout Thick- hess & Depth NA 5"	USE y 14 Casing C Casing C Dian & D 30 H 24 H	PER	MIT Dept From 0 15	NO. WPB State Tota h (n) To 5 15 98	F 145 r 10 Pepth Examine or at for give co type of Note ce product Lt Dk Bro	Zip SRWRF We CUTTINGS LOG e cuttings every 2 mation changes tor, grain size, an material villes, depth to ng zones. Brown S Brown S Brown S	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. MATH Owner Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Vell () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All METHOD: Rotary with MUD () Public () All Casing Driven () Other Casing Driven (), Other STATIC WATER LEVEL 9. Q Ft. below top PUMPING WATER LEVEL 9. Q Ft. below top PUMPING WATER LEVEL 51_Ft. after PUMP TYPE H.P. CAPACITY _1 PUMP TYPE INTAKE DEPTH Fro LOCATION Located Near <u>SE_COINER</u> of	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () of casing 8 Hrs. at 1000 000 GPM <u>601</u> m top of ground	SFWMD W <u>25 2065 1</u> <u>2/8/9</u> 76 Completion Date	ATER Prari Cit Grout Thick- hess & Depth NA 5"	USE y 14 Casing C Casing C Dian & D 30 H 24 H	PER	MIT Dept From 0 15	NO. WPB State Tota h (n) To 5 15 98	F 145 r 10 Pepth Examine or at for give co type of Note ce product Lt Dk Bro	Zip SRWRF We CUTTINGS LOG e cuttings every 2 mation changes tor, grain size, an material villes, depth to ng zones. Brown S Brown S Brown S	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATE Contractor's Supervise Contractor's Supervise Contractor's Supervise Contractor's Supervise Contractor's Supervise Contractor's Supervise Contractor's Supervise Contractor's Supervise VMPE OF WORK: Construct (x) Repair () All WELL USE: Domestic Well () Public (X Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD (x () or Air (), Co Casing Driven (), Other STATIC WATER LEVEL Of the below top PUMPING WATER LEVEL Of the below top PUMP SIZE H.P. CAPACITY PUMP TYPE INTAKE DEPTH From LOCATION Located Near Of the below top	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () of casing 8 Hrs. at 1000 000 GPM <u>601</u> m top of ground	SFWMD W <u>25 2065 1</u> <u>2/8/9</u> 76 Completion Date	ATER Prari Cit Grout Thick- hess & Depth NA 5"	USE y 14 Casing C Casing C Dian & D 30 H 24 H	PER	MIT Dept From 0 15	NO. WPB State Tota h (n) To 5 15 98	F 145 r 10 Pepth Examine or at for give co type of Note ce product Lt Dk Bro	Zip SRWRF We CUTTINGS LOG e cuttings every 2 mation changes tor, grain size, an material villes, depth to ng zones. Brown S Brown S Brown S	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. MATH Owner Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Vell () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All WELL USE: Domestic Well () Public () All METHOD: Rotary with MUD () Public () All Casing Driven () Other Casing Driven (), Other STATIC WATER LEVEL 9. Q Ft. below top PUMPING WATER LEVEL 9. Q Ft. below top PUMPING WATER LEVEL 51_Ft. after PUMP TYPE H.P. CAPACITY _1 PUMP TYPE INTAKE DEPTH Fro LOCATION Located Near <u>SE_COINER</u> of	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () of casing 8 Hrs. at 1000 000 GPM <u>601</u> m top of ground	SFWMD W SS 2065 I 2/8/976 Completion Date	ATER Prari Cit Grout Thick- ness & Oepin NA 6 19 NA NA NA NA NA	USE y 14 Casing C Casing C Dian & D 30 " 24 " 16 " 16 "	PER	MIT Dept From 0 15	NO. WPB State Tota h (n) To 5 15 98	F 145 r 10 Pepth Examine or at for give co type of Note ce product Lt Dk Bro	Zip SRWRF We CUTTINGS LOG e cuttings every 2 mation changes tor, grain size, an material villes, depth to ng zones. Brown S Brown S Brown S	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH Owner Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice VMPE OF WORK: Construct (x) Repair () All WELL USE: Domestic Well () Public (X Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD (x) or Air (), Co Casing Driven (), Other Casing Driven (), Other STATIC WATER LEVEL 9. Q Ft. below top PUMPING WATER LEVEL 51. Ft. after PUMP SIZE 75. H.P. CAPACITY 1 PUMP TYPE SILD INTAKE DEPTH From LOCATION Located Near SE. COLDER OF SRWRF County Palm Bch Co.	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () of casing 8 Hrs. at 1000 000 GPM <u>601</u> m top of ground	SFWMD W SS 2065 I 2/8/976 Completion Date	ATER Prari Cit Grout Thick- ness & Depth NA 5 " NA NA NA	USE y 14 Casing C Casing C Dian & D 30 H 24 H	PER	MIT Dept From 0 15	NO. WPB State Tota h (n) To 5 15 98	F 145 r 10 Pepth Examine or at for give co type of Note ce product Lt Dk Bro	Zip SRWRF We CUTTINGS LOG e cuttings every 2 mation changes tor, grain size, an material villes, depth to ng zones. Brown S Brown S Brown S	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH Owner Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice VMPE OF WORK: Construct (x) Repair () A WELL USE: Domestic Well () Public (X Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD (x,) or Air (), Co Casing Driven (), Other Casing Driven (), Other STATIC WATER LEVEL 9.0 Ft. below top PUMPING WATER LEVEL 9.0 Ft. below top PUMPING WATER LEVEL 51 Ft. after PUMP SIZE 75	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () of casing 8 Hrs. at 1000 000 GPM <u>601</u> m top of ground	SFWMD W 2S 2065 I 2/8/976 Completion Date	ATER Prari Cit Grout Thick- ness A Depin NA 6" NA 6" NA 0 0 192	USE y 14 Casing C Cari Scr Dian & D 30 H 24 H 16 H 16 H CF	PER 2d. 5 1 Depth equb 60 100 145	MIT 5 From 98	NO. WPB State Tota 15 98 145 	F 145 r 1 Oepith Oralitic Examina or at for Give co product I.t. Dik Bro Gra	Zip SRWRF We CUTTINGSLOG e cuttings every 2 mation changes e cuttings every 2 mation changes in the depth to ng zones. Brown Sand yn Sand y Sands	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH Contractor's Superstruct Contractor's Superstruct Contractor's Superstruct Contractor's Superstruct Contractor's Superstruct Contractor's Superstruct Contractor's Superstruct Contractor's Superstruct WELL USE: Domestic Well () Public () Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD () Other METHOD: Rotary with MUD () Other Casing Driven () Other STATIC WATER LEVEL 9. Q Ft. below top PUMPING WATER LEVEL 9. Q Ft. below top PUMPING WATER LEVEL 9. Q Ft. below top PUMP SIZE 75 H.P. CAPACITY 1 PUMP TYPE Sub INTAKE DEPTH Fro LOCATION Located Near SE COLDER OF SRWRF County Palm Bch Co.	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () of casing 8 Hrs. at 1000 000 GPM <u>601</u> m top of ground	SFWMD W 2S 2065 I 2/8/976 Completion Date	ATER Prari Cit Grout Thick- ness A Depin NA 6" NA 6" NA 0 0 192	USE V 14 Casing C Casing C C C C C C C C C C C C C C	PER 20. 5 1 20pth 20pth 200 100 145 200 145	MIT 5 5 15 98	NO. WPB State Tota n (tt) To 98 145 98 145 98 145 98 145 98 145 98 145 98 145 98 145 98 145 98 145 98 145 98 145 15 98 145 15 15 15 15 15 15 15 15 15 1	F 1 45 r 1 0 epith O alitt d Examin or at for Give co aroduci Lt Dk Bro Gra	Zip SRWRF We CUTTINGSLOG e cuttings every 2 mation changes e cuttings every 2 mation changes e cuttings every 2 mation changes willes, depth to ng zones. Brown S Brown S Brown S Sands	# 15
FORM 0124 Rev. 11/90 PALM BEACH CO. WATH Owner Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice Contractor's Supervice VMPE OF WORK: Construct (x) Repair () A WELL USE: Domestic Well () Public (X Mo Irrigation () Fire Well () Other METHOD: Rotary with MUD (x,) or Air (), Co Casing Driven (), Other Casing Driven (), Other STATIC WATER LEVEL 9.0 Ft. below top PUMPING WATER LEVEL 9.0 Ft. below top PUMPING WATER LEVEL 51 Ft. after PUMP SIZE 75	ER UTILITIN Address 9078 License No. bandon () nitor () Test () able Tool (), Jet () of casing 8 Hrs. at 1000 000 GPM <u>601</u> m top of ground	SFWMD W 2S 2065 I 2/8/976 Completion Date	ATER Cit Grout Thick- ness & Oepin NA 6 " NA NA NA NA NA NA NA NA NA NA Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarris Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarrise Sarise Sarrise Sarris Sarrise Sarris Sarris Sarrise Sarris Sari	USE Le R y 14 Casing C Dian & D Dian & D Dian & D Dian & D Dian & D Dian & D Casing C Casing C Casing C Casing C Dian & D Casing C Casing C C C C C C C C C C C C C C	PER 20. 5 1 	MIT Dept From 0 5 15 98 (30 (NO. WPB State Tota 15 98 45 45 	F 1 45 r 1 0 epith OAILL C Examin or at for Give co product I.t Dk Bro Gra Cra Cra Cra Cra Cra Cra Cra C	Zip SRWRF We CUTTINGSLOG e cuttings every 2 mation changes e cuttings every 2 mation changes e cuttings every 2 mation changes willes, depth to ng zones. Brown S Brown S Brown S Sands	<pre># 15 # 15 # # Rom. d Sand Sand Sand Band Band Band Band Band Band Band B</pre>

Note: PWS Wells attach a site map If well location is different

Water: Clear XX) Colored () Sulphur () Salty () Iron ()

· - - _

WELL COMPLETION REPORT FORM 0124 Rev. 11/90	WELL PE SFWMD V	RMIT I VATER	NO USE	E PER	SER RMIT	SFC NO.	060796F
	2065 Pr			. ¥	₩₽В	FL	33416-6097
Address 9078 Contractors Grandlura License No. Co	2/8/96	C.	ty Casing I	<u>145</u> Depth			Zip 45* SRWRF # 18 tel Depth Wet! #
TYPE OF WORK: Construct (X) Repair () Abandon () WELL USE: Domestic Well () Public (X Monitor () Test () Irrigation () Fire Well () Other		Grout Thick- neza & Depth	Sc Doa & D	ring & reen meter Depth	Oap From	in (ft) To	DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes Give color, grain size, and type of material Note cavities, depth to producing zones.
METHOD: Rotary with MUD X) or Air (), Cable Tool (), Jet () Casing Driven (), Other		NA	<u>30'</u> 24"		0	5	Lt Brown Sand
STATIC WATER LEVEL 8.5 Ft. below top of casing PUMPING WATER LEVEL 50.2 Ft. after 8 Hrs. at 1500GF PUMP SIZE 75 H.P. CAPACITY 1500 GPM PUMP TYPE Sub INTAKE DEPTH 85' From top of ground	PM					45	Brown Sand Gray Sandstone
LOCATION Located Near <u>NE corner</u> of SRWRF County <u>Palm Beach</u>		Number					
4 46 42 % % Section Township Range		of bags	CF				
Cuttings sent to District? () Yes		Screen Screen	: Type ed froi	n	<u>s</u> 100	_ Sic (1	(葉) PVC (X) Fiberglass () of size <u>100</u> ft.) to <u>145</u> (ft.) s <u>4%</u>
Note: PWS Wells attach a site map if well location is diffe from site location on permit application.		Water: Condu	Clear ctivity	(^x) C	olore	d () Chi	Sulphur () Salty () Iron () lorides mg/l
Rev. 11/90	WELL PEA SFWMD W	MIT N ATER	O USE	PER	MIT	NO.	60796E
	065 Pra			WP	₽₿		33416-6097
Contractor s Srgt arter Uicense No. Con	8./96 notetion Date		1 <u>35</u> Casing De	epth	Şı	ate 1 Tota	21p 35 Sys 9/ Well # 1 Depth Well #
TYPE OF WORK: Construct (X) Repair () Abandon () WELL USE: Domestic Well () Public (X) Monitor () Test () Irrigation () Fire Well () Other		Grout Thick- ness & Depth	Casin Scre Diam & De	en eter	Depth From	(ft) Ta	DRILL CUTTINGS LOG Examine cuttings every 20 ft. or st formation changes Give color, grain size, and type of material Note cavities, depth to producing zones.
METHOD: Rotary with MUD (X) or Air (), Cable Tool (), Jet () Casing Driven (), Other			30"	60	<u> </u>		Sand
STATIC WATER LEVEL 19. 7Ft. below top of casing		6*	<u>24 "</u>	90	5	22	Limerock, shell Fragments w/sand
PUMPING WATER LEVEL 24. 3Ft. after 6 Hrs. at 700 GPM PUMP SIZE 30 H.P. CAPACITY 1000 GPM	đ	8"	<u>16"</u> 1	35			Gray Sand
PUMP TYPE Sub INTAKE DEPTH 60							Gray Lime with Sand Med Gray Rock w/
LOCATION Located Near <u>Midway E si</u> de bet. N & S corner/SRERF					151	35	Sand Med to soft Gray Limerock w/sand
County Palm Beach		Number of bags	CF.				
Latitude-Longitude	L	Lasino:	Black	Steel	 	lalv () PVC (X)Fiberglass ()
Cuttings sent to District? () Yes		Screen:	Type _	<u>S</u>	<u> </u>	_ Slot	size <u>100</u>
(X) NO LOCATE IN SECTION Note: PWS Wells attach a site map if well location is different	ן	ype of	grout	with %	6 addii	tives .) to <u>130</u> (ft.) <u>4%</u>

from site togetion on nor-it analisation

r: Clear (~) Colored () Sulphur () Saity () Iron ()

Palm Beach County Public Health Unit Releases

. .

•

Lawton Chiles

Governor



James T. Howell, M.D., M.P.H. Secretary

Р.З

June 10, 1997

Eugenia Carey, Manager, Regulatory Compliance Palm Beach County Water Utilities Department 2065 Prairie Road West Palm Beach, FL 33416

PROJECT: Palm Beach County Wellfield Expansion Project

WATER PERMIT NO: WC50-282172

Dear Ms. Carey:

The above referenced project is hereby released for service to the extent indicated below. This release is based on certification by the engineer-of-record that the water and/or sewage system has been constructed in substantial conformance with plans previously approved by this agency.

X The system is released to the full extent of the approved plans

____ The system is partially released and limited to

Sincerely,

For the Division Director Environmental Health & Engineering

James Holland Environmental Engineer Plan Review & Permits Section

FJG/JH/eb

c: Florida Department of Environmental Protection, Southeast District Engineer-of-Record: Mark R. Nelson, P. E.



Lawton Chiles Governor

July 2, 1997

Eugenia Carey, Manager, Regulatory Compliance

MONTGOMERY WATSON PALM BEACH COUNTY OFFICE Palm Beach County Water Utilities Dept.

PROJECT: Polo Trace Potable Water Wells - Raw Water Pipeline

WATER PERMIT NO.: WC50-168944

West Palm Beach, FL 33416-6097

Dear Ms. Carey:

P. O. Box 16097

The above referenced project is hereby released for service to the extent indicated below. This release is based on certification by the engineer-of-record that the water and/or sewage system has been constructed in substantial conformance with plans previously approved by this agency.

<u> X </u> The system is released to the full extent of the approved plans

The system is partially released and limited to

Sincerely,

For the Division Director Environmental Health & Engineering

James Holland Environmental Engineer Plan Review & Permits Section

FJG/JH/eb

c: Florida Department of Environmental Protection, Southeast District Engineer-of-Record: Mark Nelson, P. E.

Lawton Chiles Governor



July 11, 1997

C. Lawton McCall, Director of Engineering Palm Beach County Utilities 2065 Prairie Road West Palm Beach, FL 33416

PROJECT: Palm Beach County Water Utilities Dept. Water Treatment Plant #9 Well #1

WATER PERMIT NO .: WC50-228676

Dear Mr. McCall:

The above referenced project is hereby released for service to the extent indicated below. This release is based on certification by the engineer-of-record that the water and/or sewage system has been constructed in substantial conformance with plans previously approved by this agency.

_X The system is released to the full extent of the approved plans

. . .

The system is partially released and limited to

Sincerely,

For the Division Director Environmental Health & Engineering

James Holland Environmental Engineer Plan Review & Permits Section

MONTGOMERY WATSON PALM BEACH COUNTY OFFICE

FJG/JH/eb

c: Florida Department of Environmental Protection, Southeast District Engineer-of-Record: Mark Nelson, P.E. Lawton Chiles

Governor



P.Ż

June 10, 1997

Eugenia Carey, Manager, Regulatory Compliance Palm Beach County Water Utilities Department 2065 Prairie Road West Palm Beach, FL 33416

PROJECT: Wellfield Expansion Project/Wells 3W-15, 16, 17 & 18

WATER PERMIT NO: WC50-282171

Dear Ms. Carey:

The above referenced project is hereby released for service to the extent indicated below. This release is based on certification by the engineer-of-record that the water and/or sewage system has been constructed in substantial conformance with plans previously approved by this agency.

X The system is released to the full extent of the approved plans

The system is partially released and limited to

Sincerely,

For the Division Director

James Holland Environmental Engineer Plan Review & Permits Section

FJG/JH/eb

c: Florida Department of Environmental Protection, Southeast District Engineer-of-Record: Mark R. Nelson, P. E.



July 11, 1997

C. Lawton McCall, Director of Engineering Palm Beach County Utilities 2065 Prairie Road West Palm Beach, FL 33416

PROJECT: Palm Beach County Water Utilities Dept. Wellfield Expansion at systems 1, 2, 3, 8 & 9

WATER PERMIT NO .: WC50-282170

Dear Mr. McCall:

The above referenced project is hereby released for service to the extent indicated below. This release is based on certification by the engineer-of-record that the water and/or sewage system has been constructed in substantial conformance with plans previously approved by this agency.

X The system is released to the full extent of the approved plans

The system is partially released and limited to

Sincerely,

For the Division Director Environmental Health & Engineering

James Holland Environmental Engineer Plan Review & Permits Section



MONTGOMERY WATSON PALM BEACH COUNTY OFFICE

FJG/JH/eb

c: Florida Department of Environmental Protection, Southeast District Engineer-of-Record: Mark Nelson, P.E.

Appendix H



MONTGOMERY WATSON



PALM BEACH COUNTY WATER UTILITIES DEPARTMENT

WELLFIELD EXPANSION PROJECT AT SYSTEMS 1W, 2W, 3W, 8W AND 9W

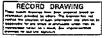
PBCWUD PROJECT NO. WUD 95-207 Montgomery Watson Project no. 1565.1820 Volume 2 - Drawings

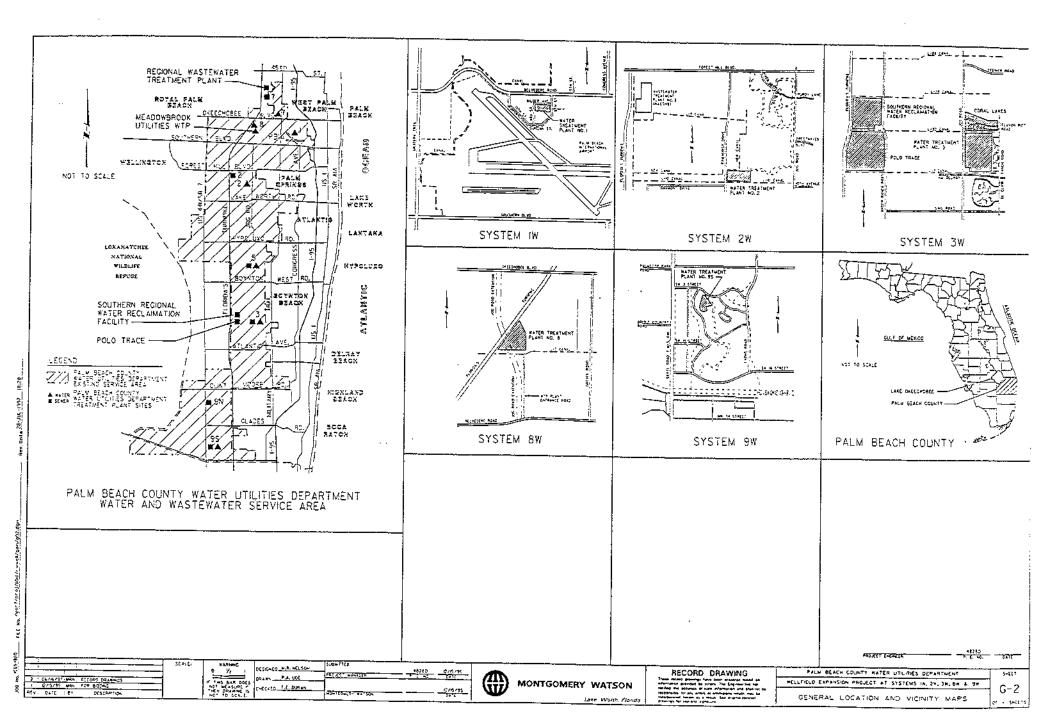
DECEMBER 1995



MONTGOMERY WATSON

Lake Worth, Florida



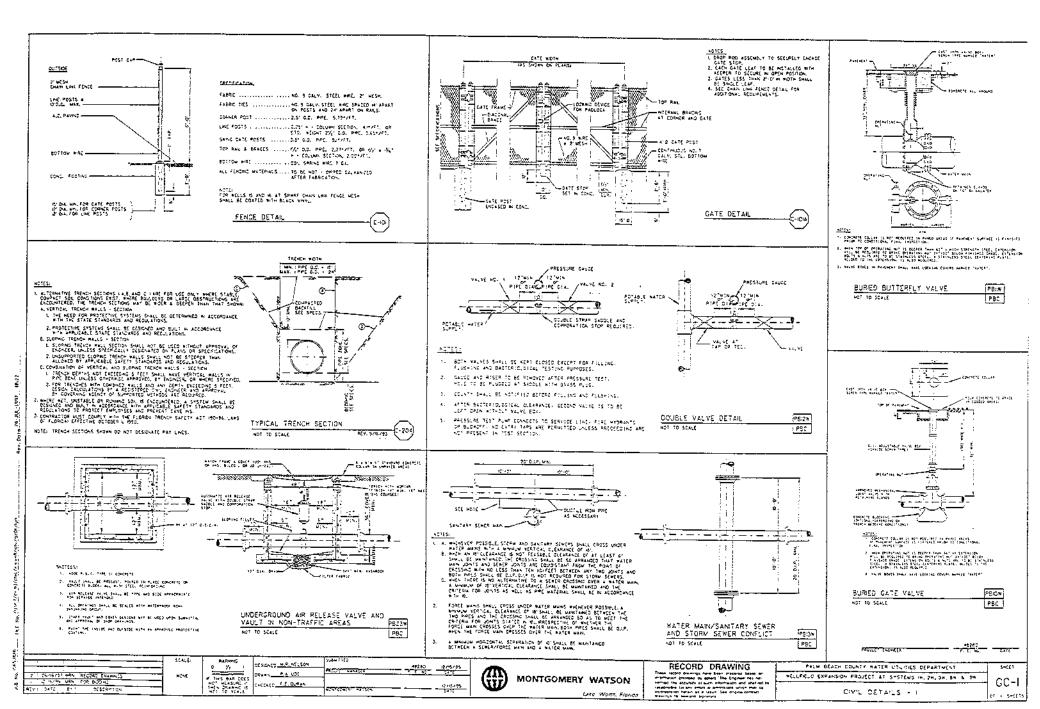


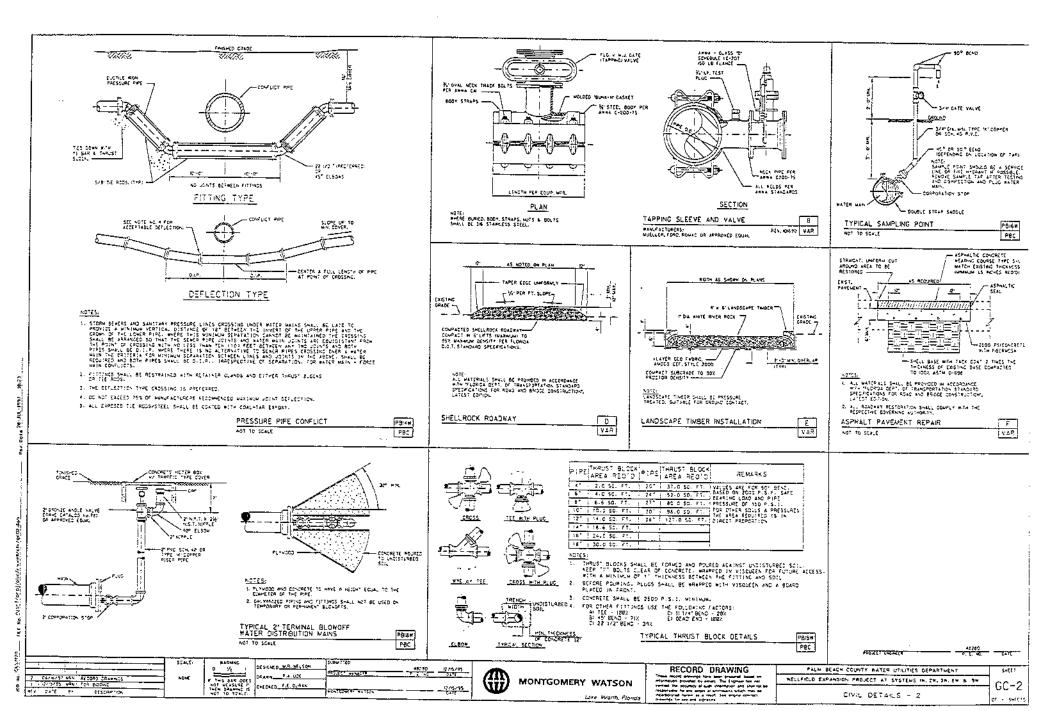
LIST OF DRAWINGS	GENERAL NOTES						
GENERAL G-1 COVER SHEET G-2 GENERAL LOCATION AND VICKITY MAPS G-3 LIST OF ORANKOS, GENERAL NOTES AND PIPE SCHEDULE G-4 ASBREWATIONS G-5 STUBOLS CIVIL CC-1 CVT OFTALS - 1 CC-2 CVT OFTALS - 1 CC-3 CVT DETALS - 3 CVTL CC-3 CVTL DETALS - 3 CVTL CC-3 CVTL DETALS - 3 CVTL CC-3 CVTL DETALS - 3 CVTL CC-3 CVTL DETALS - 3 CVTL CC-3 CVTL DETALS - 3 CVTL CC-3 CVTL CC-3 CVTL DETALS - 3 CVTL CC-3 CVTL CC-3 CVTL DETALS - 3 CVTL CC-3 CVTL CC-3 CV	 ALL EXISTING UTR.ITES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FRED VEREY ALL UTR.ITES AS TO SERVICE AND LOCATION PRIOR TO CONSTRUCTION, MIRRAPIANO FEXISTING UTITISS IS NOT ALLONED WINGCT NOTIFICATION OF ENDINEER AND OWNER A MIRMUM OF LOOKENATES SERVICE THE REMINION CONTRACTOR SHALL CONSTRUCTION AND FEDERATE REMINION CONTRACTOR SHALL CONSTRUCTION AND FEDERATE REMINION CONTRACTOR SHALL CONSTRUCTION AND FEDERATE DR NECLARE TO EQUAL OR SETTER CONTINUM, AS OFTANCTOR SHALL SAFEGUARD ALL FACILITIES IS NATE OF CONSTRUCTION AND FEDERATE DR NECLARE TO EQUAL OR SETTER CONTINUM, AS OFTANCTOR SHALL SAFEGUARD ALL FACILITIES DR CONTRACTOR CONSTRUCTION AND FEDERAL DR NECLARE TO ENDINE. ALL DEMOUSING THEMS ON ANY STRALS SETOND THE CONSTRUCTION ASTRUCTION AND SHALL BE LEALLY DISPOSED OF ORT-STE UNLISS SPECIFICALLY NOTE AS SAVIAGE THAS TO BE TURNED OWNER TO THE OWNES, CONTRACTOR SHALL STORY THAN TO BE LOCATED AS ALL DEMOUSING THE STRALS SETOND THE TORE TO STRALE AS ALL CANTS FOR D'SWITCH ON TISTING SHALL BE LOCATED AS ALL DETARD TO THE SET ALL STORY THE CANE. SAVIE FORTS FOR D'SWITCH ON TISTING SHALL BE LOCATED AS SPECIFIC APPLICATION TO STRAL STORY AND THE ALL SET DESIGNED BY THE CONSTRUCTION TO STRALE AS ALL DE USED AS SAMALE POINTS THERE AND ALL AND AND A SECTION DENSITY OF THE SET AND ALL STORY TO AND A SECTION DENSITY OF THE CONSTRUCTION TO THE SAVIE FORTS FOR D'SWITCH ON TISTING SHALL BELLE AS ALL DE LOCKONTY WITH THE CONSTRUCTION TO THE AT A SECTION DENSITY OF THE CONSTRUCTION TO THE AT A SECTION DENSITY OF THE CONSTRUCTION TO AND AND AND AND SECRE STRALE OF THE CONSTRUCTION TO AND AND AND AND AND AND AND AND AND AND AND AND AND AND	Function 6 Function 6 6 1145 L051 WCLUDES SOME LINE WOJ USED IN THIS PROJECT 0.1 Concerned cast of L0000 141 Concerned cast of L0000 141 Concerned cast of L0000 141 Concerned cast of L0000 142 Concerned cast of L0000 141 Concerned cast of L0000 142 Concerned cast of L0000 143 L0000 144 Concerned cast of L0000 145 L0000 145 L0000 146 L0000 147 L0000 148 L0000 149 L0000 <td>PAWG WATERALS LSEE SCHEDULE AT RA FURDSIS PARAC BARDON CONTRACT SESS PARAC BARDON CONTRACT JANAC PUTTR JANAC</td> <td>ISEE MOTE 2 AND NOTE 4: MONTUNE 1651 LEA 7M, TEST TEST ALL 7M, PRESSURE WEBDIN HETT</td> <td></td> <td>5</td>	PAWG WATERALS LSEE SCHEDULE AT RA FURDSIS PARAC BARDON CONTRACT SESS PARAC BARDON CONTRACT JANAC PUTTR JANAC	ISEE MOTE 2 AND NOTE 4: MONTUNE 1651 LEA 7M, TEST TEST ALL 7M, PRESSURE WEBDIN HETT		5	
62-1 SOUTHERN REGONAL WAR SITE PLAN 62-2 SOUTHERN REGONAL WAR VARD PRING PLAN 62-3 SOUTHERN REGONAL WAR VARD PRING PLAN 63-3 SOUTHERN REGONAL WAR VARD PRING PLAN 64-40 SOUTHERN REGONAL WAR VARD PRING PLAN 65-59 SOUTHERN REGONAL WAR VARD PRING PLAN 65-59 SOUTHERN REGONAL WAR VARD PRING PLAN 65-59 SOUTHERN REGONAL WAR VARD PRING PLAN 65-59 SOUTHERN REGONAL WAR VARD PRING PLAN 65-59 SOUTHERN REGONAL WAR VARD PRING PLAN 65-59 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PRING PLAN 65-7 SOUTHERN REGONAL WAR VARD PLAN 65-7 SOUTHERN REGONAL WAR VARD PLAN 65-7 SOUTHERN REGONAL WAR VARD PLAN 65-7 SOUTHERN PLAN 65-7 SOUTHERN REGONAL WAR VARD PLAN 65-7 SOUTHERN REGONAL WAR VARD PLAN 65-7 SOUTHERN PLAN 75-7 S	6. ALL BURIED PIPE SMALL OF RESTRAINED JOINT IN ACCORDANCE MUT THE SPECIFICATIONS. ALL ABOVE ORACE PRING SHALL EE FLANCED JOINT, UNLESS OTERMINES MOLATES, ALL BURIED PIPE SHALL BE PROVIDED WITH A MINIAM COVER OF 36 MACHES. T. CONTRACTOR IS CUITONED THAT YARD PIPHE AND INDERGROUND ELECTRICAL UNES EXIST BELOR GRADE IN AND ARDUND IREIS DF CONTRUCTION AND SHALL TAKE STEPS TO PREVENT STORAGE GF HAAVY EQUIPMENT AND MATERIALS DRECTLY OVER PIPES OR ELECTRICAL UNES.	με με τε τε 1 516(1, 43)	1. SEE HOJE 51 PARC MATERAL 52 7-07 NON AND EMALES UN LIDER BANDEDERACH, 50 PERIO STEL 455 MELAPER CAST WON AND 66. D UCCASCAL COUNT NON AND 66.	RON, ANSIBALL THREADLD. CTONIE. IB.6.5. BUITHREADED. 3 MOM G. DEC. CI S PSIELANCED DR DR STOL	56 MCHCS MAD SWILLERSEE MOIS - MOIE HAND MOI THEFTS: CAIL CHART NC 422 US DR SISCHAR B MART NC - MORE DR SISCHAR B-25, CARCE S STATUS BIN DR SISCHAR B-25, CARCE S STATUS BIN DR SISCHAR B-21, CARCE	HG. 37	
NECHANICAL GU-1 MECHANCAL AND STRUCTURAL DETALS M-1 PRODUCTION NELL - PLAN AND SECTIONS H-2 PRODUCTION NELL DETALS - SUBARERIEL PUND TYPE M-3 SYSTEM 3M MODIFICITIONS - WELLS NO. 8.9 AND 10 PLAN AND SECTIONS U-4 POLO TARCE MODIFICITIONS - WELLS NO. 13 AND 14 PLAN AND SECTIONS	8. PRIOR TO PERFONING ANY WORK ASSOCIATED WITH MUDIFICATIONS TO EXISTING PRIMIC SYSTEMS, THE CONTRACTOR SMALL PELD VERIFY IN THE AREA OF CURSTRUCTION THE CONSECTION SPEELOCATIONS, ELEVATIONS, SUESE, AND MATERIALS OF CONSTRUCTION, ALL DISCREPANCIES DEVICENTING TO ARANDIS AND ACTUAL FIELD CONDITIONS SHALL BE INMEDIATELY TOUTINE TO THE ENDINEER IN METRIC. CONTRACTOR SHALL PROVIDE REALED SEPARATION RETWEEN ALL STORM DRANG, SANTARY SEVERS, AND WATER MANS.	2 STEL, 154 HIPC, STHEOLE 40 - 64, VANED, 1000112 F.D. 145142-51 (2444-10) 565701 D. 415442-50 F. BEL 5070112 AND 425425 (2444-10) 5070112 D. 41516 (1451-10) 5070112 D. 41516 (1451-10)	2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002 2002	0 k xx02; 0 k xx02; MGM645662.1 1+87202; 27730; ACC_XACC_XACC_XCAC_MACC_XACC_XACC_XACC_X	SENSE WE OF REFERENCE GEL BALL, SELVICE MED, 40,001 SENT 10,30 AND SHALLER, SELVICE FLICE, ANN LATE IN DEGRES TO AND SHALLER, SELVICE, SAME AND LATE AND AND AND SHALLER, SELVICE, SELVICE, SAME AND LATE AND AND SHALLER, SELVICE, SAME AND LATE AND AND THE AND LATE AND LATER AND AND AND AND THE AND LATER AND LATER AND AND AND THE AND LATER AND AND AND AND AND THE AND AND AND AND AND AND AND AND THE AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND	4212. DA	
ELECTRICAL GF-4 ELETRICAL SYMBOLS GF-2 ELETRICAL XBBRCHATONS AND GENERAL NOTES GF-2 ELETRICAL XBBRCHATONS AND GENERAL NOTES GF-4 SINCLE LING DAGRAMS GF-4 SINCLE LING DAG	 DONTRACTOR SHALL PRESIDEN ALL CRASSID AREAS DAMAGED DURING CONSTRUCTION WITH SEED AND MULTON UNLESS OTHERMSE NOTED. SEED SHALL BE OF SAME TYPE AS ENISTING, CONTRACTOR SHALL EL RESPONSIBLE FOR MINITERNACE OF SEEDED AREAS UNTIL FINAL COMPLETION OF THE PROJECT. NHEAS CONNECTING TO ENISTING PIPHO SYSTEMS, CONTRACTOR SHALL ADEQUATELY ASSTRAN PRING UTLADIA A PIPE RESTRAINING SYSTEM ACCEPTALES TO THE ENGINEER. 	Cost Mote Ser, assured a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cost and a set of the cos	PO, VVNY, CH. DR.DL. SCHEDULE E. A SO, VENT MLLS JORKS, ASJU D2481.	254441 14742", 522451 FC, 1444 477 646 	ATTED ON DEARTHOS.		
16-3 SYSTEM JM NELPERD SYSTE PLAN 56-4 SYSTEM JM LECTRICA, SITE PLAN 66-1 Southern Regonal Wor Electroica, Site Plan 66-2 Southern Regonal Wor Electroica, Wellpield Plans - 1 66-3 Southern Regonal Wor Electroica, Wellfield Plans - 1 16-4 Pold Trace Well NO. 15 Electrical Plan		N216		A0165	NOTE IE V RAVES 2- 177 ACH AND SMALLER WAY MAYL SCREWED FLOS VRAVES 3 ACT AND LARCE STALL MAY FLANLE BADL MATES DEVERSES SAVE UN & FRICAS		
NSTRUMENTATION CH: NSTRUENTATION LECEND H-2 TELEVETNT E.CON DUSCRAM H-3 REPORTENENT DETAIL SMEET LANDSCAPING ISC HELMENT LANDSCAPE PLAN SST MELMENTS LANDSCAPE PLAN LSC WOM NO. 18 AMOSSEAPE PLAN ANI ELL NOT MERGETION FLAN		ACCOUNT OF NAMES AND BY A DUTIES OF THE SPECTRE PARADESE DAY, SUGSTITUTIES, SALE DE SILSJET TO PROVISION OF THE SPECTRE STATE ALLOWARCE IS AS FOLLOWS. THE PROVISION STATE SPECTRE BERTS SE DESCATED SALE SPON THE CLEAR THE PROVISION STATE SPECTRE CLEAR THE SPECTRE STATE SPACE CLEAR THE SPECTRE STATE SPACE SPECTRE STATE SPACE SPECTRE SPECTRE SPECTRE STATE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE br>SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE SPECTRE	WD APPAR(N) LEAKS UNDER PREAM DATE MD LEAKSLINGER MD LEAKSLINGE	NAMAL OPERATING CONDITIONS. MODE VCM ALL BE IN ACCORDANCE WITH PROTECTION ACCORDANCE WITH PROTECTION ACCORDANCE WITH PROTECTION ACCORDING PROTECTION	<u>17</u> Prime which is normally under pressure spall ESTED save as produces pring convected to very Went.	110	
19-2 WELL AD, IS IRRIGATION PLAN 19-3 WELL AD, IS IRRIGATION PLAN 19-4 WELL AD, IS IRRIGATION PLAN 19-5 ARISATION OFTALS		TOTAL A TEL TEL TOTAL TALL AND ADDITIO SECUREMENTS, SEE POPUS SECTION OF SPT SECUREMENTS, SEE POPUS SECTION OF SPT VIII - INCLUSE VIEWS AND AN ADDITION SECUREMENTS OF ONE THE DRAWNESS. SECTION OF SPECIFICATIONS OF ANTION SECTION OF SPECIFICATIONS OF ANTION SECTION OF SPECIFICATIONS OF SECTION SECTION OF SPECIFICATIONS OF SECTION OF SPECIFICATIONS OF SPECIFICATIONS SECTION OF SPECIFICATIONS OF SPECIFICATIONS SECTION OF SPECIFICATIONS OF SPECIFICATIONS SECTION OF SPECIFICATIONS OF SPECIFICATIONS SECTION OF SPECIFICATIONS SECTION OF SPECIFICATIONS OF SPECIFICATIONS SECTION OF SPECIFICATIONS SECTION OF SPECIFICATIONS SECTION OF SPECIFICATIONS SECTION OF SPECIFICATIONS SECTION OF SPECIFICATIONS SECTION OF SPECIFICATIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS SECTIONS	5 09 FRLD N THE FOR POLINIK AND CONTROL 24POLE OF POLINIK AND CONTROL 24POLE OF POLINIK AND CONTROL 8E MSULATED, SPECE ON PORTS SHELL BE M MSULATED, SPECE ON CONTROL MSULATED, SPECE ON CONTROL MULTING INTERN. SHELL BL	E. SEL SPECERCA VONS. MATTO NA ACCORDANCE BITH MATTO NA ACCORDANCE BATH SILLICIC BATHANA NA ANALYSI (1436) MATTON EQUIPASS WIN	45775		
3 CONGRESSIONE DEARASS DEARASS DEARASS	U.S. V.S. 554 UNMATTICE U2755 U275755 A. UDI CERTIFICATION TO TO TO TO TO TO TO TO TO TO TO TO TO T	NTGOMERY WATSON	RECORD DRAWING These hand directly the source between based or restricted particles for the source based or restricted particles for the source at the cit methods for the source at the source restricted for the source based or source the restricted for the source based of the source the restricted for the source based of the source the restricted for the source based of the source the source the restricted for the source based of the source the source the restricted for the source the source the source the source the restricted for the source the source the source the source the source the restricted for the source the source the source the source the source the restricted for the source the source the source the source the source the restricted for the source the source the source the source the source the source the restricted for the source the source the source the source the source the source the restricted for the source the source the source the source the source the restricted for the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source the source th	PALM BEACH COUNTY W RELIFICED EXPANSION PROJECT	ATTER UTLITIES DEPARTMENT S T AT SYSTEMS IN. 24. 34. 44 34 CS. GENERAL NOTES	G-3	

Rev. 0ate.12:51 P.(112. Bri24

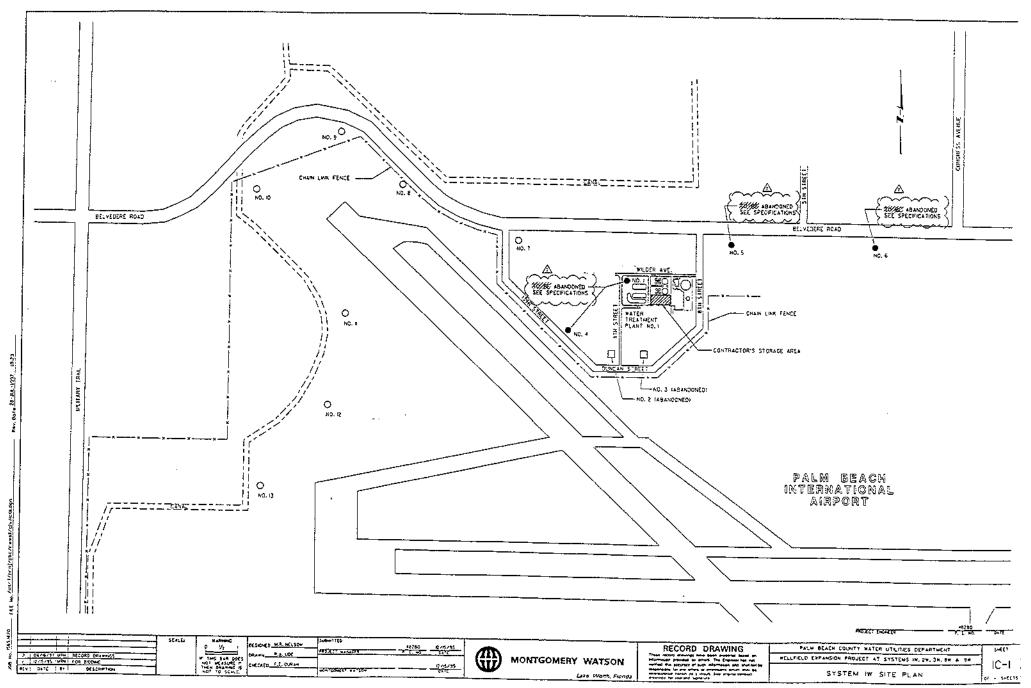
	A THE ALTERNAL RELT AST ANTHOR RELT AST ANTHOR RELTANC AST ANTHOR RELTANC AST ANTHON PRACTANC AST ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON AST ANTHON ANTHON ANTHON ANTHON ANTHON AST ANTHON AST ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON ANTHON	C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST C LAST	0 #642 DrawETCA # ASSE FACE % TO PACE % TO PACE % TO PACE % TO PACE % TO PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT PACE # NOT	<pre>Pris Pois and facture Pris Pois and facture Pris Pois and facture Pris Pois Pris Pris Pris Pris Pris Pris Pris Pr</pre>	T Inclussing, TREAD DE STAR, TANGENT OR T T & E Instant Soft and T & E Instant Soft and T & E Instant Soft and Teu E Instant Soft and Teu E Instant Soft and Teu E Instant Soft and Teu E Instant Soft and Teu E Instant Soft and Teu E Instant Soft and Teu E Instant Soft and Te Instant Soft and Te Instant Soft and Te Instant Soft and Te Instant Soft and Te Instant Soft and Te Instant Te Instant Soft And Soft Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant Soft And Te Instant Te Instant So
A Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second	δμά του διλού δμά του διλού δεί διλού δμά του διλού δεί διλού δμά του διλού δεί διλού δμά του διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού δεί διλού	F ST FARENASTI DO FARSA FAST FARENASTI DO FARGAT DO FARGALLO TATI FASTA TO VIAL FO FASTA VIAL FC FASTA FASTA FC FASTA FASTA FC FASTA FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA FC FASTA	LAN LONGAL LON DON LAN LONGAL LAN LANGE DON LAN LANGE DON LAN LANGE LONGAL LC LANGE LC LANGE	ALLE SALVE ALLE SALVE ALLE SALVES ALLE SALVES	
Charles and and a property of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	C CENTRADE CB LEGAT CB LEGAT CC CONTRACTOR CALK EDARD CC CONTRACTOR CC CONTR	1600 FLACE OF LOCANC 1600 FLACE OF LOCANC 1600 FLACE AND AND AND AND AND AND AND AND AND AND		PILST, TEARDORT ON ALLO VALUE REDD A FOUNDS STELL FED A FOUNDS STELL FES RESERV FILS RESERV RESERVES REDGE REFUND REDGE REFUND RESERVES FOR ANYTE OR RENEARED PLASTIC WOPFAR RESERVES STELL	<pre>*** #110 EDUARD ON #AFTER CLOSET ************************************</pre>
	City is there is an order of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the	CTP CTPSUU	N ADOTH AGS NATURAL BUILTAN OF STANDERDS NG NATURAL DUITTEL FOR THE NET NATURAL DISTINCT FOR NET NATURAL DISTINCT ASSOCIATION NET NATURAL DER RESTORMASSOCIATION NG NATURAL DER STORMASSOCIATION NG NATURAL DER STORMASSOCIATION NG NATURAL DER STORMASSOCIATION		N01031
	G FORT DI BORGE DI BORGE DI BORGE DI CONTRACTOUR AND ON DOUCLAS FOR DI CONTRACTOUR AND ON DOUCLAS FOR DI CONTRACTOR DI ALLEIRA DI	PCA NITAGOVI NC WIRCON NC	CC UMP-DESSAND OF ON CLUTCA CC UNISCE DANCES CO. OFFICIAL DANKS.CH DISSESSIONE OF DUSISCE FILL	Tota Tota Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sit Sector Sit	LIETAREAL ARBREVITONS SHOWN ON ELECTRICAL SHEETS, GL-2 ADDITENAL ARBREVITONS CONTORN TO ANSISTANDARD ARBREVITORS 237, 2,3

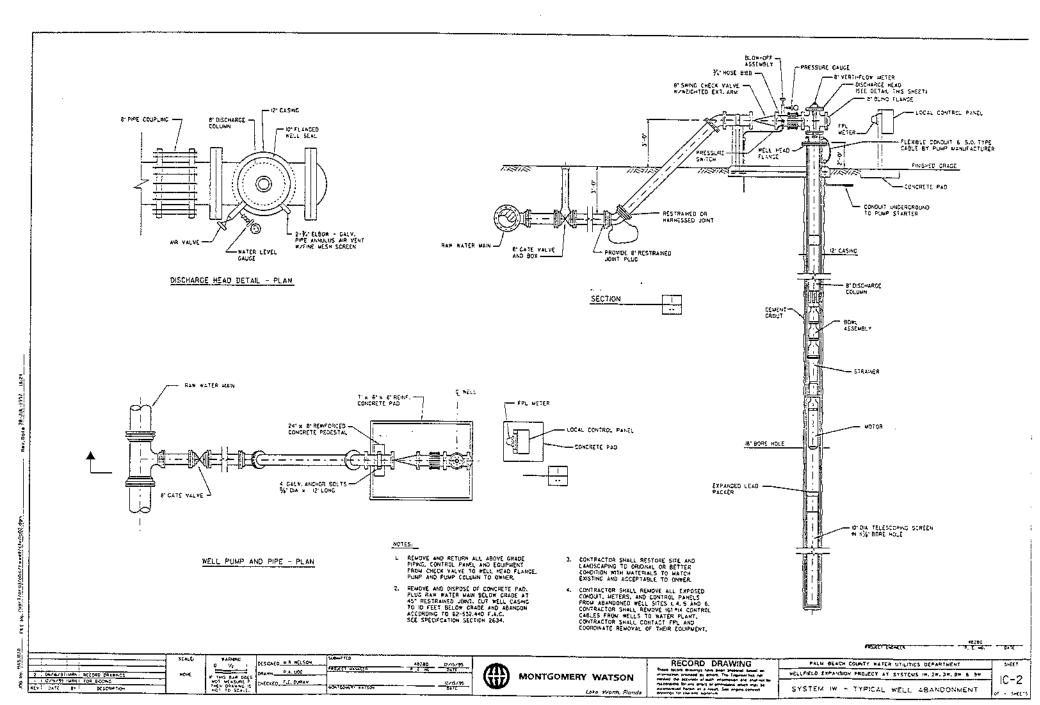
	EONTOLA LAS FINSHED LANDE			
222222 wasswer de [[][[[]]]		CATE VALVE, BURNED WITH VALVE BOX	C ROOM THERMOSTAT	SECTION AND DETAIL IDENTIFICATION
277777722 CAST MCH	123,70 Fuesded The Life the state	BUTTERGY VALVE, BURIED INTH	D PRESSURE CAUCE	
STEEL STEEL	123.30 CKIST ALEVA 100		BE PRESSURE GAUGE MITH DUPMARCH SEAL	SECTION IDENTIFICATION
	TOP CUT ON FEL SCOPE TO BE CONSTRUCTED		ن ا م ا PRESSURE SMITCH	IN SECTION OUT ON DRAWING GATE
Proventing State tow	The AC. PANES	LUGRICATCO PLUG VALVELBURICO NITH	R PRESSURE SWITCH WITH DUPPRISU SEAL	SECTION NUMBER
642VEL	CHISTING ALL PAVING	CATE VALVE	+	
CC#29E1E			FLANDED FUTTING	
[a9]).	RAN, DAC	COCENTRIC PLLX VALVE	WELDER HITTIG	
	FHZ HTDRAYT	LUGRICE TEC PLUG VAL VE	4	121 ON DRAWING CH2 THIS SECTION IS IDENTIFIED 45:
		CLOSE VALVE		SECTION NUMBER
ALLANNA OF WETAL DEGREG	PIDITS COMMENT PRESSURE SUEAMOUT TO CREADE	BALL VALVE	SCREWED, SDERET-WILD. BELL AND SPICOT DE HUBLESS FITTING	SECTION 2
CHECKERED P. ATE		EXPARTO VALVE	BELL AND SPICET DE HUBLESS FITTING	
Soan Ceasing			FLANCED ADADTER COUPLING	DRAWING FROM WHICH SECTION WAS TAKEN.
TTTTTT PLASTIC RUBBER OR NO DERENI				DETAIL IDENTIFICATION
SS SSS HOAD If wish		PRESSURE REQUESTING VALVE	EKPANSION JONT	
DEPRICESON IN SLAB OR PALL	0	BACK-PRESSURE VALVE		40 DETAIL CALL-DUT ON DRAWING C-2 AS:
SLODO DALENSION DUCT STOF SHOWN,	31.0+ OFF ASSEMB_T	UD O UDION COERATOR FOR VALVES	FLEXIBLE COUPLING	DETAIL LETTER
SUPPLY DE CUTSIDE AN DUCT			ибиц	G-1
245 2 EZHALIST OR ACTION LA DUCT	C HA DALM		12 DUCK DISCONNECT COUNCER [DRAWING ON WHICH
$-\sum_{i=1}^{n} \frac{5126}{C^2} \qquad for all the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second$	FL004 244m	50. ENDO VALVE		DETAIL IS SHOWN . (2) ON DRAWING CHITH'S DETAIL ICENTIFIED AS:
	FLOOR SHE		It BLING FLANCE	DETAIL LETTER
STE RECEIVER ACTUAN DA EXALUST AN CALLE DA CONTRECENTER ASILE NO POMES, ACTINE MARGAT }	Dian Trav	MALTPORT VALVE - 4 PAT	Gebucen ar workner	
U STA ISZE EXHAUST OR ACTURA AR CRUE OR RECISTER	S 504, 808145			
CI STE SUPERT GRUE OF REDSTER	EINCH MARK		SIEANER	DRAWNO ON WHOM DETAIL IS CALLED OUTW
	CONTROL AND VERTICAL CONTROL FORT	ASSOLE VALVE		STANDARD DETAIL IDENTIFICATION
AR TURANC VALLS IN BUCT	WALR T OR JUNCTION STALLETURE		File Tues	
ST DOFFER	CHANCE IN PROST WATERIAL	ANDLE VALVE		IN DETAIL CALL-OUT ON PLAN OR SECTION:
E THE HOSE CARMET			DENSITY VEICE	
FRE EXTINCTIONER			PROPELLES WETER	M-:01 0-4
	7*****	BUSALEA LEVEL CONTROL		
	L evale	CINIRAUGAL DA FURBAE POUR DA FAN		DET ALL IS SHOWN = 127 ON DRAMING D-4 THIS DET ALL (DENTIFIED AS)
	-	Liteging Pump		
S NO STRUCTURE OR FACUATY	241 RW-RCP PPE SUE FLDD ABBREWATION AND T-PE OF PPE		CONDENSATE TRAP	
ENGINE STRUCTURE OF FACCUTY	2" UN 121 PAE CALLOUT (SEE PAPAG SCHEDULE)	POSTIVE DISPLACEMENT PUWP	PPE SUPPORT IN PLAN (VLV)	
A FUTURE STRUCTURE DR FARDUTY	(B. DIER OF COMPRESSOR		STANDARD DETAIL
€				 NOTE: IF PLAN AND SECTION IOR DETAIL CALL-OUT AND DETAILLARE SNOWN ON SANE DRAWNS, DRAWING AURISER IS REPLACED BY A LINE.
2 (Istas Fente				DRAWING NUMBER IS REPLACED BY A LINE.
2: HE + PRE: NE (CIV), SHETSI 	#104100 *#1v[h][#		EXPANSION CHANGER	<u>NOTES:</u>
2 NEA PUELAS (CON SALTS) 3 12" DAL 10 3" DIA		AR VACUUM AND MR RELEASE ASSEMBLY		III ELECTRICAL SYMBOLS SHOWN ON ELECTRICAL SHEET CE-1. 127 INSTRUMENTATION SYMBOLS SHOWN ON SHEET 1-2.
21	[П. 	G .	13) FOR MELDING SYMEOLS USE AMERICAN WELDING SDEETY STANDARD SYMEOLS. SEE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANJAL.
Exs:no Pelune	د رژی ۶.υς: ۱۹۱۶		FLOR SCH! CLASS	
<u>ما الـــــــــــــــــــــــــــــــــــ</u>	<u></u>		_	REV. 09.567 RED. C. N.C
	ARIMIG DESIGNED N.P. NELSON SHOW THE		PECODO DOMINIO	
2 36/4/11 WAN RECORD 25-11-125 NOVE TTOS	7) 1 DESCRICE U.P. MLLSON 44 062001 004000 001 001000 000000 0000000 00000000	MONTGOMERY WATE	RECORD DRAWING	PALM GEACH COUNTY WATER UTILITIES DEPARTMENT SHELT HELLFIELD EXMANSION PROJECT AT SYSTEMS IN, 2N. 3N. 8M. AND SH
R - 12/52/00 444 505 62010 R - 12/52/00 444 505 62010 R(M - 04/6 - 04 1 - 22504/6104	DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM PAULO DRAMM		Weind the subvision of Last, Microsov and shall for the	5742015
		Lake Won	FIGURES Summings for same and a grantery	01 MB015

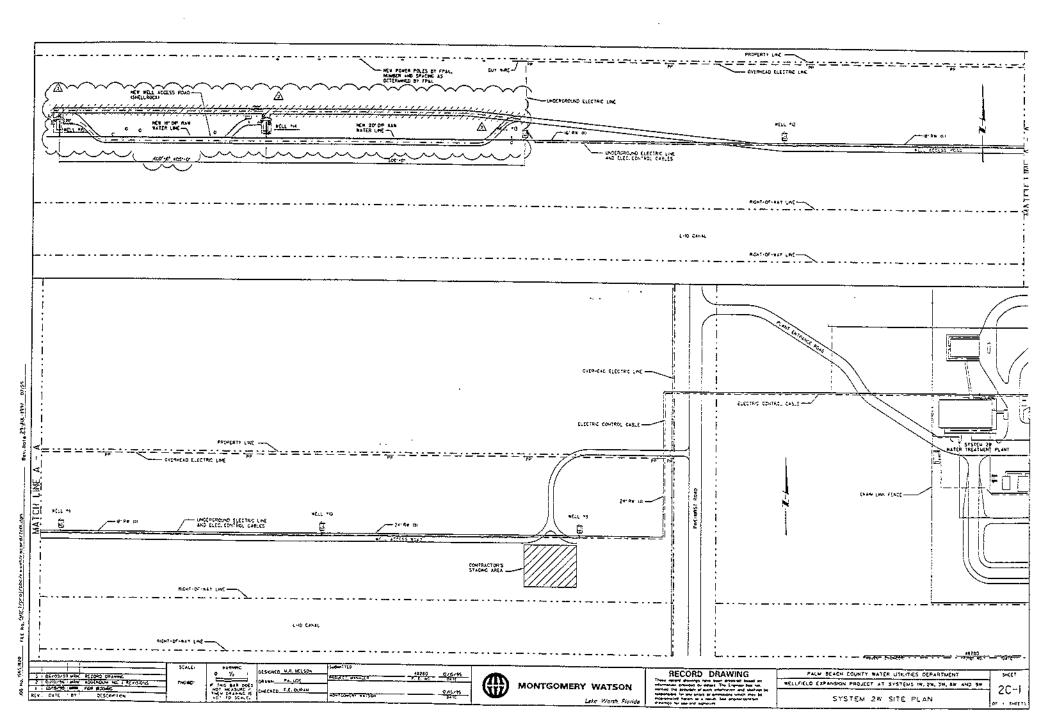


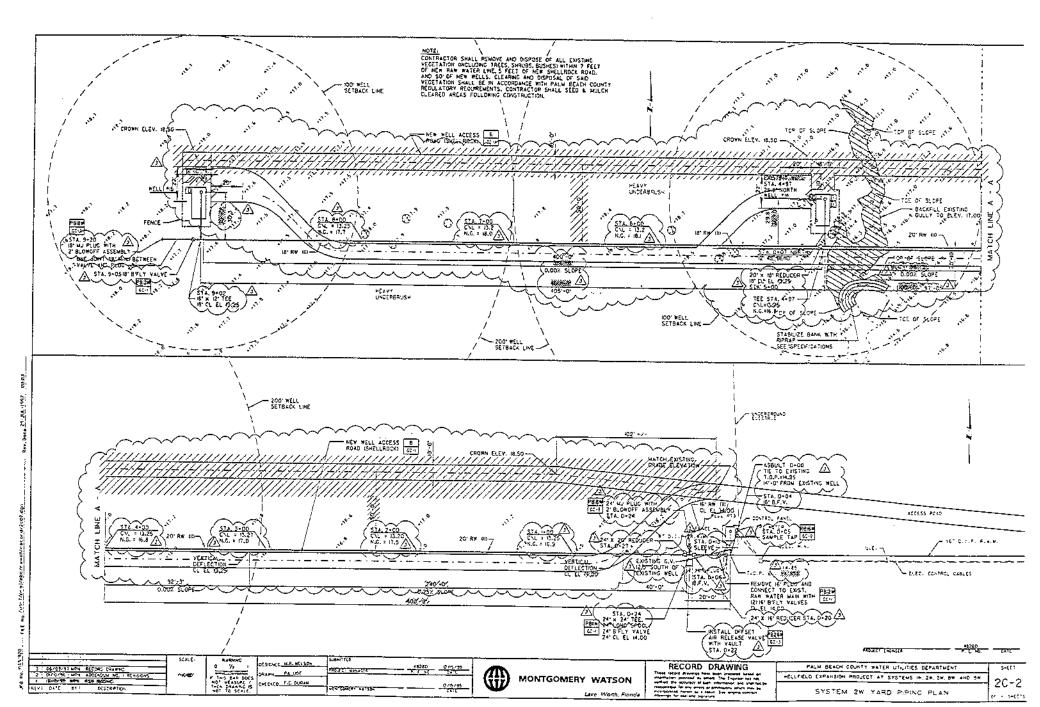


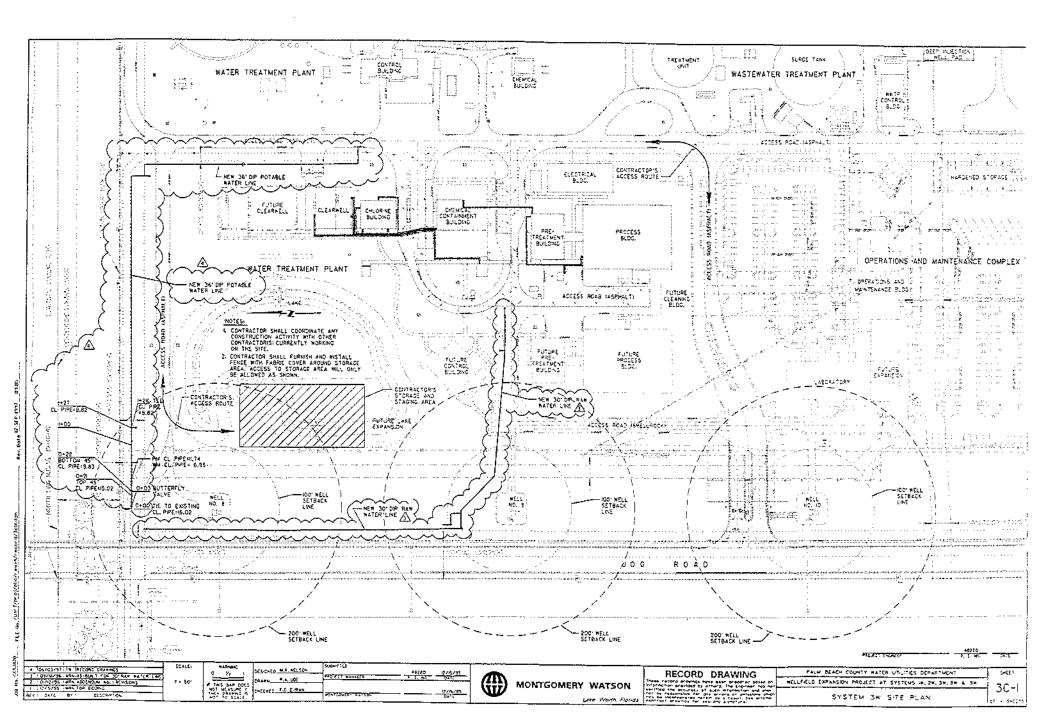
	MATMIN CUNNITY OF MATER ICALIONS PER MOURT THAT WAT OF SAFENCE TO MANTAIN PRESSURE WITHIN 5 P.S.L OF THE SPECIFIC TEST PRESSURE MARCHINGLI GR PUSHICH JOHN PER HI & FT. NOMMAL LENCIPS. MARCHINGLI GR PUSHICH JOHN PER HI & FT. NOMMAL LENCIPS. MARCHINGLI GR PUSHICH JOHN PER HI & FT. NOMMAL LENCIPS. MARCHINGLI GR PUSHICH JOHN PER HI & FT. NOMMAL LENCIPS. MARCHINGLI GR PUSHICH JOHN PER HI & TT. NOMMAL LENCIPS. MARCHINGLI GR PUSHICH JOHN PER HIGH ST. MARCHINGLI GLASS D. 24 0.23 LOG LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR LISE LAR L		Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Mar and Ma And Mar and		64.	NULLU 1. SERVING DI SU'A.C.A. PRELL 11 RECEIVANT. 1. SERVING MALL 11 RECEIVANT. 1. AL OPENNEL MALL 11 SELECTION DIA DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT DI CONTANT. 1. AL OPENNEL MALL 11 RECEIVANT. 1. AL OPENNEL MALL 11 REC	ه الله: بالله: 10 هار الله: الله: 10 مار الله: 0 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار الم: 10 مار		~
<u> </u>	$ \frac{1}{10000000000000000000000000000000000$			• • • •					
111								48780 PREAST CODE (************************************	5.11
ا ز	3 1054/051 UNIT: 051000 PREAMOD 0110 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120 0120	0/5/95 010 010 010 010 010		MONTGOMERY WATSON	N Ionda	RECORD DRAWING Truthe metric detiving term berg property belief an information protection to information that topower working the lactivity of unce information units paid with be information to may arrow a disconsessim under the metric metric state and a manual for empiric camper property to the state of the state of the state of the metric state of the state of the state of the property of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t		SEACH COUNTY NATER UTILITIES DEPARTMENT PANSION PROJECT AT SYSTEMS IN, 20, 30, 80 4 90 CIVIL DETAILS - 3	

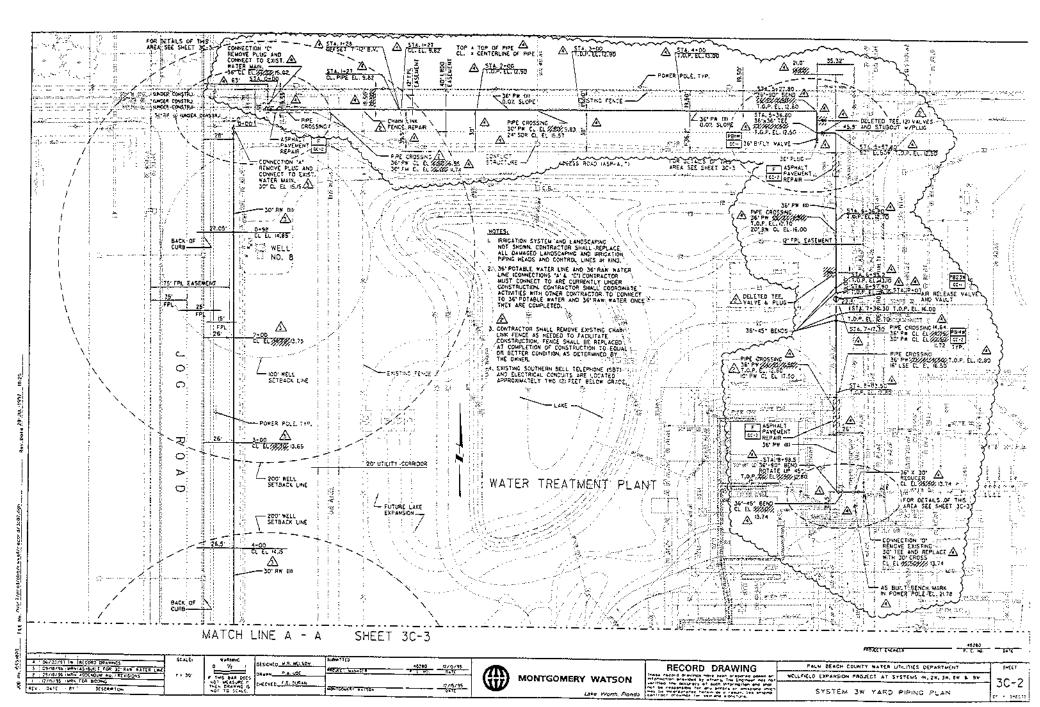


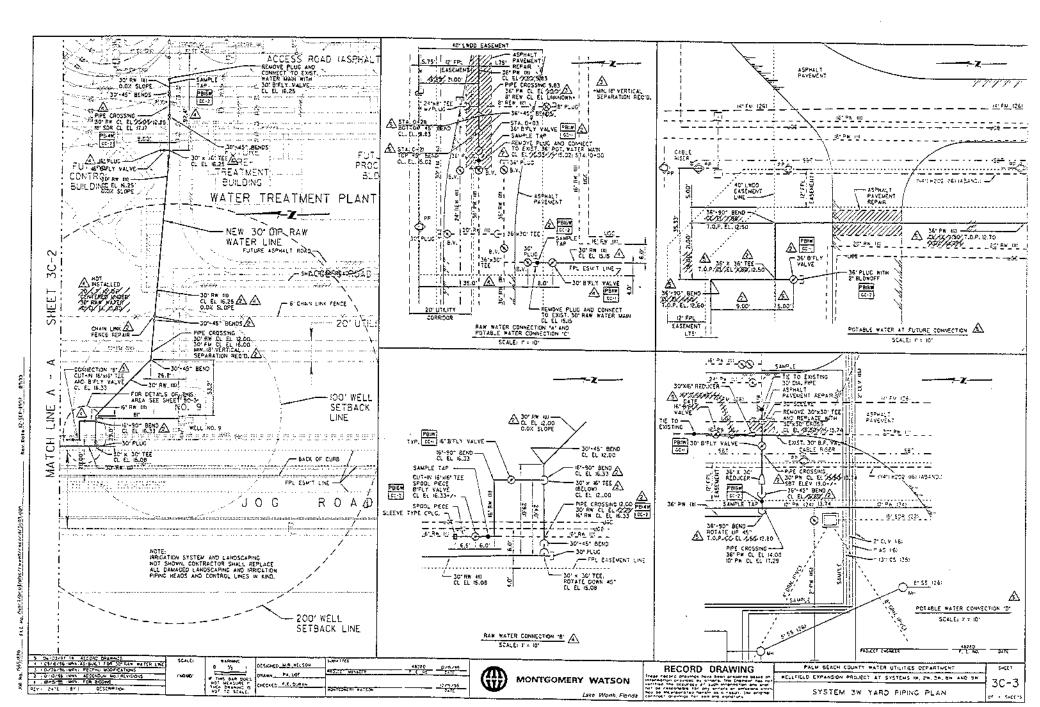


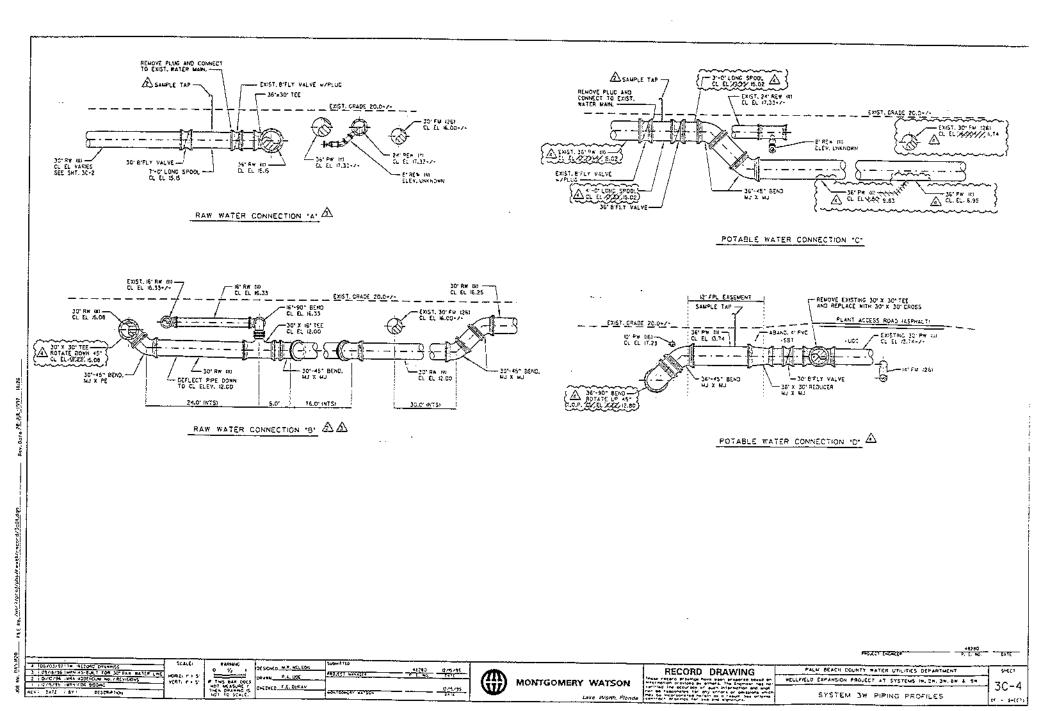


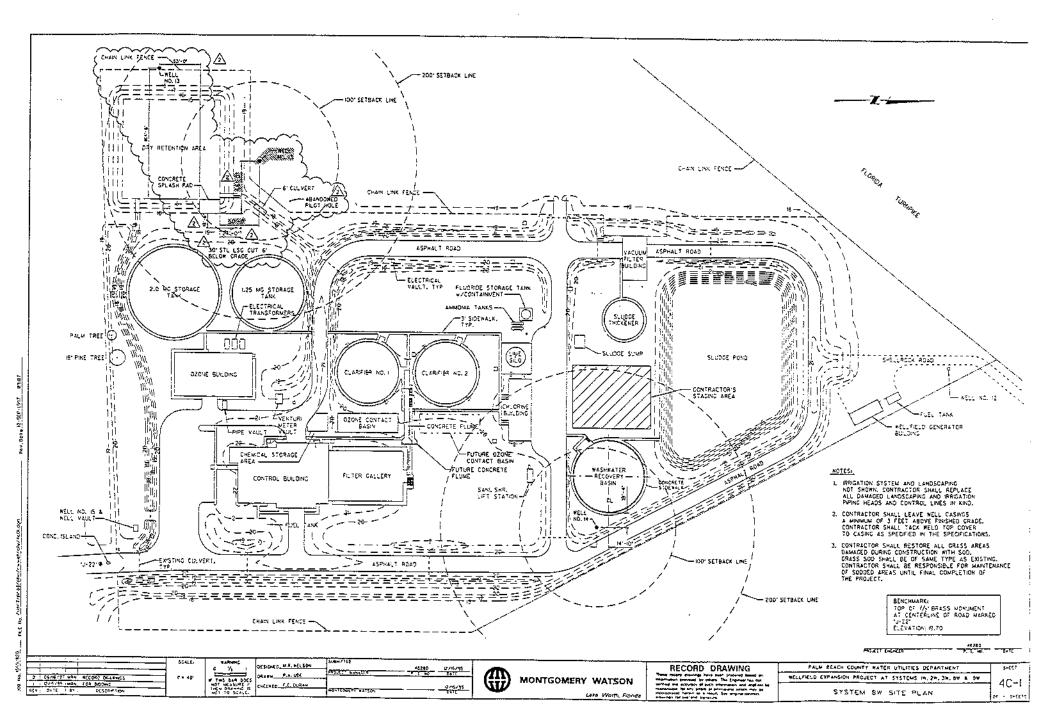


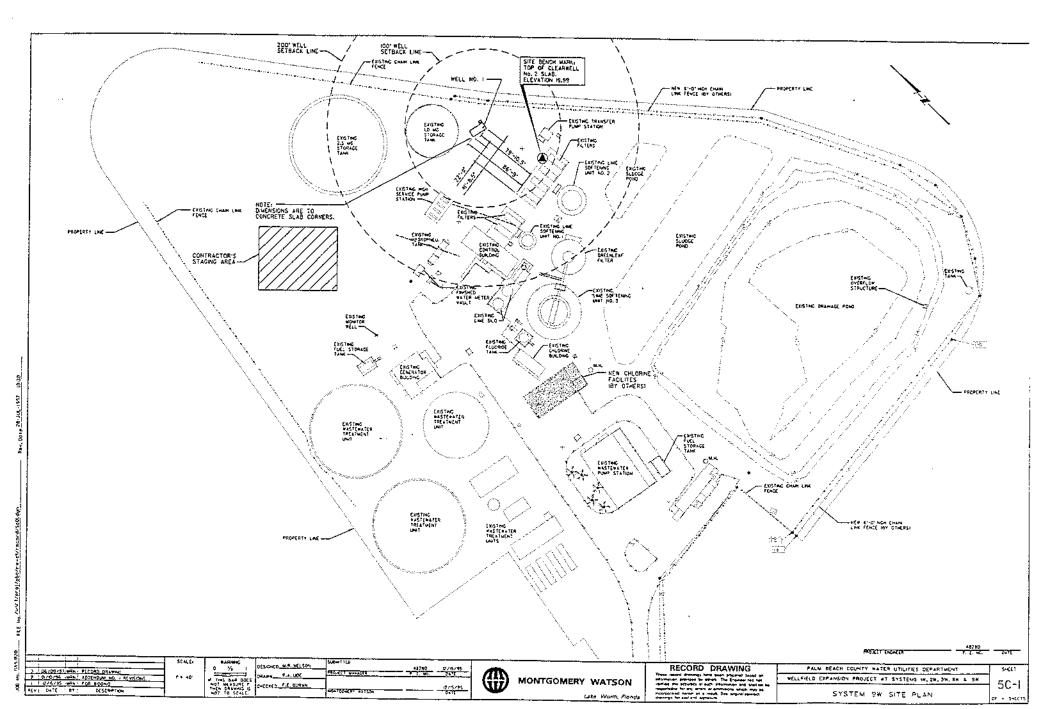


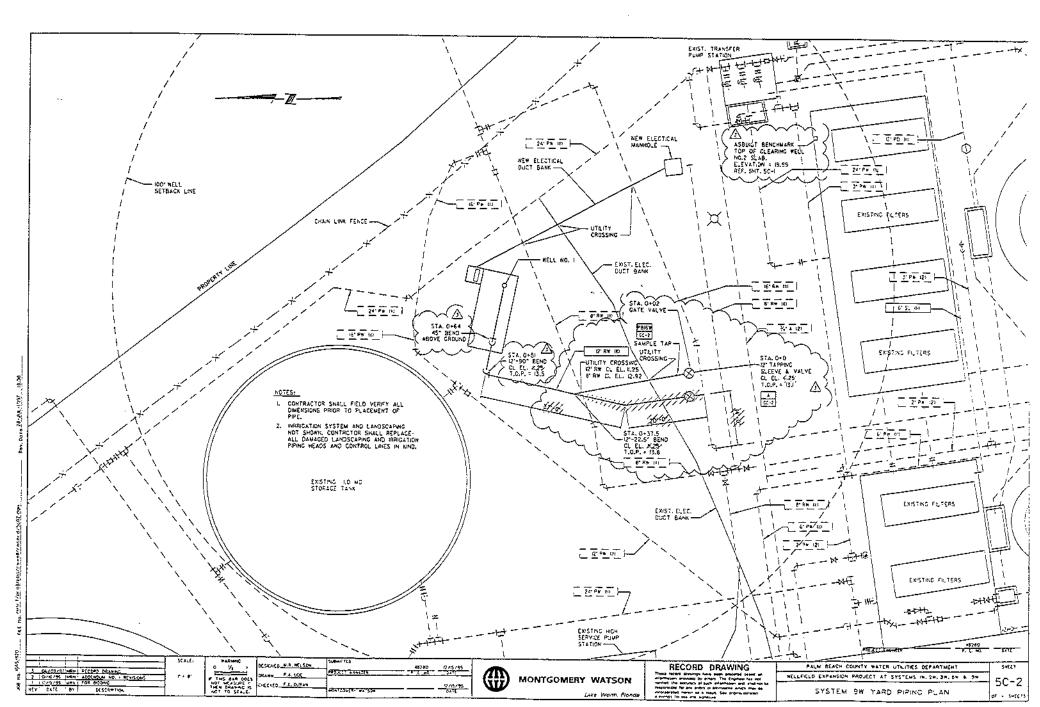


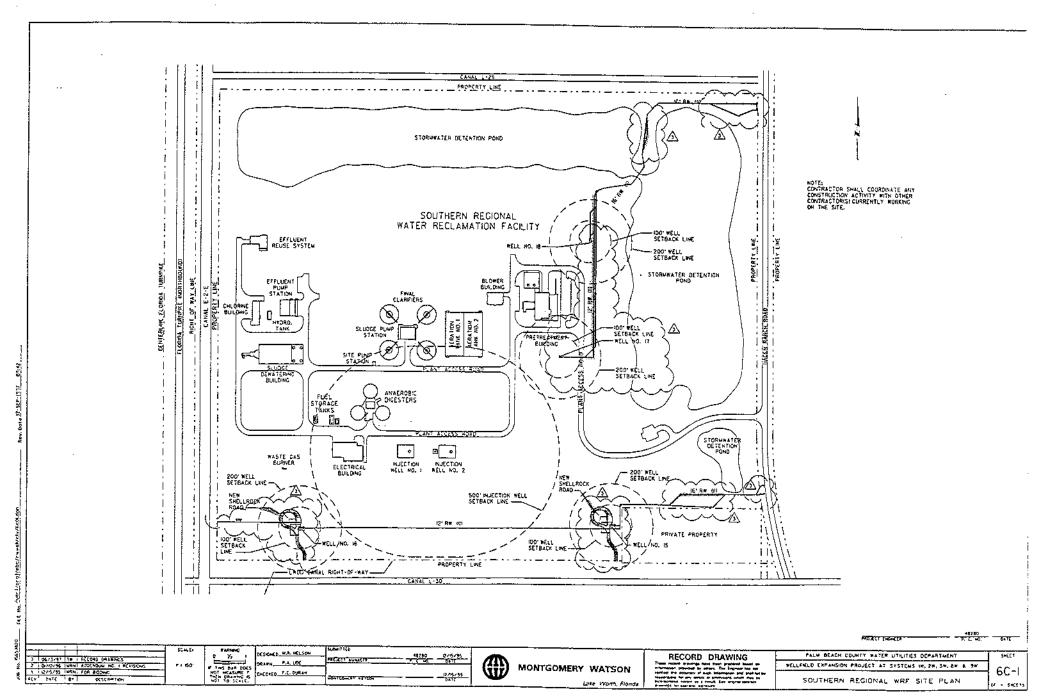


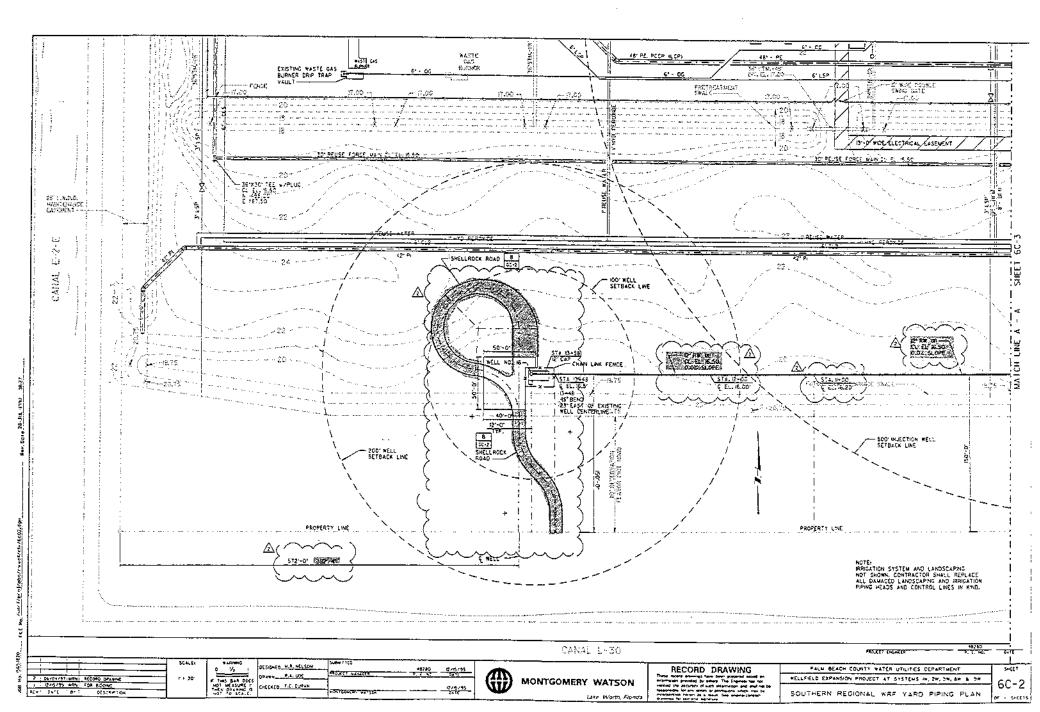


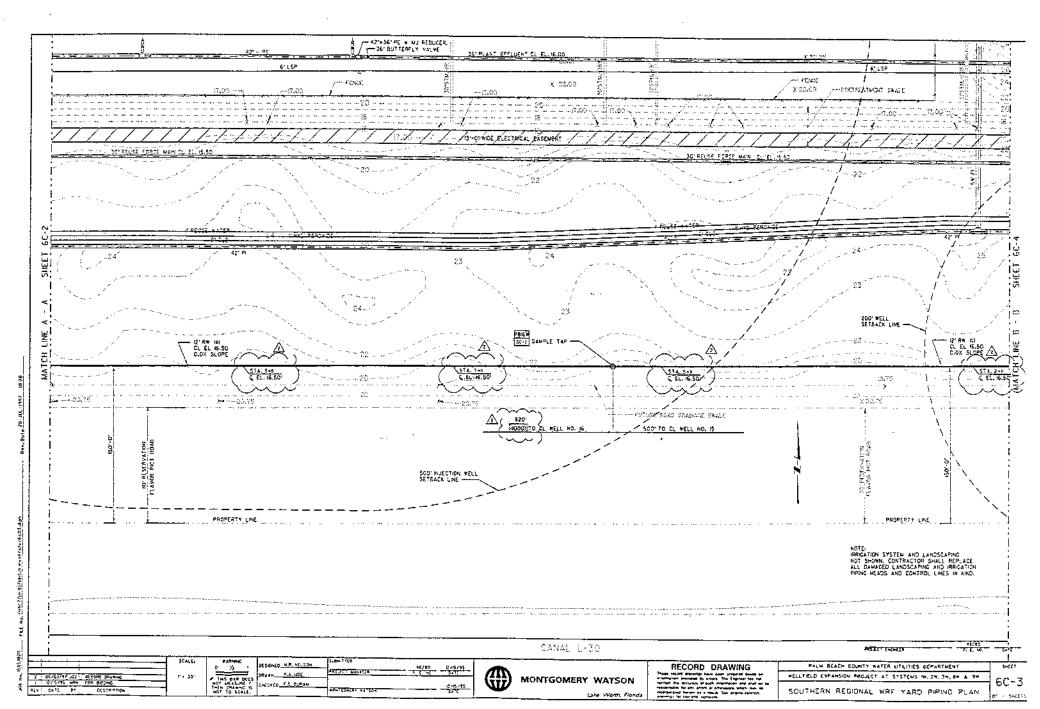


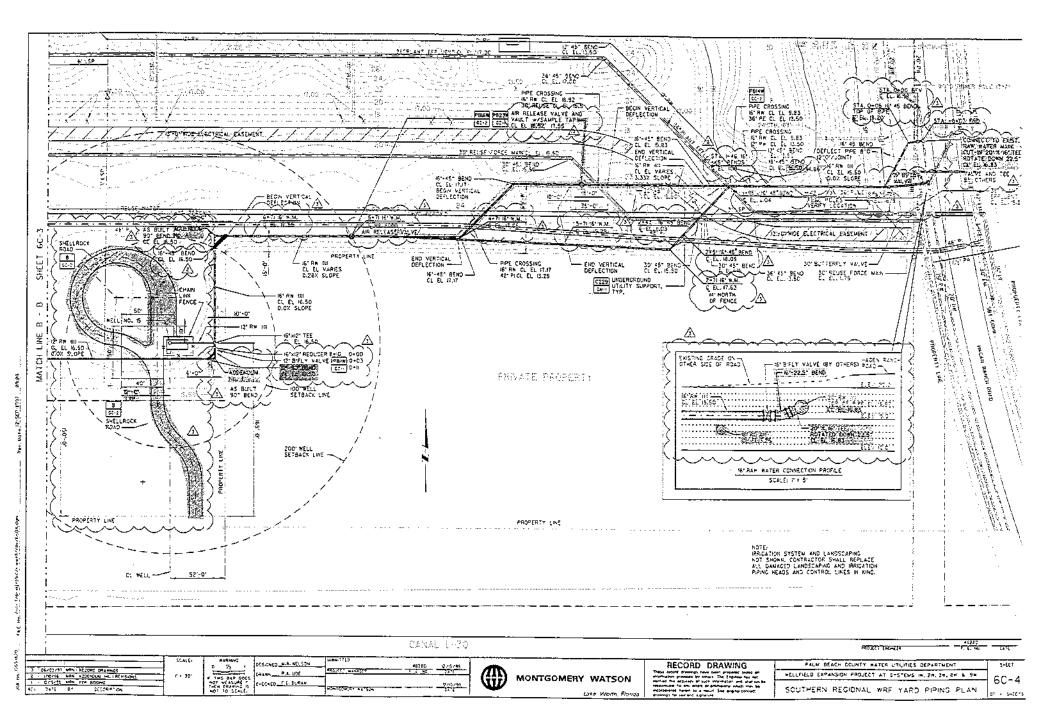


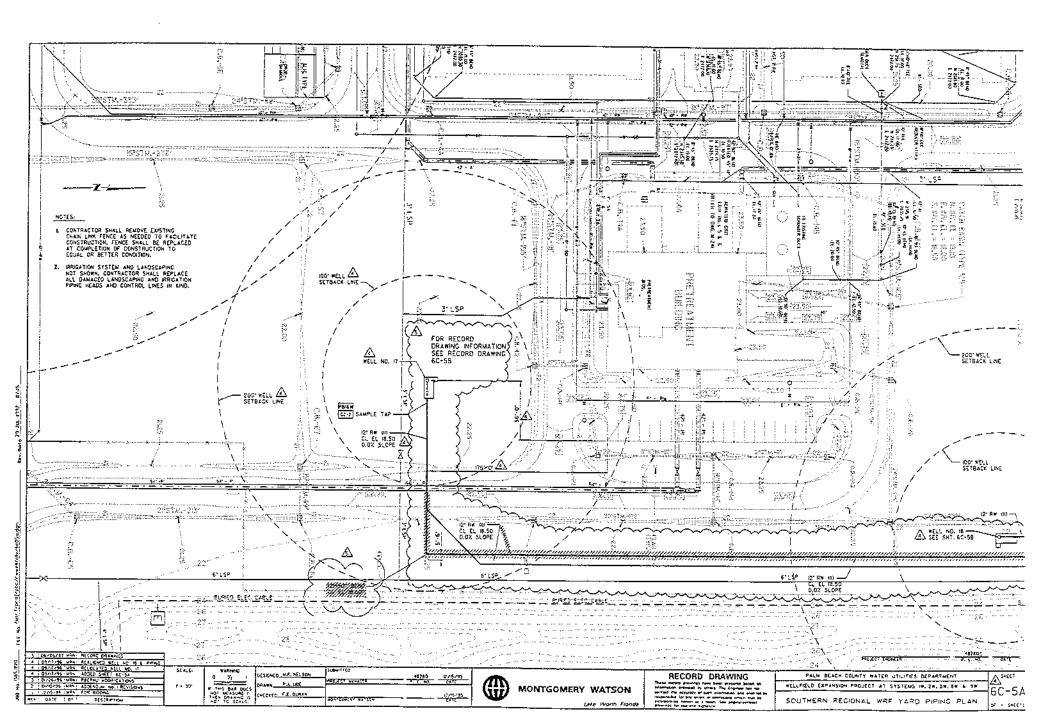


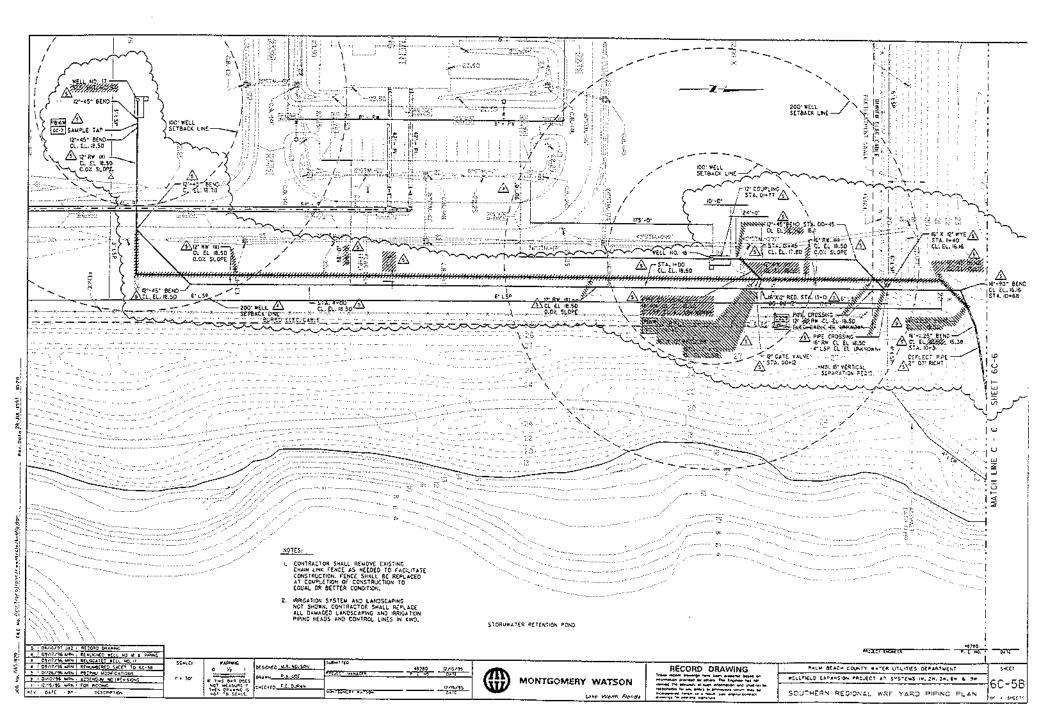


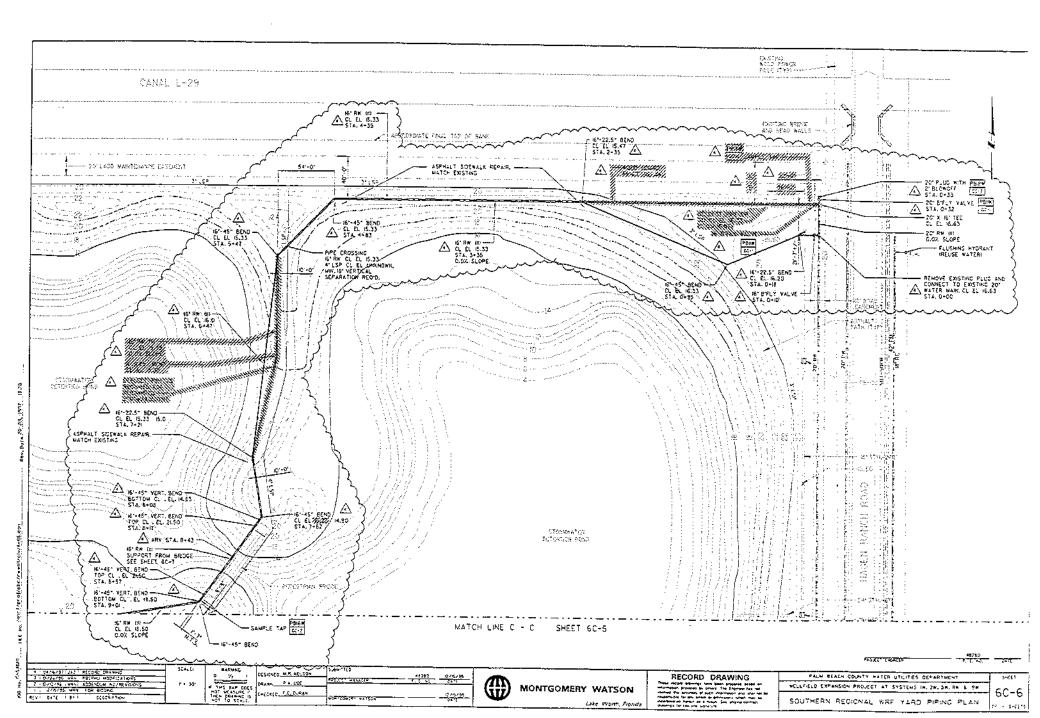


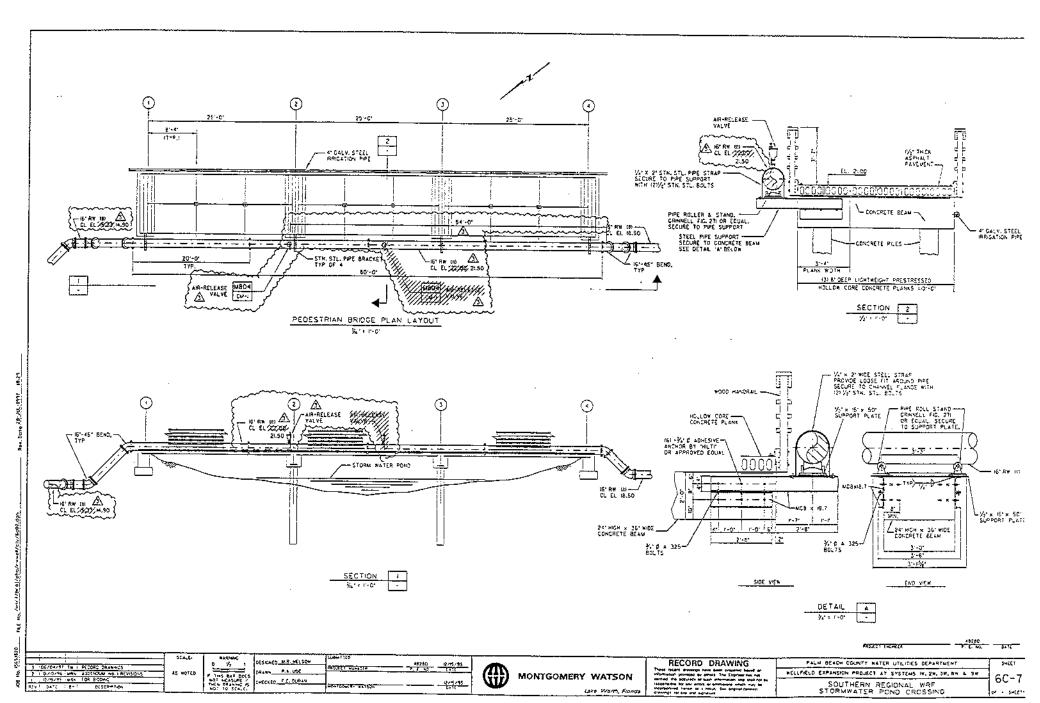


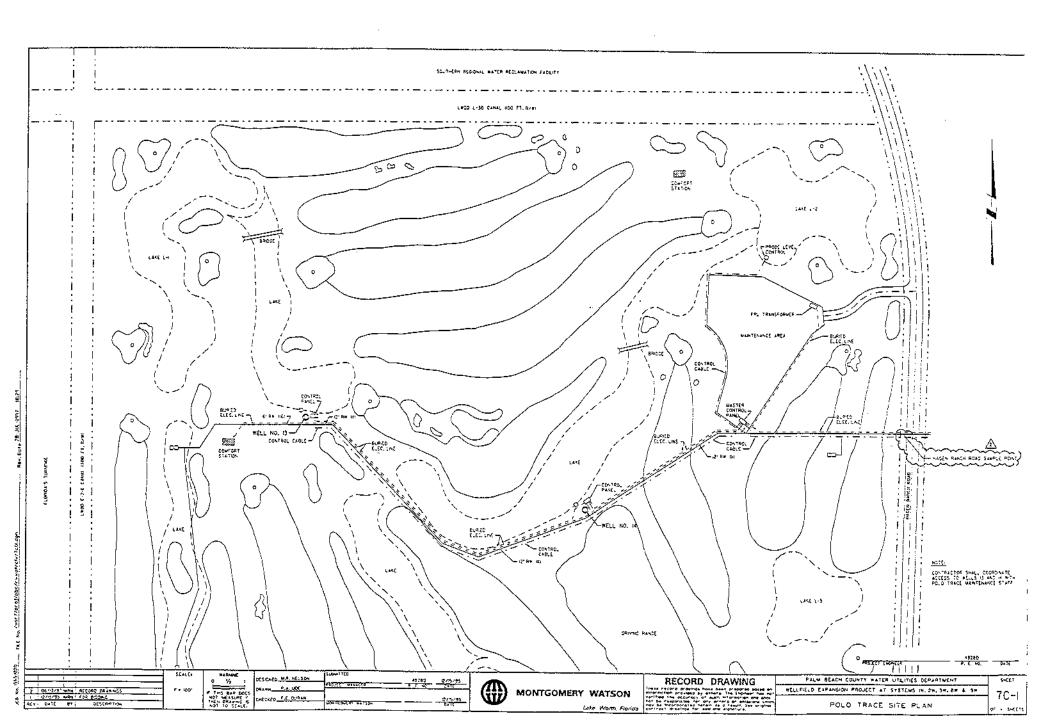


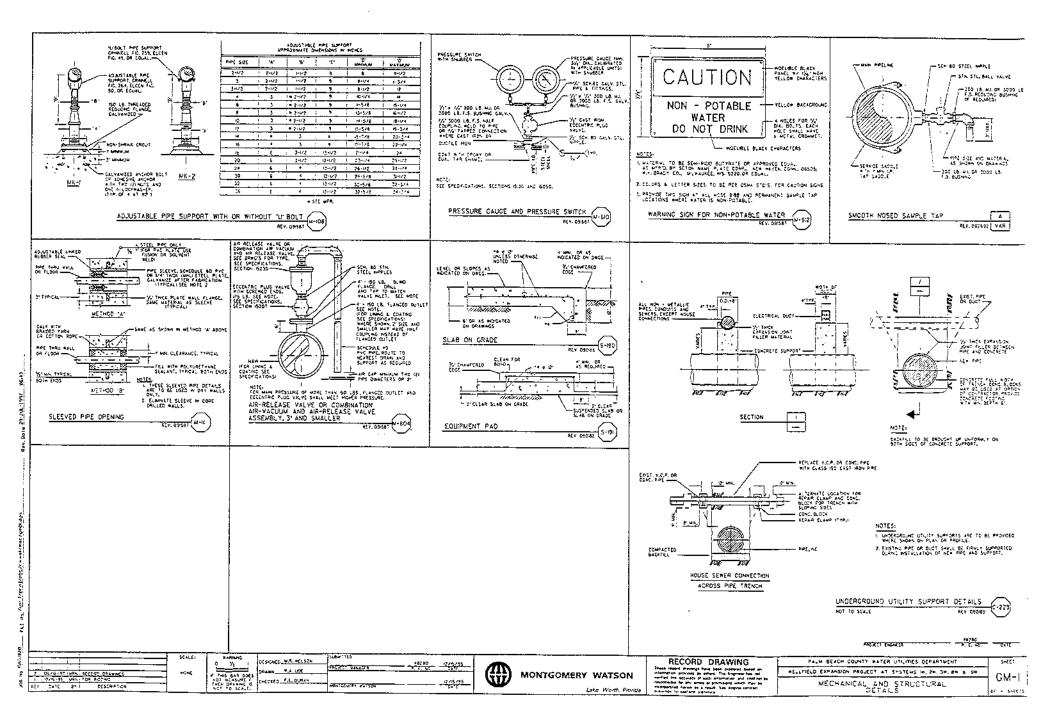


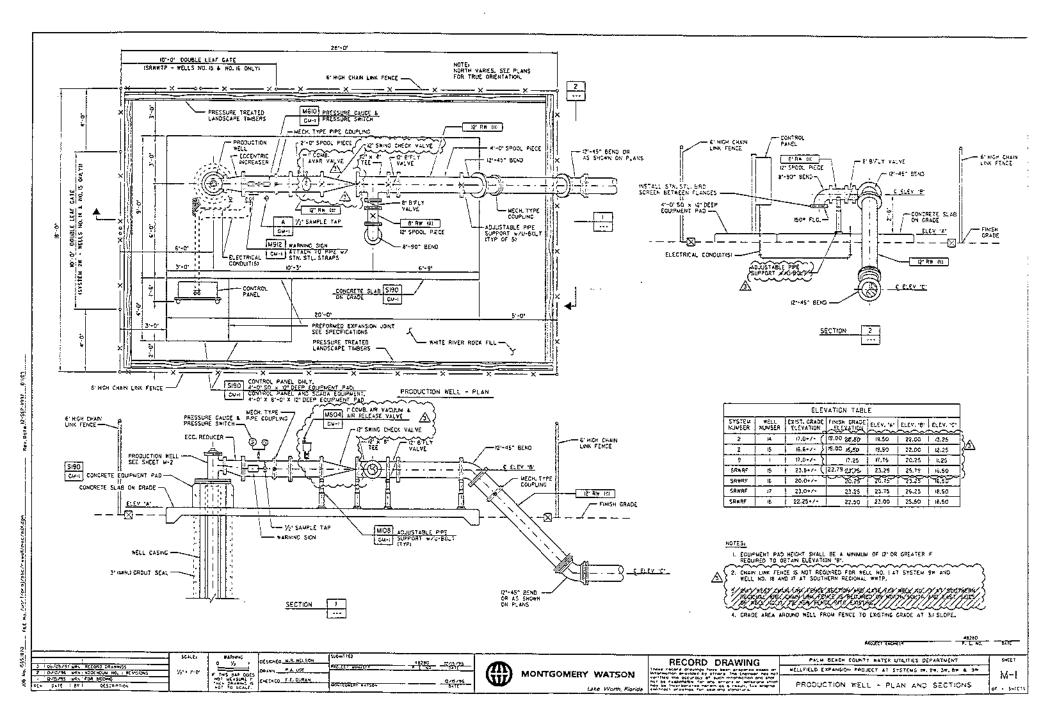


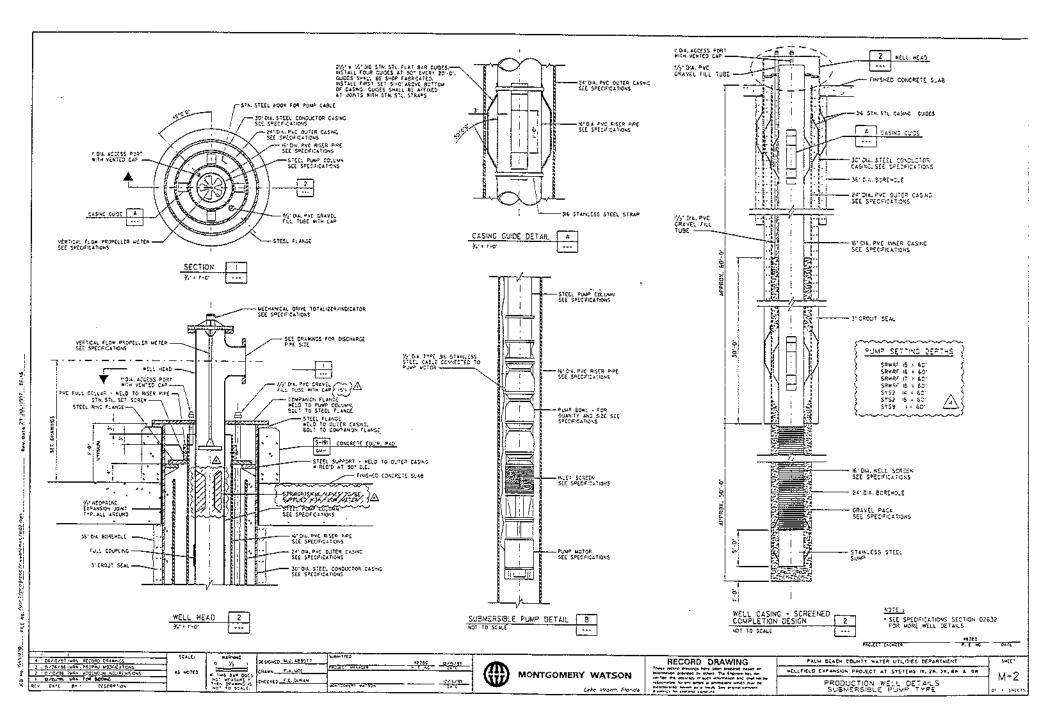


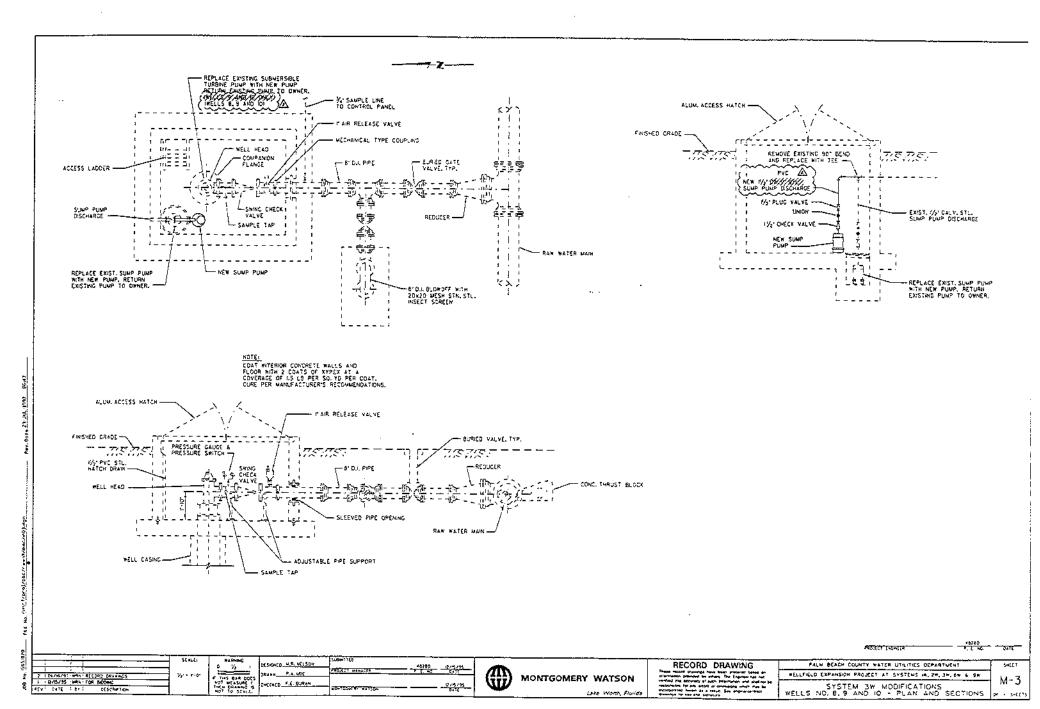


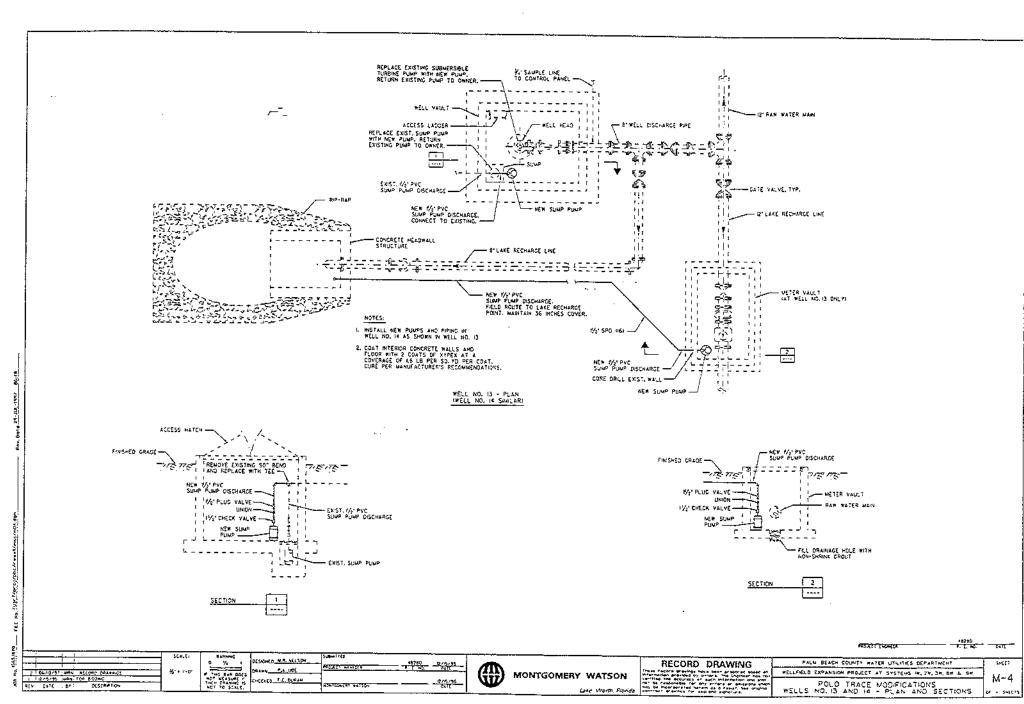






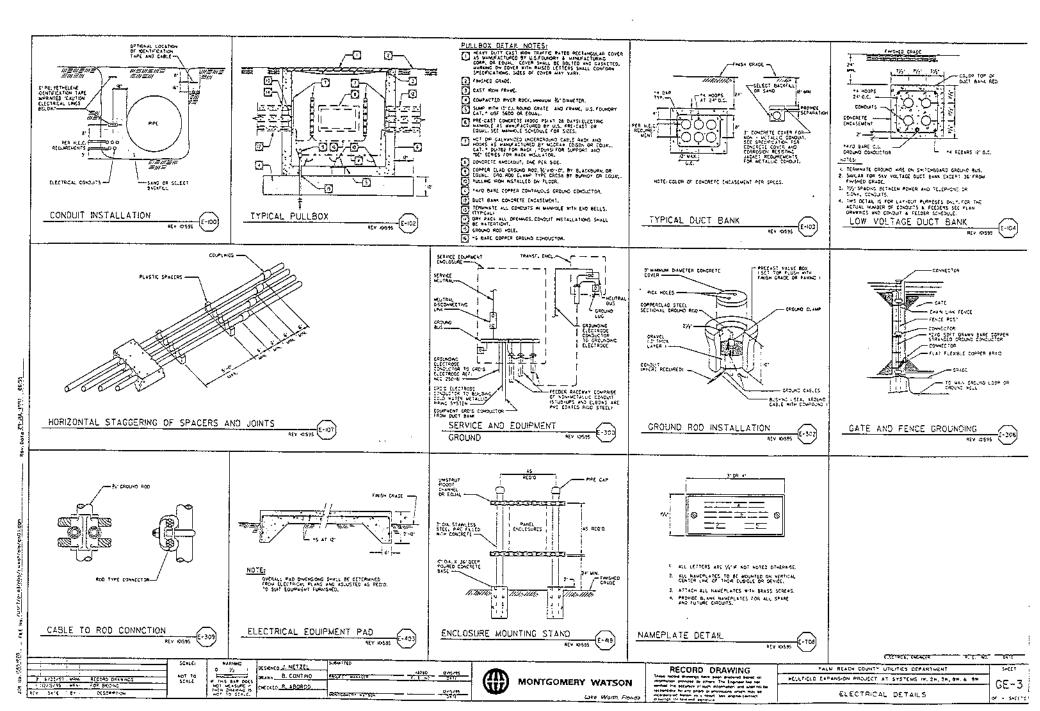


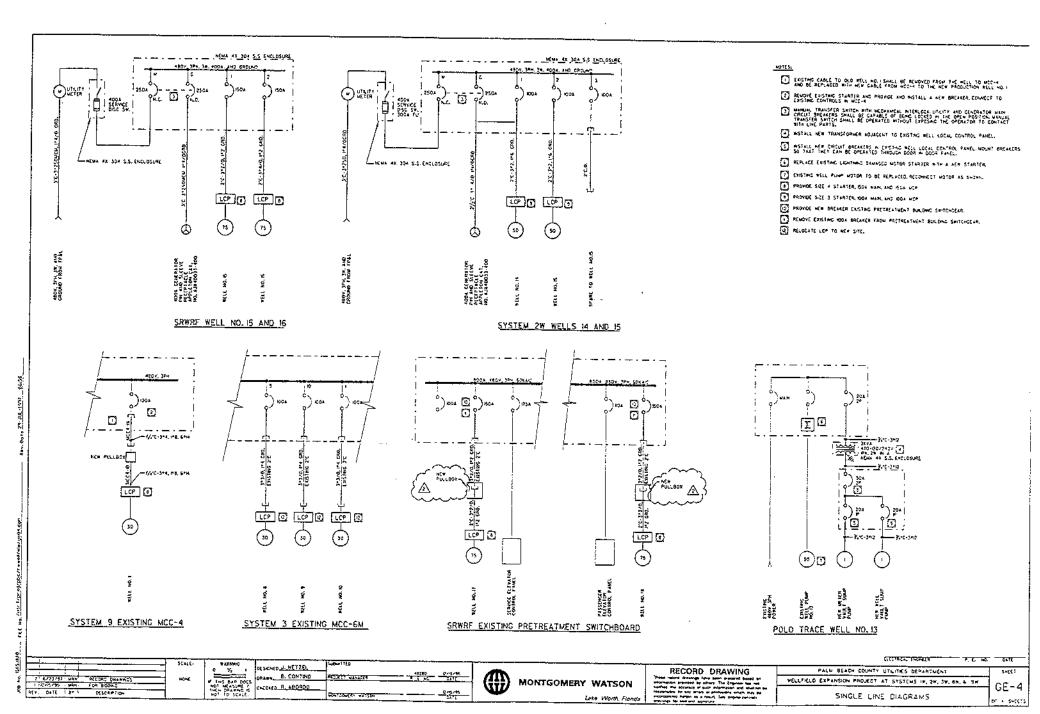


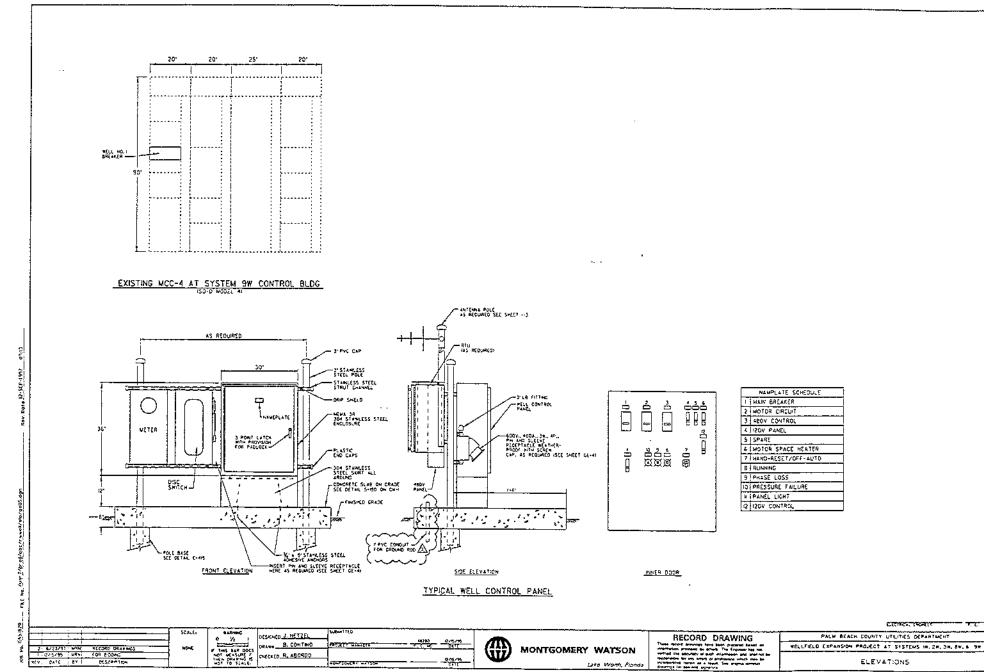


	P_L_A			S IN C	SLE LINE DIAGRAM	SCНЕМАТ	IC DIAGRAM
	- CROUND BUS	WALL FLOG	0R		- AUS		
	- EXPOSED CONDUCT	9 8	120V SINGLE RECEPTACLE, NEMA		555	CONTROL RELAY DA COL	MANUAL MOTOR STARTER WITH OVERLO
	- CONDUST CONCEALED ABOVE FLOOR				ACROSS-THE-LINE, NON-REVERSING NEMA 5:2E 2 MAGNETIC STARTER	EXAMPLE TO2 THE DELAY HELAY NO. 2 DRICONTROL RELAY	CTD FLS:
	- CONDUST RUN UNDERGROUND OR IN CONCRETE	8	120V DUPLEX RECEPTACUE, NEMA Configuration 5-20	E,		STARTER NO, FMAIN CONTACTOR COL	RESISTOR (FIXED)
	EXPOSED CONDUCT RUN BEHIND DESTRUCTION	ہے ہے!	SINCLE SPECIAL-PURPOSE RECEPTACLE. 2084.	الاستيال	NEMA SIZE & MAGNETIC STARTER: P M - PART WHOING, REV - REVERSING RV - REDUCED VOLTAGE, AUTO-TRANSFORMER 25 - SOLIG STATE	TINED CONTACTS - CONTACT ACTION DELAYED AFTER COLL IS :	POTENTIONETER TYPE RESISTOR REONTINUOUSLY ADJUSTABLE
	BARE COPPER GROLING TO GROUND WIRE IN SLAS,	୍ ବ୍	IPHASE, ASTERISK INDICATES NUMBER SUCH & AMPERACE, UNLESS CTHERWISE NOTED.	S .	SS - SOLID STATE CONTACTOR, SIZE LAS NOTED	ENFROTED	0 0 0
-	DA UNDERCROUND CROUND GRID, SIZE AS NOTED.	-8	WELDING RECEPTACUE, 480V. 3 PHASE, 601.	×'		NORNALLY OPEN WITH TIME DELAY CLOSING	- PUSH-TO-TEST INDICATING LIGHT
	- UNCERGROUND TELEMETRY CONDUST	, Y				A NOTO	
	HOVE BUN TO PANEL "LP", CROUTS 41 3. 7. CROSS MARKS INDICATE NUMBER OF CONDUCTORS.	-9	SINGLE SPECIAL PURPOSE RECEPTACLE 480V.A.C. UNLESS OTHERWISE NOVED.	j 504.)	MOLDED CASE DIRCUIT BREAKER, 3 POLE UNLESS CTHERHISE NOTED: SOAL-TRIP RATING IN AMPERE	A NOTO NORMALLY CLOSED WITH THE DELAY OPENING	SURCE SUPPRESSOR
LP:-L 3, 7	CADSS MERKS INDICATE NUMBER OF CONDUCTORS. LONGER MARK INDICATES NEUTRAL OR CROWN CON- DUCTORS SHALL BE NO. 12 UNLESS OTHERWISE NOTED.	\odot	CLOCK MANGER RECEPTACLE		NA-NON-AUTOMATIC	DE-ENERGIZED	
	CONDUT SHALL BE 3741 UNLESS OTHERWISE NOTED. CONDUT SIZES NOT IDENTIFIED SHALL BE 37410 NIVILUM WITH Z 412 6 1412 GROUND.		LISHTING PANEL	OR	WEP - WOTOR CIRCUPROTECTOR	NORWALLY OPEN WITH INSTANT CLOSING	
				<u> </u> -≪^→	 ORAWOUT BREAKER, SIZE AS NOTED E0 - DENOTES ELECTRICAULY OPERATED 	◆ N0:0	ELAPSED TINE METER
- 7	TELEPHONE CONDUCT ONLY, MUNUESS OTHERWISE NOTEON.		POWER PANEL	l l	EU - DENOTES ELECTRICAULY OPERATED	THORMALLY CLOSED WITH INSTANT OPENING AND TIME DELAY CLOSING	
	- CONDULT RUN - CHANGE IN EVENATION		WOTOR CONTROL CENTER		- WEDIUM OR HIGH VOLTAGE DRAWOUT BREAKER	NORMALLY OPEN CONTACT	م +:***
	CONDUCT BENDS TOWARD OBSERVER	0	FLOOR TYPE TELEPHONE CUTLET			NORMALLY CLOSED CONTACT	CROSSING OF CONDUCTORS-NOT CONNEC
			SOUND OR PAGING SYSTEM DEVICE. + DENOTES			OT O TORGUE SWITCH ISPECIFY WHEN OPEN)	CONNECTION OF CONDUCTORS, FITTING A
	CONDUIT BENDS AWAY FROM DESERVER	+⊛	NUMBER TO DIFFERENTIATE BETWEEN DEFFERENT	-≪-C⊒)+-	MEDIUM OR HIGH VOLTAGE STARTER	NORMALLY OPEN LINES SWITCH	Connection of Connections, Firster a
	CONDURT CAPPED, OR SEALED	м	PUSLIC TELEPHONE SYSTEM DUTLET	r+(ONTO NORMALLY CLOSED LIMIT SWITCH	DISCONNECT SWITCH
_					LIGHTNING ARRESTOR AND SURGE CAPACITOR		, r
\sim	FLEXIBLE LIGUED - TIGHT CONDUCT CONNECTION	N N	COMPLITER OUTLET Exit light, Snown with two illuminated		• •	CLOSING ON RISING LEVEL SWITCH.	TERMINATION AT PLC IZO RACK, OR AN CATOR PANEL LOCATION *6 AS INDICAT
IW-F	INDIGATES CONDUIT NUMBER FROM MCC 104.	1 0 1	SIDES ARROWS INDICATE DIRECTION OF EXIT	(1)	MOTOR IS HP NOTED	DENNIO ON RISING LEVEL SWITCH.	
	CREAT		GROUND CONNECTION BOLITED TYPE		TRANSFORMER MITH DROUNDED SECONDARY.	-	A PANEL MOUNTED DEVICE
			CROUNGROUND CONNECTION, EXOTHERMIC TYPE		REA SIZE & VOLTAGE RATIO AS NOTED.	CLOSING ON RISING PRESSURE	PIELO DR RÉMOTE MOUNTED DEVICE
		ď	DISCONNECT SWITCH	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	OV POTENTIAL TRANSFORMER. • Ratio 240 Number of PI'S as noted. DRAMOUT INDICATED.	A CUUM OR PRESSURE SWITCH	
\cap	ESPANG OR PENDANT INCANDESCENT, MERCURY VAPOR, OR SAVIJAR LAMP FIXTURE, '2' INDICATES	\boxtimes	LOCAL CONSINATION STARTER	(2)	DRAKOUT MOICATED.	OPENING ON RISING PRESSURE	
20	CIRCUT NUMBER, "" NOICATES FIXTURE CONTROLLED BY SNITCH "".	Ż	CONTACTOR	CT &	CURRENT TRANSFORMER	O TEMPERATURE ACTUATED SWITCH:	8 m
١n	WALL BRACKET INCANDESCENT, MERCURY VAPOR.			יניל גילט	RATIO AND NUMBER OF CTI'S AS NOTED	CLOSING ON RISING TEMPERATURE	· · · · · · · · · · · · · · · · · · ·
Ю	OR SIMUAR LAND FIXTURE WITH EXPOSED BACK BOX AND CONDUCT.	Ð	NOTOR	LCP	LOCAL CONTROL PANEL	CHEMPERATURE ACTUATED SWITCH,	
Ю	WALL BRACKET FLOOD OR SPOTLICHT WITH	-	PUSHEUTTON STATION 'SS ' START-STOP, 'LOS ' LOCKOUT-STOP.		- ELECTRICAL ENCLOSURE DUTLINE	C PLOW SWITCH LAIP, WATER, ETC.);	
	CONCEALED BACK BOX AND CONDUNT.	⊡ _{ss}	SLOS ' START-LOCKOUT STOP		- 212070:04E ENGLUSUAE DEREINE	D CLOSING ON FLOW INCREASE	
~O,	POLE MOUNTED FIXTURE DISTRIBUTION TYPE AS INDIDATED ON PLAN	D.	LR LOCAL-REMOTE		ELECTRICAL MOTOR CPERATED VALVE	OTO FLOW SWITCH LAIR, WATER, ETC.); DENNS ON FLOW INCREASE	
F-1	FIXTURE TYPE F-L 2-40 WATT LAWPS	□."	RACEWAY BOX JB JUNCTION BOX	0	WITH INTEURAL REVEASING STARTER	O D NOPMALLY OPEN PUSHBUTTON.	
21.93	3 - NUMBER OF TYPE 'F-" FIXTURES		MH MANHOLE MH KANOHOLE MPC PULLECX	ļ <u>,</u>		MOVENTARY CLOSE	
<u> </u>	FLUGRESCENT LIGHTING FIXTURE.	Ø	TE' TERMINAL BOX	(UNFUSED DISCONNECT SWITCH SIZE AS NOTED	OLEO NORMALLY CLOSED PUSHBUTTON. NOMENTARY OPEN	
	PANEL ONLY	(PSL)		5			
	FLUCRESCENT LICHTING FIXTURE ON EMERCENCY CIRCUIT	C.	FIELD INSTRUMENT I.E.	Í	FUSED D SCONNECT SWITCH	0 0 0 NO/NC MAINTAINED PUSHBUTTON	
	VN SMERVENUT UNUGI	ú	PSL' FRESSURE SMITCH LOW	ші —ңк	VAR		
0	FUUCRESCENT LICHTING FIXTURE	~	'SY SOLENOID VALVE 'HS' HAND SWITCH	— (``	CAPACITOR, KYAR AS NOTED	0% CFF TWO-POSITION SELECTOR SWITCH:	
- ~		1	LINE VOLTAGE THERMOSTAT	٢	KELOWATEHOUR METER WITH DEMAND REGISTER	8-5 A-AUTOWATIC. C-CEF	İ
H۲.	BATTERY EMERGENCY LIGHT FIXTURE	5	HEATER		-	HOLA THREE-POSITION SELECTOR SWITCH	
	SINGLE POLE SWITCH. 101 INDICATES CIRCLET	$\Box \triangleleft$	NORN		WATT METER	(SAME AS ABOVE)	
ła	CONTROLLED	0	PF .	(A)	AMUSTER	CHARTER-POSITION SPRIND RETURN-10-CENTER	
2	COUSEE POLE SWITCH	Ģ	BELL		VOLTMETER	MONENTARY CONTACT SWITCH CLATCH-UNLATCH	
3	THREE-WAY SWITCH	\Box	DENOTES REFERENCE TO NOTE LE SEE NOTE		04426 F1/700 107864	CTTT CON-OFF. EXC.)	
4	FOUR-WAY SWITCH	(",	GROUND ACD \$4" X to -o	(F)	POWER FACTOR METER	SINCLE POLE TOGGLE SWITCH CON-OFF', ETC.)	
•	KEY-OPERATED SWITCH		IUNLESS OTHERWISE NOTED	AB	VARMETER		
\$	SWITCH AND PILOT LICHT	\bigcirc	MOTOR OPERATED VALVE (STARTER NOT INTEGRAL)	5	AMMETER SHITCH		
L.	MANUAL MOTOR STARTER	~		1		CROUND CONNECTION	
		$\bigcirc \boxtimes$	MOTOR OPERATED VALVE WITH INTEGRAL STARTER	12	VOLTMETER SHITCH	OL OL OVERLOAD RELAT CONTACTS INCONETICS	1 Commences and the second
	SCALE: ##BRANC	DES-OMD	J. NET7EL SUBWITEC	·			
			B. CONTINO			These should descent here says and should be	
123-01 - MPA	RECOLD DWANNES NOLE IF THIS DAR O 1005 REDONG NOL INCLUDE 255569100 107 70 551	iora (mare	CONTRACTOR CONTRACTOR		(CC) MONTGOMERY WATSON	NCLLPCLD EXPAN	NSION PROJECT AT SESTENS IN. 24. 34. CH. & 94

		i	<u>A B B R E V</u>	· · ·		<u>s</u>	· · · · · · · · · · · · · · · · · · ·		D E	<u>VICE</u>	LIST
	AMPERE, AUTO, AMMETER	GALV	GAL VANZED	0	OPEN ON CENTER	[FUNCTION	DESCRIP	TION	FUNCTION DESCRIPT
≜C	ALTERNATING CURRENT	GEN	CENERATOR	50	CENTER TO CENTER	Luc	UNDERGROUND	25	CENERATOR SYNCHRONIZE	A	63X LAUXILIARY RELAY
4/C	AIR CONDITIONING	GRD	CROUND			UH I	UNIT HEATER	27	UNDERVOLTAGE RELAY		65 COVERNOR CONTROL
ΔF	AMPERE FRAME SIZE OF CKT. BRKRS.	ни	MAND HOLE	0.	OVERLOAD RELAY	1		32	DIRECTIONAL POWER REL	74	8.P OVERFREQUENCY RELAY
456	ABOVE FINISHED FLOOR	HO	HICK INTENSITY DISCHARGE	P	POLE		VOLTAGE. VOLTS	43	SELECTOR SWITCH		BU UNDERFREQUENCY RELA
AL.	ALUNINUM	H:GH	HIGH SPEED CONTACTOR	PA	PUBLIC ADDRESS SYSTEM	YAR	VAR METER	46		SE-BALANCE CURRENT RELAY	23 AUTOMATIC SELECTIVE I
214	AMMETER	HOA	HIGH SPEED CONTACTOR HAND - OFF - AUTOMATIC	PB	PUSHBUTTON	VFO	VARIABLE FREQUENCY DRIVE	47	UNDERVOLTAGE PHASE 5		86 LOCK-OUT RELLY
ANN	ANISJNCIA 709	NP NP		PCM	PROCESS CONTROL MODULE	VP	VAPORPROOF	49		RNISHED WITH TRANSFORMER	Loon but high
2MP			HOASE POWER	P7	POWER FACTOR	vs	VARIABLE SPEED. VOLTMETER SWITCH	503	INSTANTANEOUS OVERCU		
APPR	ANPERES. ANPERACE	HPS	NIGH PRESSURE SODIUM	PH, 20	PHASE	•	N.175. HIRE	5	THE OVERCURRENT RELA		67 OFFERENTIAL RELAY
APPN AS	APPROVED		HEATER	PNL	PANEL	WHD	WATTHOUR DEMAND METER	5IN	THE OVERCURRENT GROU		
-	ANAMETER SWITCH, ADJUSTABLE SPEED	HVAC	REATING VENTICATION AIR CONDITIONING	PN: 20	PANELEOARD	**	NATTHOUR METER	51V		AY WITH VOLTAGE RESTRAINT	! (
AT	AMPERE TRIP	HZ	HERTZ	PCS	POSITION	WP	WEATHENPROOF	50/5	INSTANTANEOUS/TINE OV		
ATS	AUTOWATIC TRANSFER SWITCH	w.C	INTERMEDIATE METAL CONDUIT	POT	POTENTIONETER			\$205		SHOURHENT HELAT	
07UA	AUTOWATIC	INCAND	INCANDESCENT	PR:	PRIMARY	xQ	TRANSDUCER	32.5	SPRING RETURN TO NOR	OU SWITCH, THRPS CLOSES	
ANC	AMERICAN WIRE GAUGE	IND	INDICATION ISYSTEMI	PS	PRESSURE SWITCH	XFMR	TRANSFORMER	521	THE CIRCUIT BREAKER]
TTAB	BATTERY	1/0	INPUT/GUTPUT	FT	POTENTIAL TRANSFORGER	XMTR	TRANSMITTER	63		Y FURNISHED WITH TRANSFORMER	1
BKR	BREAKER	INST	INSTANTANEOUS (TD CONTACT)	PVC	POLYVINYL CHUDRIDE	1					<u></u>
66:	BUBSLER	IN STR	INSTRUMENT	PW	PERT WINDING	1		1		GENERAL NO	TES
881 81.DC	BURDIER	150	SHORT CIRCUIT CURRENT, AMPS	PMR	POWER	1				· · · · · · · · · · · · · · · · · · ·	
		NYT	INVERT					1 .	THE CONTRACTOR SHALL Y	ERFY EXACT LOCATION OF TERMINAL	
С	CONDLAT, CLOSED		•	850	RECEPTACLE	[[BOXES AND CONCLAT ENTRA SHOP DRAWNES REFORE SY	ERFY EXACT LOCATION OF TERMINAL INCES OF ALL EQUIPMENT AGAINST UBBING UP CONDUCTS.	
C+3	CABINET	JB	JUNCTION BOX		RECEPTACLES			[.			
¢5	CIRCUIT BREAKER	J BOX	JUNCTION BOX	REDID	REDURED	ł		2.	TERMINATED AS SNOWN N	PHENY OR EXTENSION SHALL BE DETAR DR AS SPECIFIED.	
ÇK 7	CIRCU:T	буа	KILD TICODI VOLT AMPS	1	•			3			
C 0	CONDUIT DALY	KW KW	KILOWATTS	REV RGS	REVERSE CONTACTOR COL		· · · · ·	~		CONDUCT AND MOTOR TERMINAL DIRD-TIGHT CONSULT.	
COND	CONDUNT	Кан	KILOWATTS KILOWATT HOUR	2	RIGID GALVANIZED STEEL			4.	EXPOSED FLEXIBLE CONNEC	TIONS SHALL BE FLEXIBLE LIQUID- WED GROUNDING TYPE FITTINGS O'N LENGTH FOR 2 SIZE AND DA SIZES I/Y AND SMALLER.	
CONPT	COMPARTMENT	ned.	NGORATI BUUB	RUN	RUN CONTACTOR COL				AND SHALL NOT EXCEED 3	IVED ERGUNUNG TIPE FITTINGS	
COMPR	COMPAISSOR	ιc	LICHTING CONTACTOR		REMOTE TERMINAL UNIT	1/0	INSTRUCT WIDING DUC	1.	LARCER, MAXIMUM OF 18 FI	OR SIZES IN AND SMALLER.	
CP	CONTROL PANEL	LCB	LOCAL CONTROL BOARD	RYNR	REQUCED VOLTAGE NON-REVERSING	120	INSTRUMENT WIRING DIAG.	5.	CONDUITS TERMINATING AT EENTER, PONER PANELS, C	SWITCHEDARD, WOTOR CONTROL ONTROL CABINETS, ETC., SMALL NON'D BUSHING 'OZ' TYPE 'OB' AND I NO, 6 GROUND WIRE,	
CPT .	CONTROL POWER TRANSFORMER UN	LCP	LOCAL CONTROL PANEL	SCH	SCHEDULE	LALL	CONDUCTS AND MIRES FROM FIELD DEVICES.	1	BE EDUAPPED WITH & GROUN	ON'S BUSHAG 'OZ' TYPE 'OB' AND	
	INDIVIDUAL STARTER CUBICLEI		LOCAL	SEC	SECONDS, SECONDARY	EQUIP	MENTS, AND LOCAL CONTROL PANELS TO NAL CABINETS SHALL BE FURNISHED. LLED AND TERMINATED UNDER DIVISION 16.	1 .	CONTRACT AND A PRANE ALLA	- NO, & GHOUND RIKE, - 401 85 2005 1010 51000-	
CR	CONTROL RELAY WAGNETICALLY		PUSHEUTTON W/LOCK-OUT-STOP	SECT	SECONDS, SECONDERY SECTION	INSTA	DAU LADINGIN SHALL BE FURNISHED. LLED AND TERMINATED UNDER DIVISION IN.	1	CENTER LASS OF TERMINAL	NOT BE MORE THAN & FROM BOXES.	
	NELD)		LEVEL SWITCH		SELECTOR SWITCH		CONDUITS FROM TERMINAL CABINETS TO REMOTE	1 2.			
	CURRENT TRANSFORMER		LIGHT. LIGHTS	SEC	SELECTOR SHITCH SEDDENCE	7510	AETRY UNIT (RTU) SHALL BE FURN SHED AND	1	FREE STANDING PANELS SH	SMITCHBOARDS, SMITCHCEAR AND ALL ALL BE SET ON CONGRETE PAD AND DED IN PAD AS SHOWN IN MCC DETAI ED.	
¢u	COPPER		LIGHTING		SEQUENCE	14574	LLED UNDER DIVISION IS.	1	UNLESS OTHERMISE INCICAT	10. 10.	~ '
bc	DIRECT CURRENT		LOW SPEED CONTACTOR	SHID SHT	SH11020 SH117	1. ALL N	NEES FROM TERMINAL CAEMETS TO REMOTE ACTRY UNIT INTURSHALL SE FURMISHED, INSTALLED TERMINATED UNDER THIS BID PACKAGE.	} •	R CASE OF INTERFERENCE	BETWEEN ELECTRICAL EQUIPMENT IND DINER EQUIPMENT, THE THE ENCINEER IN WRITHIG AND W THE PROPOSED CHANGES	
0:50	DISCONNECT		1		5/G/64L	TELEI	CTRY UNIT INTUS SHALL SE FURNISHED, INSTALLSO	1	CONTRACTOR SHALL NOTIFY	THE ENGINEER OF WRITING AND	
	DISTRIBUTION	ы	MOTOR CONTACTOR COL	SIG		72R.M	NATIONS OF WISS AT RELEASED FACKLOS	ł	THE ENGINEER SHALL REVE BEFORE THEY ARE MADE.	W THE PROPOSED CHANGES	
0901	DGUBLE POLE DOUBLE THROW		MILLIAN?S	51, 52 SP	START CONTACTOR COLLS	PACK	NATIONS OF WHEE AT ATU SHALL BE UNDER BO AGE 7. TESTING FOR CONTUINITY OF WHEES AND IS SHALL BE PERFORMED UNDER BO PACKAGE 7.		ALL OUTCOOR DEVICES SHA		
	DRAMING	MAN	MANUL	SPDT	SPARE						(a)) #7
	a construction of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec		MAGNETIC	-	SINGLE POLE DOUBLE THROW	4. SEE II OLIAN	NSTRUMENTATION DRAWINGS FOR LOCATION AND	· · ·		COR AND ANTICIPATED WET AREAS S R RECEPTACLES.	
E	EMPTY, EMERGENCY		MAXIMUN		SPECIFICTIONS	DAAN	FITY OF LIGHTING ARRESTERS, SEE DETAG	•.	ALL RECEPTACLES SHALL B	E NOUNTED 12" ABOVE FLOOR E NOICATED.	
LEV	ELEVATION		MOTOR CONTROL CENTER	SP HTR	SPACE HEATER		······································				
IN CRO	EMERCENCY	-	MAIN CONTROL BOARD	SPST	SANGLE POLE SINGLE THROW			Q.	LOCATION OF PULLBOXES A	RE APPROXIMATE, CONTRACTOR LOCATION OF PLC LEONES WITH	
	ELECTRICAL METALLIC TUBING	4CM	THOUSAND CIRCULAR WILS		SHUNT TRIP				MECHANCAL PIPING AND SH.	RE APPROXIMATE, CONTRACTOR LOCATION OF PULLEONES WITH ALL BE ARAT FROM FLOW LINES, HALL BE AT NO ADDITIONAL	
	ENCLOSURE	MD	MOTORIZED DAMPER		STATION				COST TO THE DWNER.	HALL BE AT NO ADDITIONAL	
-	EXPLOSION PROOF	NH	MANKOLE		STANDARO			i.,	CONTRACTOR SHALL PROVID	E ADDITIONAL	
	EQUIPMENT	MON	MINUTES, MINIAUM		STEEL		HOTEC ON CITE DI LA	1	CONTRACTOR SHALL PROVID PULLBOXES WHERE THEY AN WORKABLE INSTALLATION,	RE RECURED TO MAKE	
	CONDUCTANCE LEVES RELAY		MAIN LUGS ONLY		STARTER		NOTES ON SITE PLAN		CIRCUITS OF OFFERENT	STRUCT VOLTICE SHALL SE	
	ELAPSED TIME NETER		MOTOR OPERATED VALVE	-	SOLENOD VALVE	L ALC	4604. 12072404 FEEDER CABLES/CONDUITS SHALL	1	INSTALLED IN SEPARATE	SERVICE VOLTAGE SKALL BE Receivers, Manholes, Manchole DN Boxes, The Voltage and Ser	s.
	EXHAUS7		MANUAL MOTOR STARTER	\$ %	SWITCH	BE R	DUTED TO MANKOLES OR POWER PULLBOXES	1	PULLEDXES, AND JUNCTIC	ON BUXES. THE VOLTAGE AND SER	VICE
			MOUNT, MOUNTED	5*5	SYSTEM		-	1	О нен и	OLTAGE 21XY	
			NGTOR	16	TERMINAL BOX	4. ALL FUL	CONTROL CABLES/CONDUITS SHALL BE ROUTED TO BOXES DESCHATED AS 'CB'	1	(2) MEDICA	✓ VOLT4GE 2.4-5 KV	
-	(ACODENCI		MULTIPLEXING PANEL						(j) LOW Y	0174GE 120-480 V	
	FIRE ALARY SYSTEN				TIME CLOCK		TELEPHONE, PA SYSTEM, SIDNAL CABLES/CONDUITS L BE ROUTED TO PULLEDXES DESIGNATED AS *56*			MENTATION 4 50 VDC	
-	FLEDER		NEUTRAL		74CHONSTER		DATA MI-WAY CABLES/CONDUITS SHALL BE ED TD PULLEOXES DESIGNATED AS "TB"			HONE/COMMUNICATIONS	
			NON-AUTOMATE	TEMP	TEMPERATURE	Royt	ED TO PULLEOXES DESIGNATED AS 'TB'	15	-	-	
	FLUDRESCENT		NORMALLY CLOSED	TERM	TERMINAL				MOUNTED IN THE NEE UN	THE CONTROL DIAGRAMS SHALL BE NEESS NOTED OTHERWISE.	
			NUMBER, NUMBERS, NORNALLY DPEN		THERMOSTAT			16.		THE CONTROL DIAGRAMS FOR A P. HE PANEL UNLESS HOTED OTHER	
			NAMEPLATE		REPEAT CYCLE TIMER			.			
	FULL VOLTAGE REVERSIND	MC I	NOT IN CONTRACT	70	TIME DELAY RELAY			17.	ONLY HOMERUN SHOWS T	HE NUMBER OF WIRES FOR THE L	CH1W3
YNR	FUEL VOLTAGE NON-REVERSING	NITS I	NOT IN THIS SECTION		TEMPERATURE SWITCH			1	NUMBER OF WIRES IN FAC	S. CONTRACTOR SHALL DETERMIN TH CIRCUIT TO MAKE THE SYSTEM	2 IPC
ъ¢	FORWARD CONTACTOR COL	NTS	NOT TO SCALE	ĨŸP	TYPICAL			1	COMPLETE AND OPERABLE	.	
								1			
	554	u.Er I	BARMING Subar 1	1150				<u> </u>		······	GT: 14-54 (16-54)
						-		RECOR	D DRAWING	PALM BEACH COUNT	Y UTILITIES DEPARTMENT
	· · · · · -							HEOOR	DIDAWING		
	WW RESES GRAMMOS NO	~ ³		· vevering		⊞	MONTGOMERY WATSON		IC DEALWING 1 And them provide a school on the advance The Engineer has not at each advance on program to be the school base angene converse at knowl. See angene converse at knowl.		AT SYSTEMS IP. 24. 3H. BR. & SH







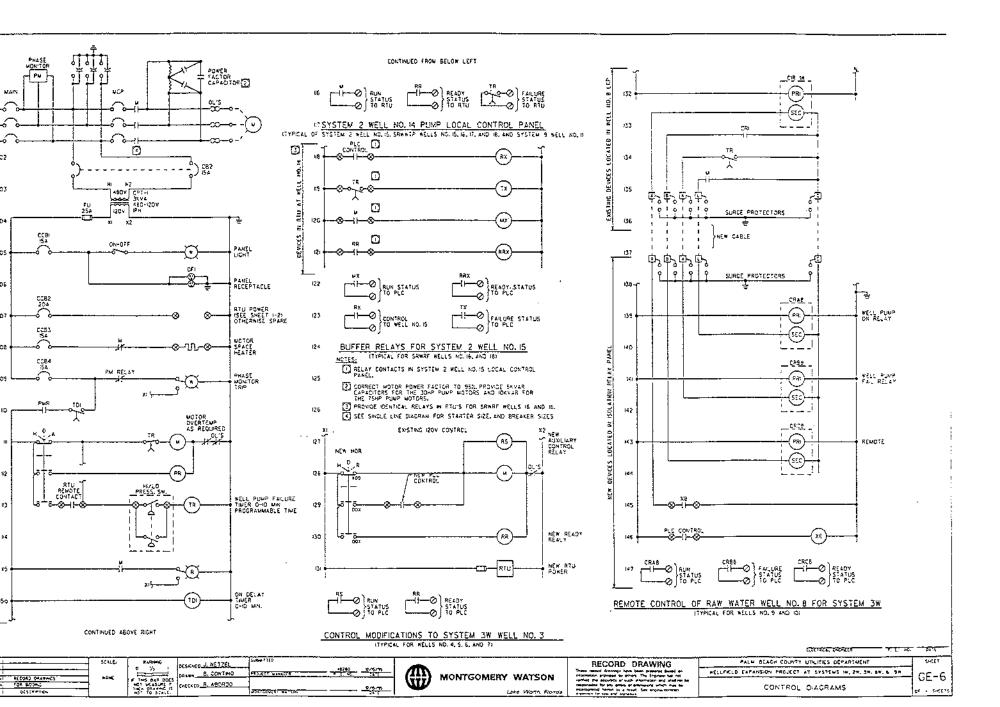
Lake Worth, Florida

MONTH NO.

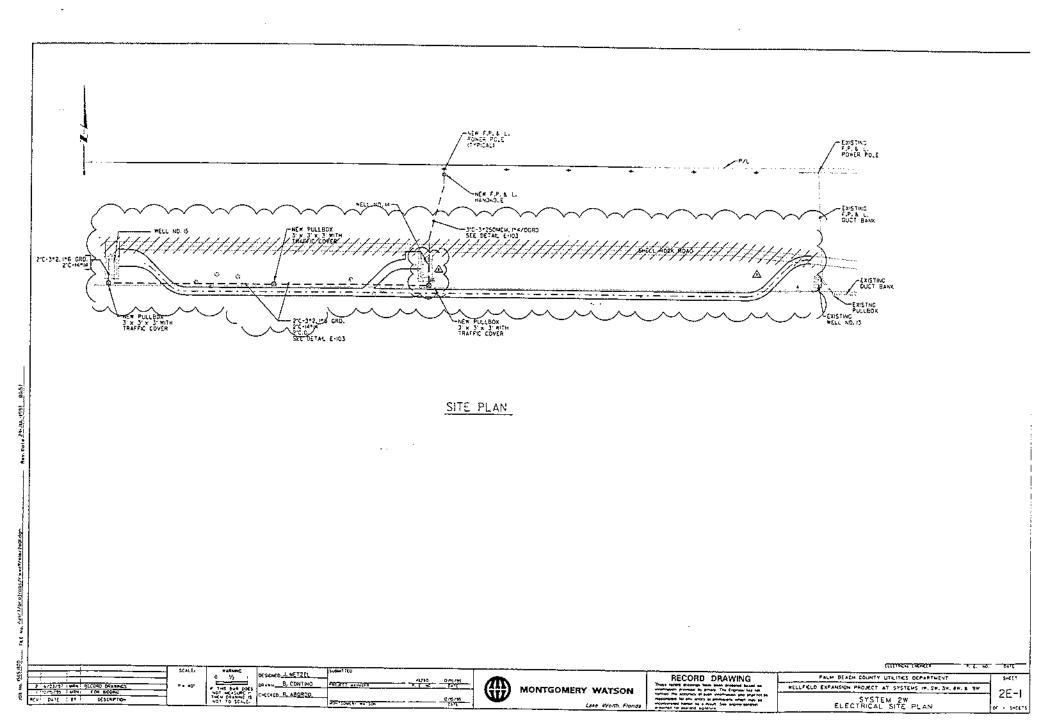
COMPACT/REALY OATE

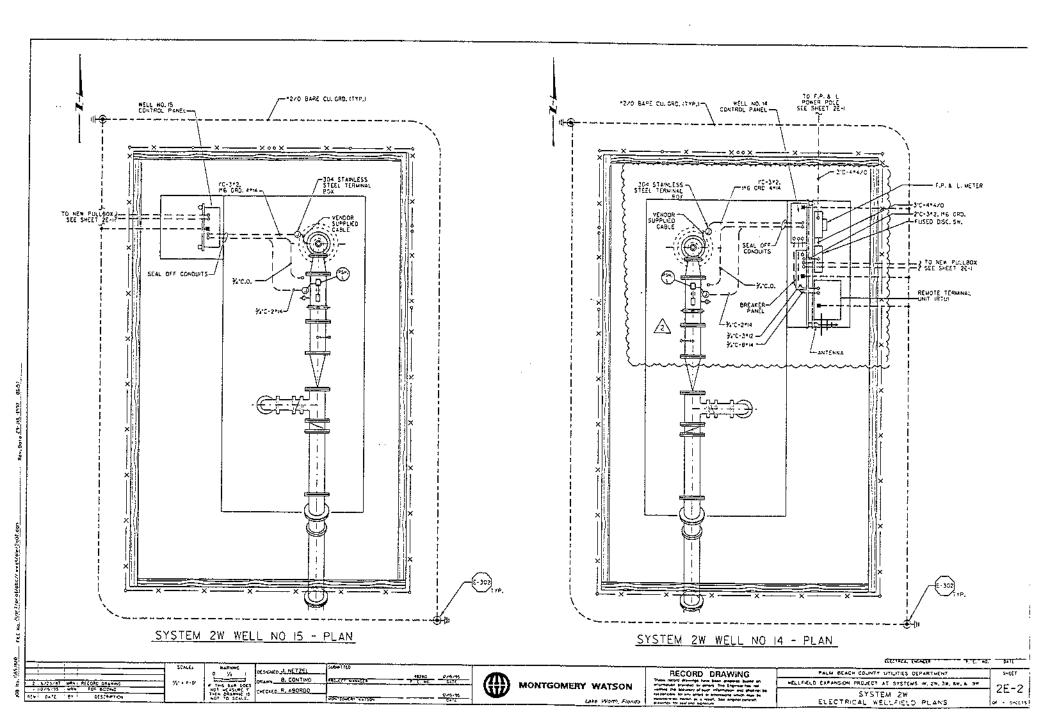
> GE-5 of - s-ctrs

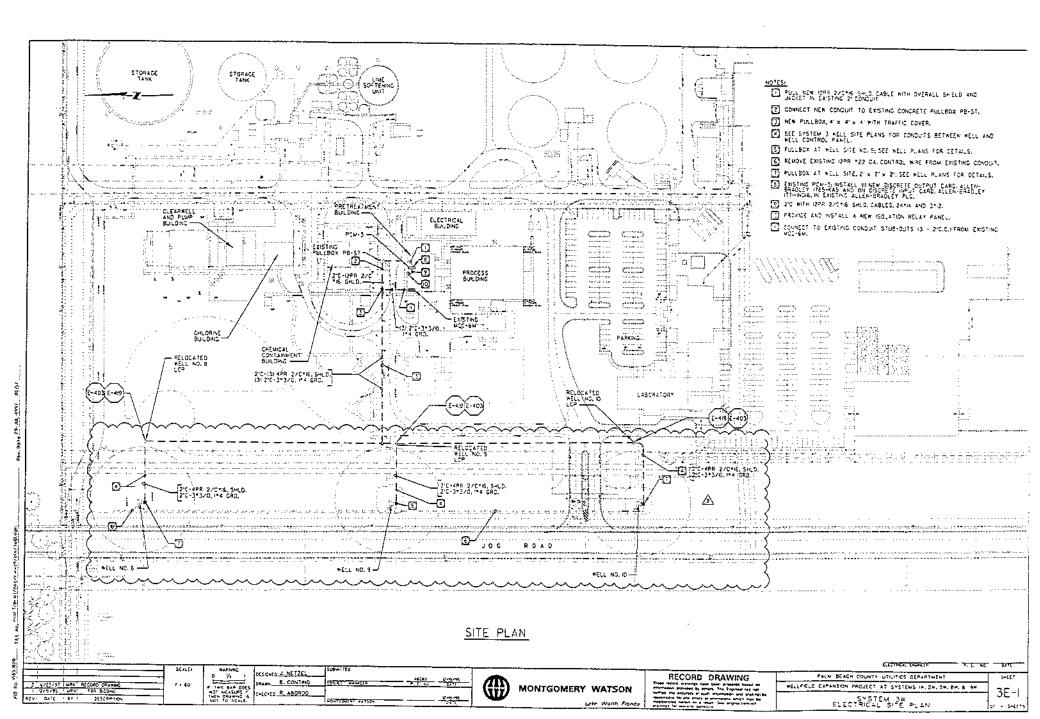
SHELT

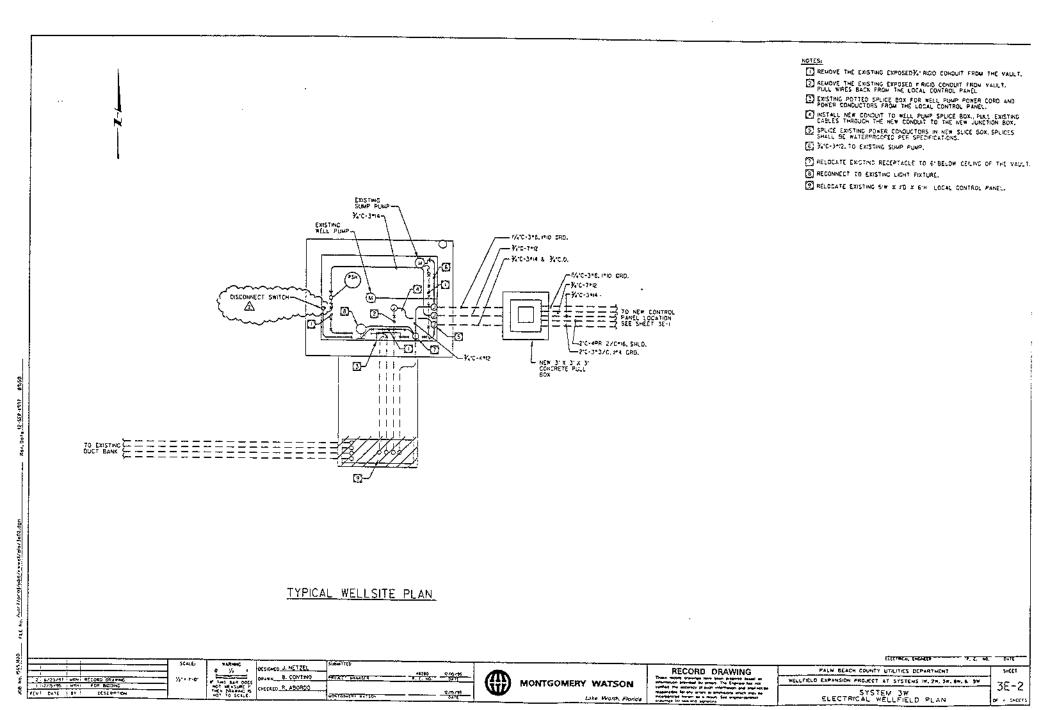


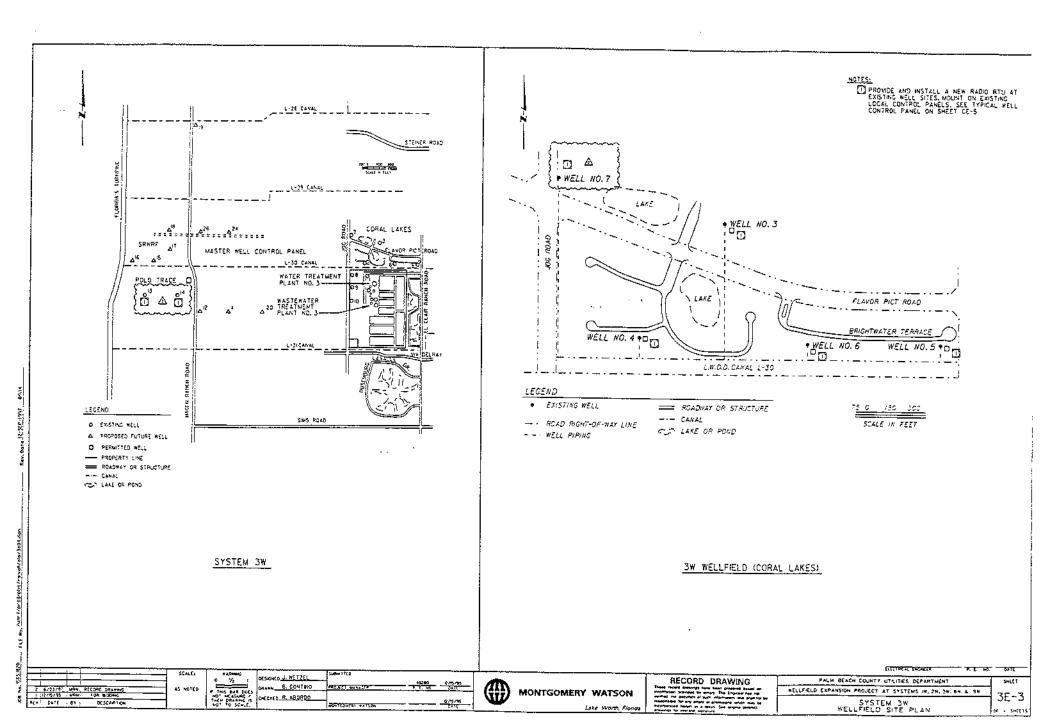
	סבעוביז וסבעובט אי אבור וסכאר בטאומטר האוגר
400 No. 1555 1270 FLC No. (415: 726: 529) 1950/1- 401/ 529/ 9006.404	
40 No. 1585 1270	

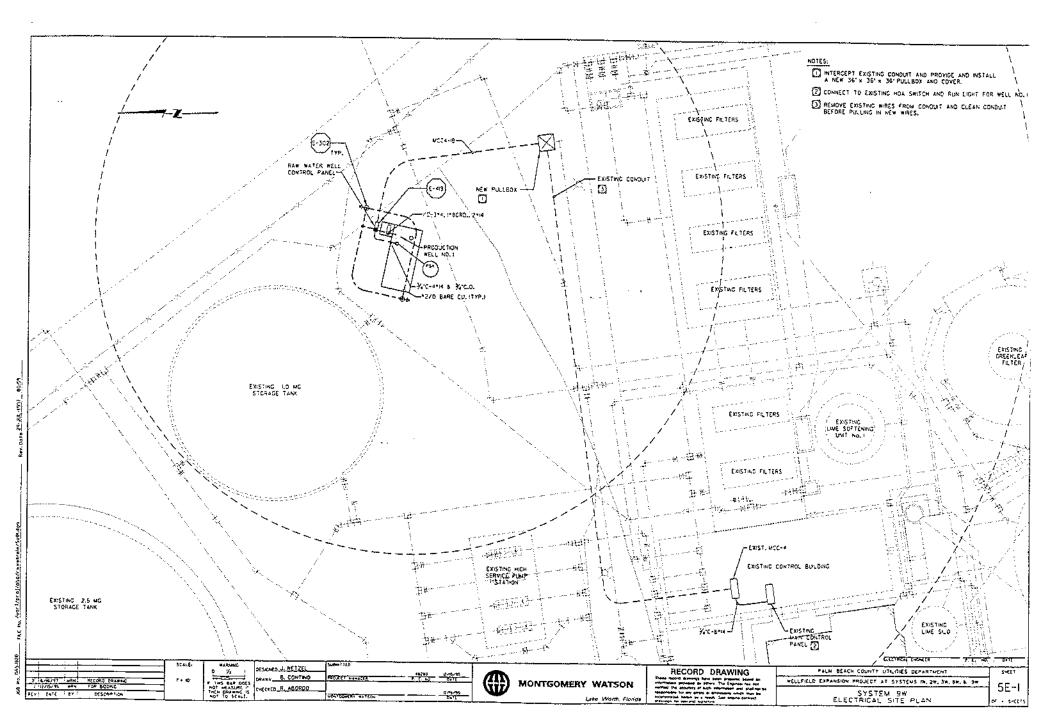


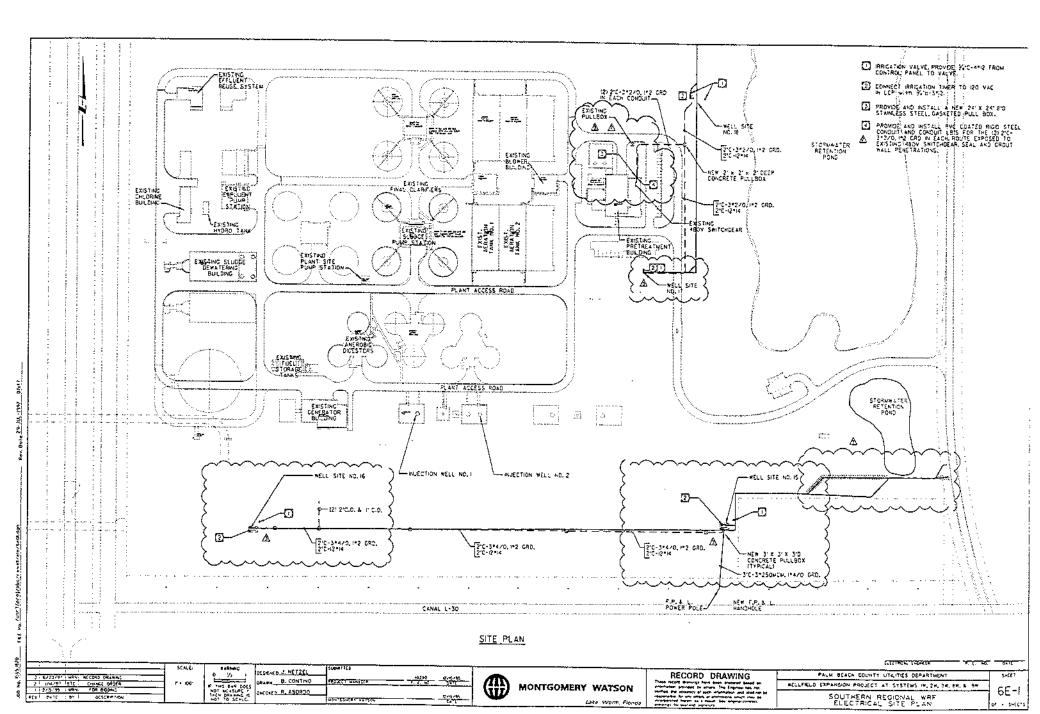


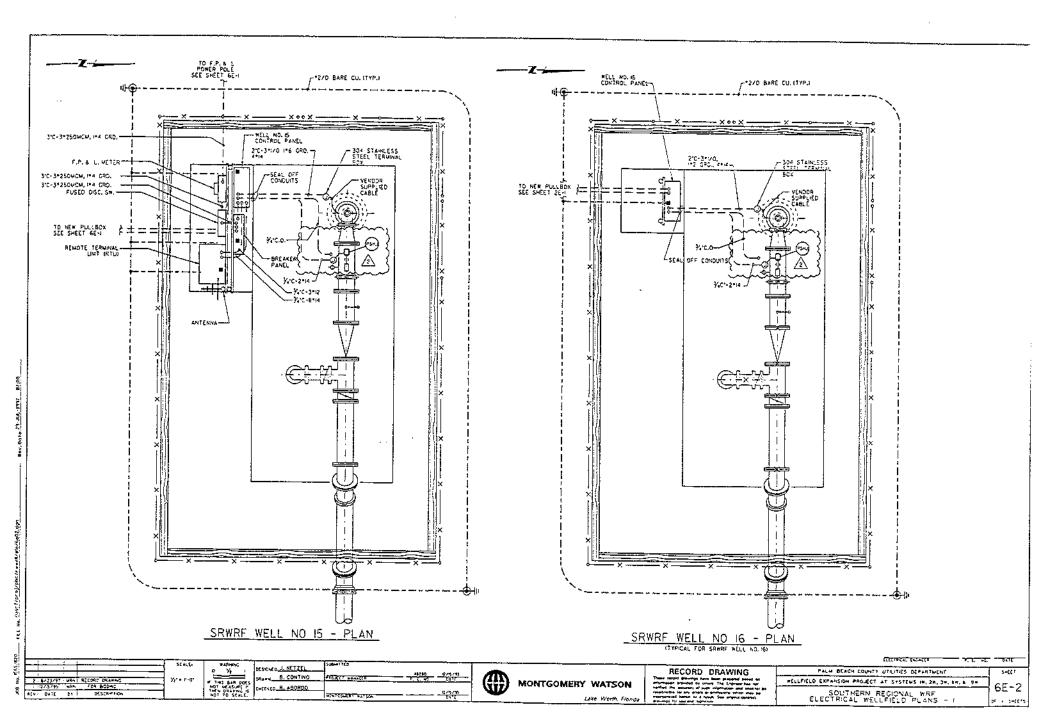


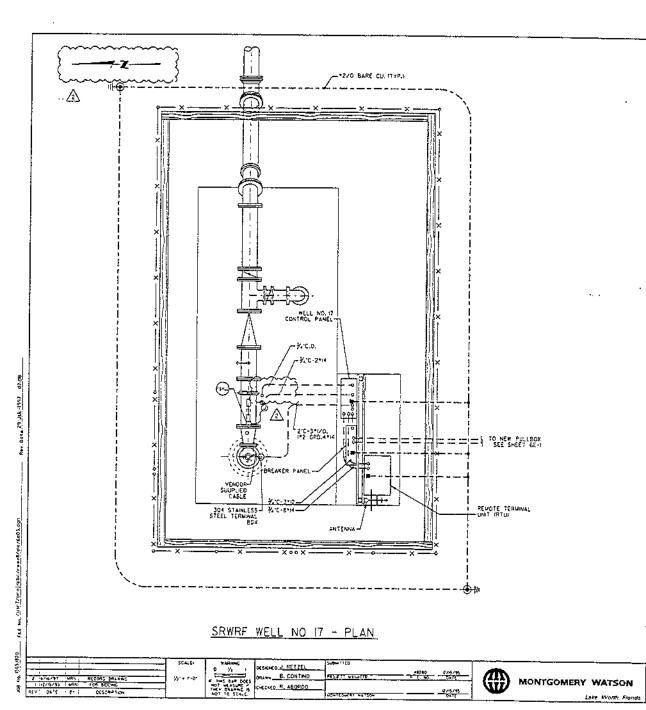








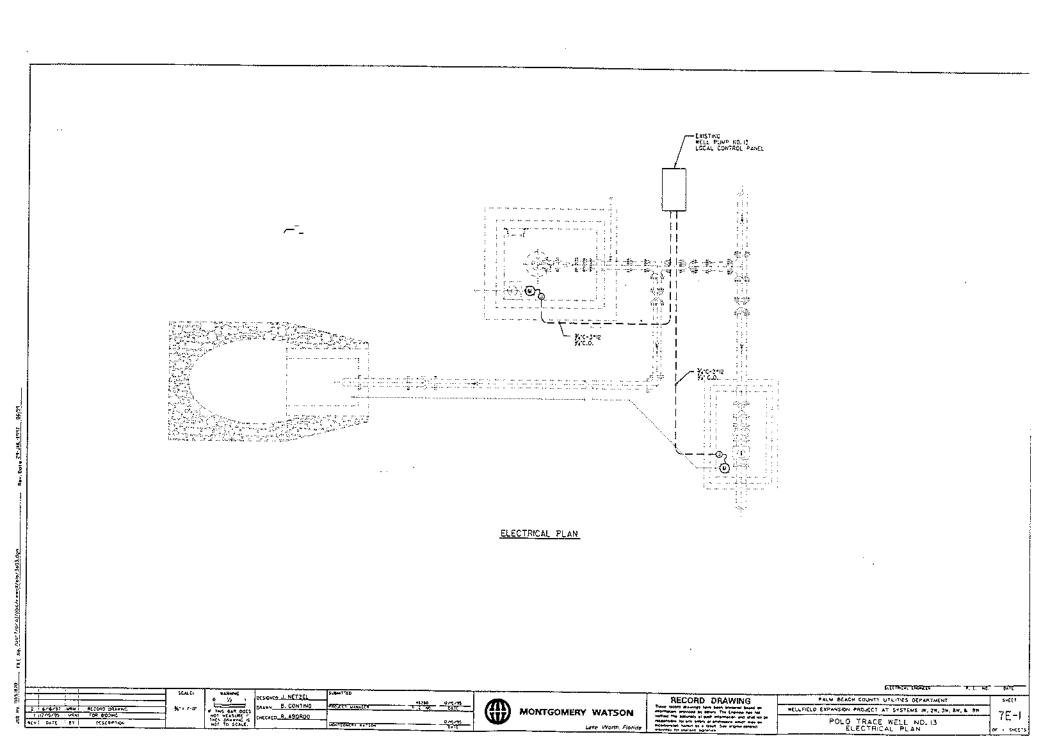




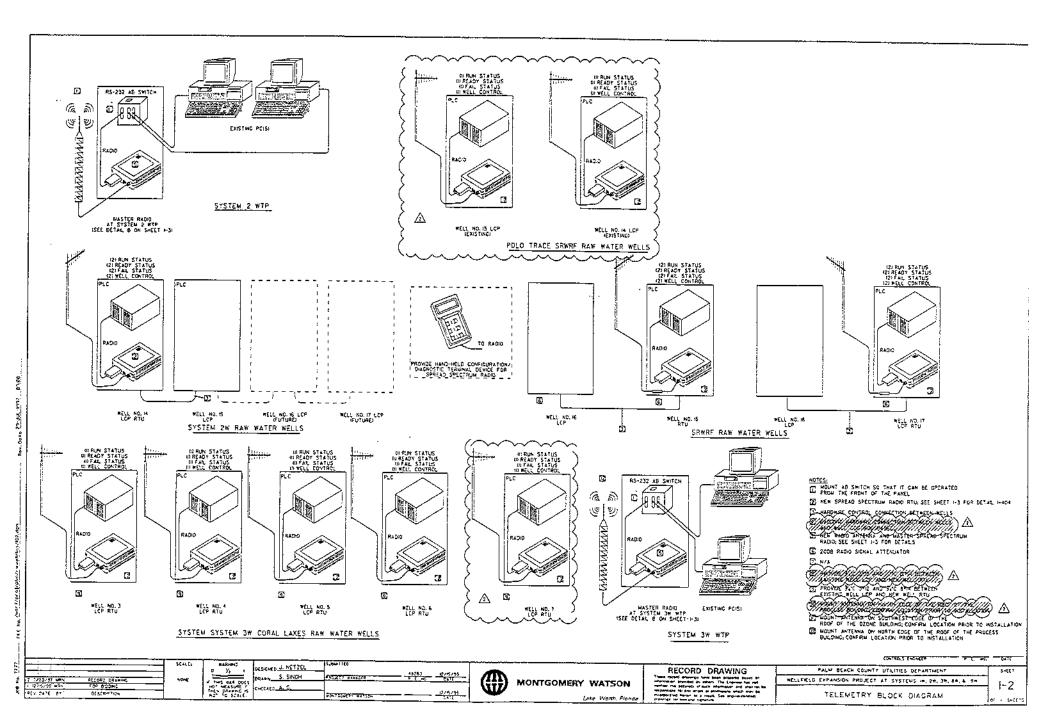
GROWER,	CONCERNING OF THE OWNER	1.1	ю.	-6476-

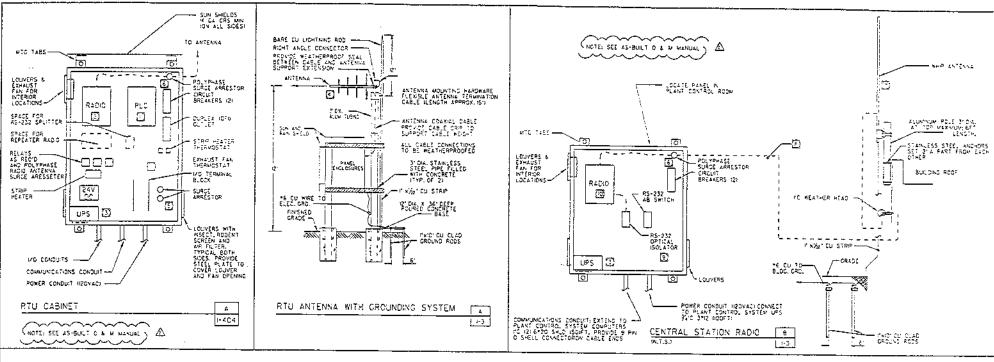
RECORD DRAWING	PACH BEACH COUNTY UTUTIES DEPARTMENT	SHEET
These receipt opportings have been processed based on information promote by consist. The Engineer has not verticed and because of much originations and balance by	WELLFIELD EXPANSION PROJECT AT SYSTEMS IN. 28. 38. 68. 4 SH	6F-3
responsed for any proof or any many any and the second statement	SOUTHERN REGIONAL WRF WELLFIELD PLANS - 1	
d'annul in second agrants,	HELEFIELD FLARS - II	OF + SHEET

.



GENERAL IN	SIRUMENT	OR FUNC	TION SYMB		<u> </u>	IDENTIFICATI	ON LETTERS			AB	BREVIATIONS														
	PRIMARY LDCATION	Freed House	AUTUARY LDCATION AORHALLY ACCELSELE TO CPERATOR	LDCATION	AUTUARY LDCATION	LDCATION	LDCATION	AUTUMRY LDCATION	LDCATION	L DOLTION	LDCATION	AUTUMRY LDCATION	HORMALLY HACCESSBUT OR DEMOND THE MANEL DEVICES OR FONDTIONS	E FRST-LETTER			UCCLEDNE-LETTERS				·····		· _ · · · _ · _ · _ · _ ·		
	LDCATION NOPULALLY ACCISSING YO OPERATOR	POUNT	ACCESSE C 10	PANEL DEVICES	WEASURED OR POTIOTION SARUBLE	MODITER	READOU OR	OUTPUT FUNCTION	4007 54	-															
		~			A JANALY 525		1 d. dfm			-															
DISCRETE NSTRUMENTS	$ \Theta $	()	$ \Theta $	Θ	A BURNER, COMBUSTION	······		TEMTHOL	10.9250																
			· · · · · · · · · · · · · · · · · · ·	<u> </u>		Terresections	SENSCH IPFMERT					i													
SHARED CONTROL		\mathbf{n}		Θ	1112.00 1012	Batt Kestion	(LENSATI	· · · · · ·																	
	ا مر ا	<u> </u>			[]		1 5.455. 1 46-455.	;		•		İ													
COMPUTER FUNCTION		\cap		\frown	I JOHNEST CELECTRONICS		2 PO (A 1		14.5	1															
FONDERIN		\smile		\ominus	1 POWER	SCAL				-															
PROCRAMMER: F					<u>i_!</u>	CHANGE		ISCHIPC, STATION	1	1		İ													
PROCRAMMERLE LOSIC CONTROL		\square	Θ	Ø	N WOTOR	#\$#[>118*	1.064		1.07																
	· AUTO/MANUAL	0.4			N 70900E		<u> </u>		MICOLE.	-															
130	- DEVISTICA - MANOZOFFZAUTO	050	 OPENZELOSEZALI? DPENZSTOPZELOS RAISÉZEONER 	ep.	P TARESSUME PACENO		IORFICE PESTRETION PONT CTESTS CONVECTION		10411																
Lein	- LONINGCOUNTRON	4 4 SL	- RAISE/STOP/SOM	R		HILGHANE, TOTAL		+ <u>-</u> -				ł													
LOS	. LODGOUT STOP	52;	- SHUTODIN - SELECT - STARIVSTOP		S SPIEL PRESENCE	Sarr?s	TRECOPE > STORE	59.12																	
L/R	· LOCA, /AEw370	275	- STARI/STOP		S SUPER THE SECOND		Ha FUNCTION	TAXNSW! MALFUNCTION	MAL PUNCTION	-															
	LE INSTRUMENT OR	STALE COMPON	En I		MECHANDIAL ANALTSIS			VALYE, DAMPER.																	
	NO MALEPUL FUSIO	1015			I FALLING ON TREAM	x 415	W _L_		_																
e 1					Y EVENT OR STATUS	T ARIS	Į	COMPUTE CONVERT. RC		1															
	ONVERTING FUNCTION	4160 WITH COM	PUTING				ť	CONTACT LEVENT	·]															
CONVERT X	L - AMALOC 5 - BMARY 0 - DAGIZAL	F CURRCA! S JAL PUR G - EUCCIRC	SE ULISAETIC, SDALE			INSTRUMEN	IT SYMBOL LEC	<u></u>		•															
	- HYDALLC	R · RESISTAT	CE (ELECT.)		ب	ELECTRONADAETIC FLDANETER	<u> </u>		10A	· · ·															
🖅 s.		AVERAGAS		UCAL AND		0.000 50	, <u> </u>	— ւստել				SAMPLE LOOP	DIAGRAM ISA EXP	PANDED EDRMAT		_									
_					بصدائي استخ	DDPPLER FLOPMETER		,		FELO PROCESS AN	124		INSTRUMENT TEPHINAL CABINE		PANE: FROM CO	255									
					ب مح ز	RANSIT THE FLORMETER	<u>, </u>			TRASSNITTER:				Prin en	CONTROLLER:										
		A STRACK	~ ~	£9:05K	. ~ .	NDATES	(··)	SONT LEVEL SENSCA		MODEL			/ NOTE 4	5.6" No.	4005.	•••									
		≥ m\$n 55.E		UNE	ᢣ᠆᠆ᡝᢩᢀ᠆᠆᠆ᡝ	FLOWWETER	\sim	564504			EVENATION 2 FT		- NOTE 5	146 Y24 Y	5PEC. Ag.	_									
	CT EXTAILCTION [≤ L0+ SELE	21#C			VENTURI LONALITER	₽			e ^e	OCE LOUIS, SE GECOUNT (18)		و معمد ا	101	1										
		D MILECRAL	0 H.C	A TE	2 N 1	CAPICS					· · · ·	<u></u>			· <u> </u>										
ि २१	RIVITIVE	The DELA	Y	1		FLORWETER	5	56184043		L & Fad **			,~¦0+⊇≝+°√~	•ي⊙چر≤ – –إ	LO L										
20 r	LISE TO CUARENT B		FLOR		シ━━ーб┋┣━━━ー┪	PITOT TUBE DA AVERASING PITOT TUBE	\triangle	ANALDS I/S INT			et MOM	THE WE WERE	신나려는 수 쓴	(
	INSTRUMENT			—·	<u> </u>	TUREME OR PROPELLER FLORIDETER	<u>A</u>			//		HQY I				5									
		LINE 3	INDULS			FLORWETCR		DISCRETE IND N		NOTE 3 3-IS PSIC				-چ- r@h	-+^@%/	9									
CONNECTION (OR INSTRUMENT	-						FUTURE ISRWA TO BE SUPPLES INS CONTRACT	L'IONS D'UNDER		∷Vi≌iVr	Terray TO TO ATT	방안 골문 가에 했												
PNELMATIC SYN ELECTRIC SYN		-				SUCCED	OWE PRODUCTING			المعتم المحتم المحتم المحتم المحتم المحتم المحتم المحتم المحتم المحتم المحتم المحتم المحتم المحتم المحتم المحتم	.25 -s. UT		'나라 끝을 누구님'	- <u>-</u>	2										
HTORALLIC STUD		_			,		5 17 60-2				- NOTE 2		÷		PDS-CPD- SU-LD-										
CAPILLARY TU	sç.	_				<u> </u>		WERT THE			NSDUCER			-	STREET INSTREET	ient									
ELEC ROUADA	tic da some sion	A						IMENT TAC 14 AMEA NUMBER PAEFIX	. :	value (*	MCML:				CBFTCZ 42										
IGUGEGI ELECTROMADAE	TIC OR SOME SICK		~ ~	-	INS	<u>trument, tag</u>	NUMBER			PODE:		1		j	AFUT SC	254									
RACE CORES IN RACENCE, LICE	TIC OR SOME SICN E. MEAT, RADIO MAN CI	£5,		1		··· · · -		·						i	- ASYERSE OUTPUT I	5:65									
ISCATAL SYST	EN LINK DATE LINKS				NOTES					L FV-301FULK 00	IN AT 3 PSIC AND FU	ULLY CLOSED AT IS PSIC.													
NECHANGEL LE	45	-	<u> </u>		LADCITIONAL WISTRUME	TATION AND CONTROL S	THEOLS MAY BE USED A	S REQUIRED.		 \$FAND MOUNT PE FE-30: 450:8455 	ER MSTRUMENT STAA KE PIPE DIAMETERS U	CARD ZZZZ NEAR BUT NO PSTREAM AND & PIPT DIAL	T ON THE CONTROL VALVE. VETERS DORNSTREAM OF STRE	NCHT PIPE											
PARIDULIIC BI-		-	******	1	2 SEE ASSOCIATED ELE	CTRICAL AND MECHANICAL	E ISA STANDARC S SA	UC>TIONAL		4. COPPER BUS BAR 5. LIGHTNING AND SI		C FOR GROUND CONNECTIO		- · · · •											
ELECTRC BALL					J. FOR PIPE SZES, MATH	TALANGAS. EANAL, AS WELL AS BETA MI NA A VALUE ANALAS	S OF WETER COUPLING	AND OTHER		6. 250 OHUS, 12 TO:		RESISTOR													
THE FOLLOWING A	BRASMIATIONS ARE Defr Supply, Inc. Def flug Supply	USED TO DEN:	ATE USED		LAGITIONAL WGTRUME STUBOLS AND NONNE 2 SEE ASSIGNTED LLE STUBOLS AND ABBRE 3 FOR PAR \$255, WAT MECHANCAL COLMAND SEE MECHANCAL CAA	NINGS AND SPECIFICATION	is is									_									
TO CEFWE & P.A	CE FLUXD SUPPLY				4. POWER SUPPLIES FOR INSTRUMENTATION LAN YOU TACE AND CLAREN	LOOPS AND STSTENS S	HALL BE FRANSHED BY HE PARTICULAR CHARACT	THE ERISTICS IN A																	
45 - 468 SUPP 14 - 1457RJUE P4 - PL45 - 410 E5 - 6:6018:0 G5 - 645 SUPP	d and	HS - HYDRAL NS - NTRES 55 - STEAU	210 SUPPLY IN SUPPLY		VOLTACE AND CLAREN 5. LIGHT SOLID LINE	T REQUIREMENTSION CO	PONENTS IN EACH LOOP	OR SYSTEM																	
ES E ECTRO GS CAS COM	SUPPLY	S . PATER	SUPPLY		5. LIGHT SOLID LINE OTHER THAN INSTRU	MENT SUPPLIES.		N WEFLIED BY																	
THE PREUMATIC SI	CHAL STUBOLS API	NES TO A SI	CHAL AND	1	6. DASHED LINE HISTRUM 7. HEAVY SOLID LINE INS						-														
NOT A SUPPLY SO WEDGUU DIWER IN ABEREVIATION DN	CHEL STUBOLS API RUPCE WHEN USNE AN ARE THE CAS IS THE SIGNAL LINE,	ANT CAS IS	4 5'5NAL 44	l			HER IS BE SUPPLIED BY	THE CONTRACT.																	
		r												CONTROLS FROMETOR		-									
			SC.4', E: 0	MARMING , 361	SIGNED_U. NETZEL	u **(¢	41340		i		RECORD	DRAWING	PALM B	EACH EQUNTY UTWINES DEPAR		÷									
SZAR MAN ALCO	RC DELENC				S. SINGH DE	AC GENELLE			MONTCOM	ERY WATSON	Share record origination in	 Anne press, prépringe based an or compte The Express help net of soch présimption and alteration à l'anch présimption antices many par a relevant base despinar constant; altraines 	RELEFIELD EXPANS	IN PROJECT AT STATENS IN		-									
5795 WAN	104 6429-45			T WERSLAC T OPARING IS TO SCALL	CKED A. S.																				





A<u>NOTES</u>

DE PLO SHALL BE MODICON MODEL 984-HS NITH MODBUS PLUS PORT AND MODBUS PORT

SIGNAL RECEPTION INTERMODILATION SHALL BE TOOB MINUUM DESENSITIZATION SHALL BE GOOD MINUUM ON 25 KHZ CHANYELS, SPURIOUS AND MAGE REJECTION SHALL BE GREATER THAN BE DS.

THE LINET SHALL HULLIDE IBM COMPATIBLE SYSTEM DURINGSTIC SOFTWARE AND USET COMPADIATION TO THE UNITS OF AND USET COMPADIATION TO THE UNITS OF AND THE UNITS RE-222 PORT INTIATED THROUGH THE UNITS RE-222 PORT

THE TRANSPORT FULLY COMPLY WITH ALL APPLICABLE FUL STANDARDS AND FIC BUTES AND REGULTIONS, I SAAL BY TO PART ALL OF CONTENT FOR THE APPLICATION POPER GUTPUT SHALL BE THAT

THE RADIO SMALL SE THE WOS 93/05 SPREAD SPECTRUM RADIO TRANSCEIVER BY MICROWAVE DATA SYSTEMS ND EDUAL

CENERAL NOTE: SEE AS-BUILT O & W MANUAL)

🖸 UPS POWER SUPPLY.

- A THE ANTENNA SHALL BE A 908 CAIN DIRECTIONAL THE ANTENNA IT SHALL BE RAIED FOR ISC MPH WHOS, THE SPRIED SPECTUM RADOW ANTENNA SHALL BE THE DR-498 BY DECISEL PRODUCTS OR EQUAL
- DEVICE SURGE ARRESTORS: SEE SPECIFICATIONS.
- A LIGHTNING SLIPPRISSOR SHALL BE FURNISHED FOR THE ANTIENAL COAKAL FEED LINE. IT SHALL BE RAITED FOR THE OPERATION POWER AND INFOLUENCY. THE LIGHTNING SUPPRESSOR SHALL BE POLYPHASER CORP. 15-50 SENGS OR ECOLA.
- THE ANTENNA SHALL BE A 605 CAIN CANN-DIRECTIONAL WIP ANTENNA IT SHALL BE RATED FOR 100 MPH ANDS. THE ANTENNA SHALL BE THE CO-SED BY DECIBEL PRODUCTS OR EQUAL.
- THE TRANSWISSION CABLE BETWEEN THE ANTENNA AND THE PADD SHALL BE COLNIAL LOW LOSS JACKITED V-FOAN JALLINA ANDERS COMP. THE LOFA OR COLNIL PROVIDE JOGT OF TO AND CABLE AT EACH MASTER RADIO SITE PROVIDE JOGT OF TO AND CABLE AT EACH MASTER RADIO SITE
- THE OFTICAL ISOLATOR SHALL BREAK ALL CALVANIC CONNECTIONS IN THE RS-232 LODP.
- E RADID AT CENTRAL STATION RADID SHALL BE MDS MODEL SBIDM

CENERAL NOTES:

L ALL CABINETS SMALL SE FABRICATED STAINLESS STEEL OF WELDED CONSTRUCTION, REITHERPROF NEWA 39 AS SHOTH, NEW RECORDERS CORSTRUCTION AND WATERIALS SHALL COMPORE TO THE REDUREMENTS OF SPECIFICATIONS.

2. THE DABINETS SHALL BE SZED SPECIFIED TO MOLD REDUARD EQUIPMENT, WOLDDWD FULLARE EDUPMENT, THE FRONT AND REAR COORS, IF FROUNDED SHALL BE PROVIDED WITH SCREW AND PADLOCK HASH,

THEATERS OR VENTILATION SHALL BE PROVOCD AS REDURED TO ASSURE DERATION UNDER FUELD CONDITIONS FOR ELLOWMENT DESIGNED FOR CONTLUCING OFTERIENT IN AN ADDRESS REPRETATURE OF 20 DECRESS & TO 60 DECRESS C AND WIN A RELATIVE UNDER FUELD ST 05 DECRESS C AND WIN A RELATIVE UNDER FUELD ST 05 DECRESS CONCLUSIVE UNDER STRESS THE COUNDERS SHALL BUT BELT POWER SUPPLIES FROM & CONVERCENT SHALL BUT BELT POWER SUPPLIES FROM & CONVERCENT SHALL SURFECT FROM 405 TO 100 VOIS OF ALE REAL CARCES SHALL SEEDUNERS FILL BECTION IOLIVERED DECRESS WIN A SEEDUNERS FROM & STRESS AND DECRESS WIN A SEEDUNERS FROM & STRESS WIN A SEEDUNERS FROM & CONVERTOR DECRESS WIN A SEEDUNERS FROM STRESS FROM A CONVERTS OF ALL SUBS OF THE CADACT.

4.EECH TRO-WAY COMMAND SHALL CONSIST OF TWO STATUS OUTPUTS IN THE FORM OF INTERCOING RELAY COMPACT LOSURES LOSUE CONTACT CLOSURE FOR THE COMMENT OF THE CONTACT CLOSURE FOR COMPACTION AND SHALL BE PRODUCE LOFTLE FOR COMPACT FAILO THE AFFRES AT 28 YOUTS DC OR FOR YOUTS AC.

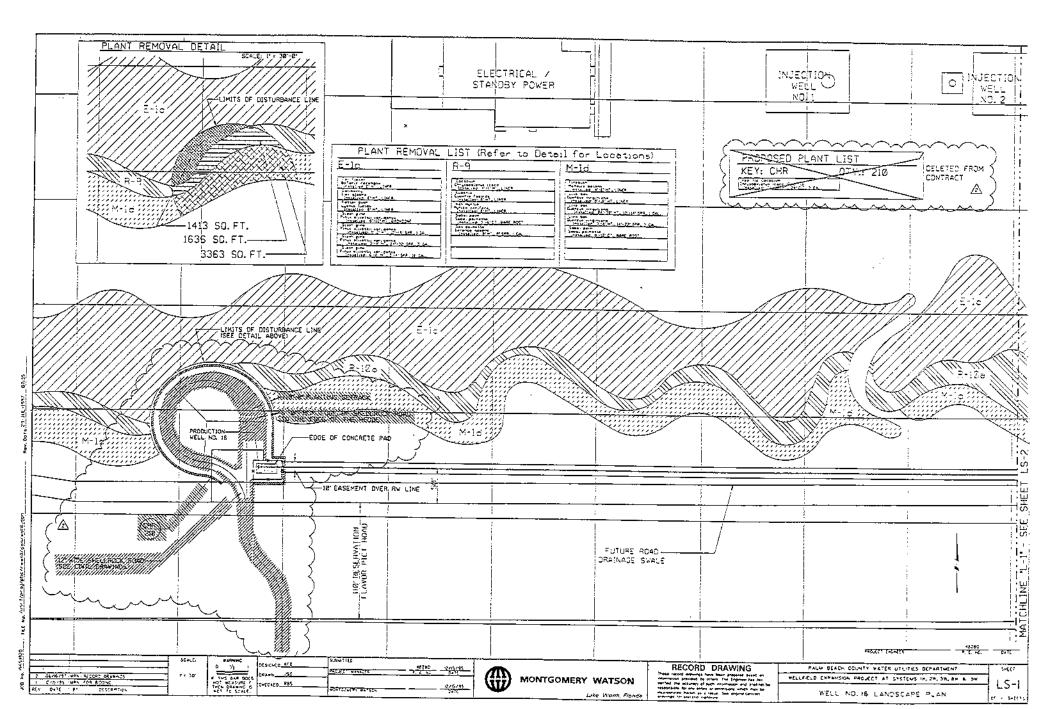
- S. RELAY CONTACT OUTPUTS SHALL BE WRED TO TERMINAL BLODNS WITH NOLDED BARRERS AND SCREW TYPE, TERMINALS, INTERPORT RELAY TOUS SHALL BE "PROVIDE WITH ARC SUPPRESSION ADJOINT TO PROVENT DIALAGE ON STRESS TO SOLD STATE COMPONENTS IN THE RTU, INTERPOSE RELAY CONTACTS SHALL BE PROVIDED WITH ARC SUPPRESSION ADDEDATE TO PREVENT ARCHO ON OTHER DIALAGE TO THE CONTACTS OF THE RECHONDER TO THE VALUE TO BE USED. RELAYS STALL WARKE A WINNING IN CONTROL FOR THE VALUE TO BE USED. AT RATED LOCALL RELAYS SHALL BE PROVIDED WITH DUST COVERS. AT RATED LOCALL RELAYS SHALL BE PROVIDED WITH DUST COVERS.
- 6. ALL CASINETS SHALL BE PROVIDED WITH CORRESION INHIBITORS ZERUST MODEL VC-6-2.

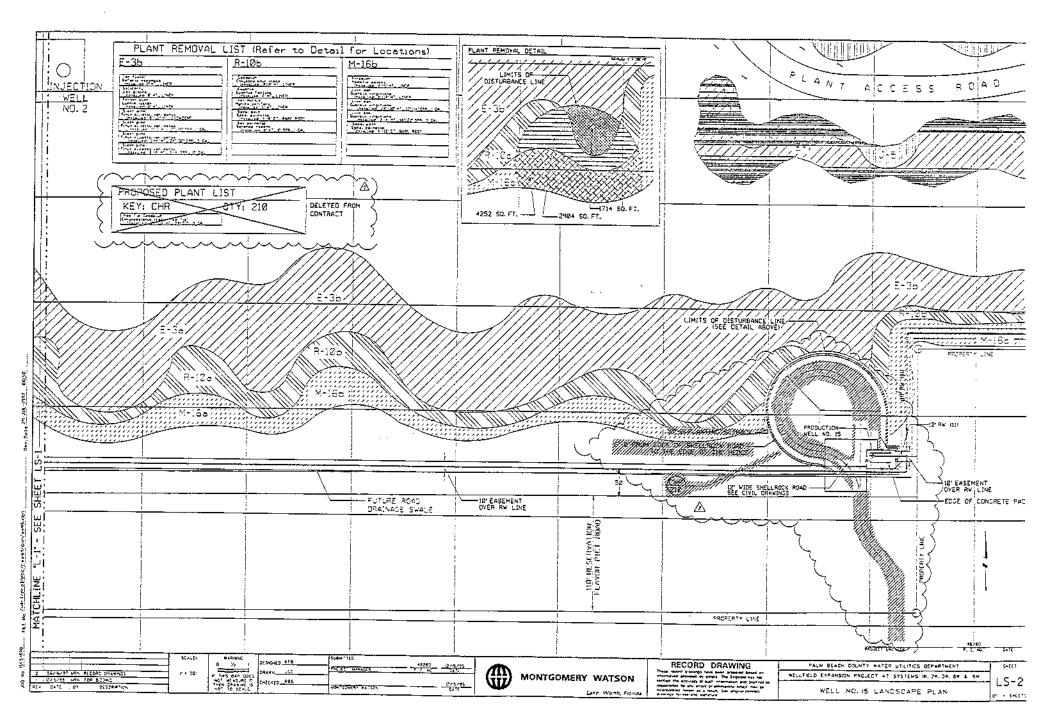
 USCELLANEOUS COMPANENTS: ALL CONVECTORS, TERMINATORS, CARLE SPLITTERS, CARLE TARS, AND ADAPTERS AEGURED TO ALLOW SUCCESSFUL ATU DERATION AS DEFAILD IN THE CONTRACT SPECIFICATIONS SHALL BE PROVIDED BY THE LONTRACTOR,

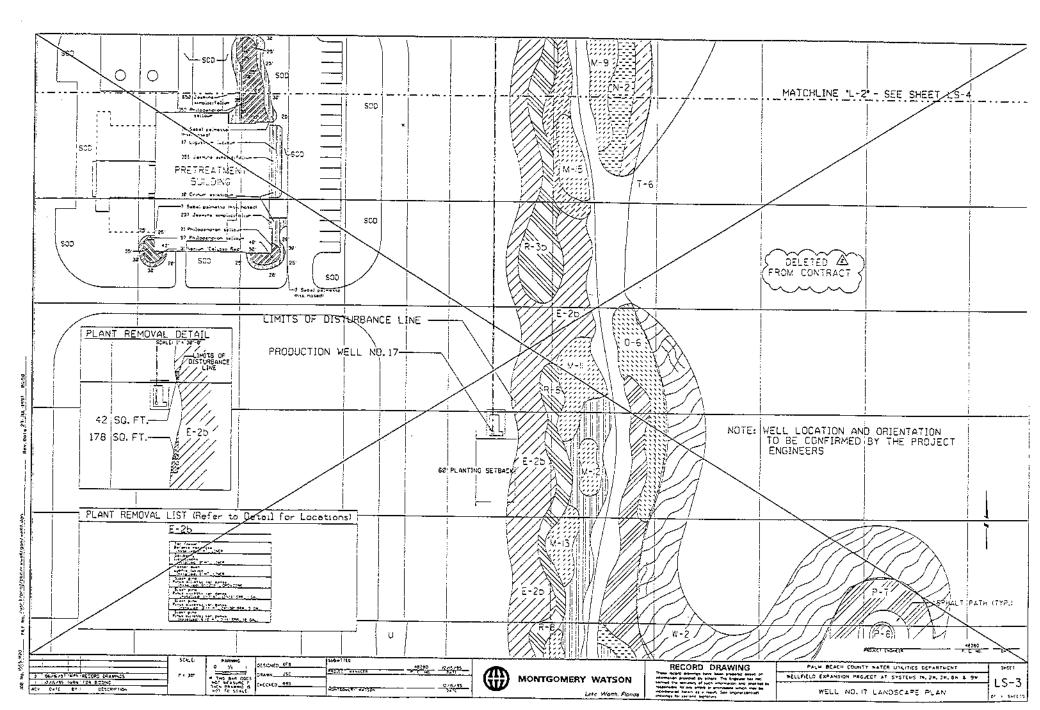
8. POWER FAIL ALARM: PROVIDE RELAY ACROSS 120V UTILITY POWER TO PROVIDE POWER FAILURE CONTACT.

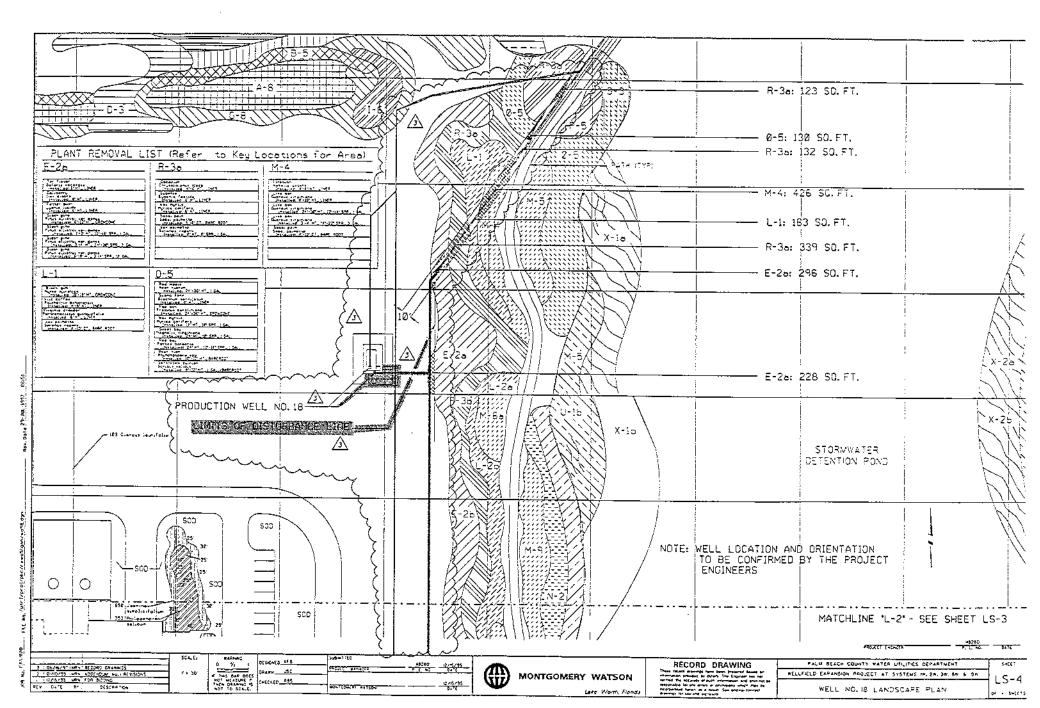
9. ALL CABINETS SHALL BE SIZED BY VENDOR



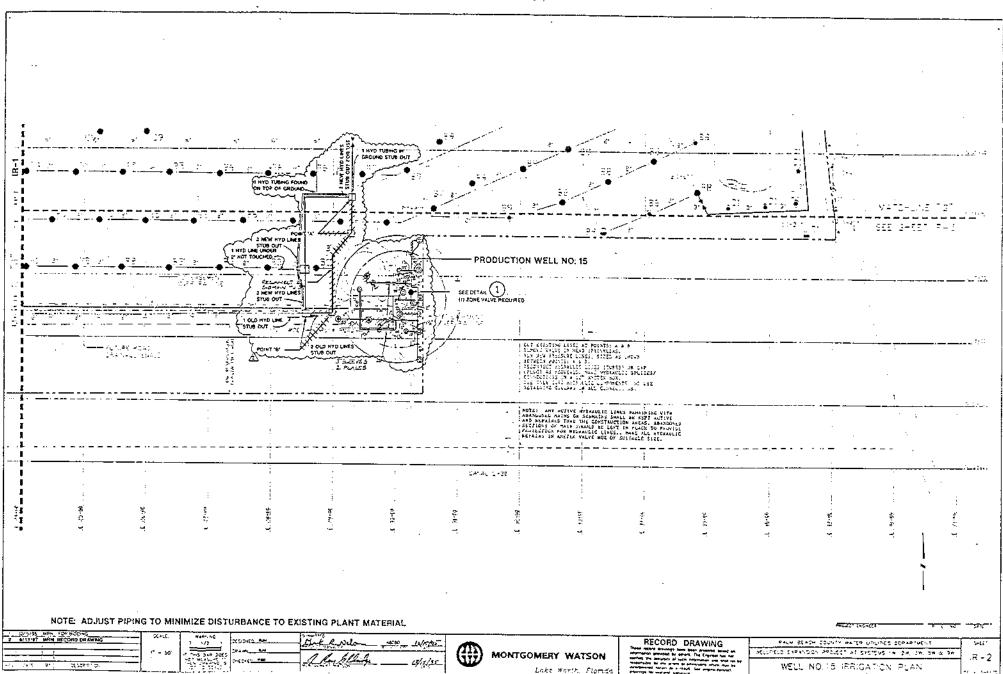








· · · · · ·		·	· · · ·	····· · · · · · · · · · · · · · · · ·	··
					· ·
	6-			<u>G4 2' 2' 52</u>	62 <u>- 62</u> <u>- 62</u> <u>- 62</u> <u>- 62</u>
		6' <u>53</u> 6' <u>53</u> 2' <u>53</u> 2' <u>53</u> 2' <u>53</u> 6' <u>53</u> 1' <u>5</u> '			
					6) 0 5 5 7 57 57 57 57 57 57 57 57 57 57 57 57
		<u>عم بو چم بو ۳۵ بو ۲۵ بو</u>	AB	2* 2* - 7 2 <u>- 1:2</u> *	<u>212 pr</u> <u>410 pr</u> 34 <u>34 p</u> .
11111111111111111111111111111111111111	37 A6 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 11-2 <td>A7 p. A7 p. A9 2. A9 2. -SEE DETAIL (1) -SEE DETAIL (1)</td> <td></td> <td>2² 44 2¹ 452</td> <td><u>2' 45 er 3; e 31 e</u></td>	A7 p. A7 p. A9 2. A9 2. -SEE DETAIL (1) -SEE DETAIL (1)		2 ² 44 2 ¹ 452	<u>2' 45 er 3; e 31 e</u>
			KII CIE	3- 	
		PRODUC WELL N WELL N	FUTURE AST) / FUTURE SPACE District Space CTION / HO. 16		
		CUT EXISTING (INTS AT DURATS) AND BEADOR MALL IN HAD SPENDLESS BEADOR MALL INTS AT DURATS BEADOR MALL INTS AT DURATS BEADOR MUTATION AND AND AND AND RECENTLY WITH AND AND AND AND AND CONNECTIONS IN A 12" ANTTER BOX. USE OUT TOGATIONALL COMPANY STATUTES STARTS AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND AND	A AP USE	OMALLS CASES HEALERING WITH DEMAILS SHALL BE GITH ACTIVE CONSTITUTION AREAL ADARDADO ULD BE LITT IN FLACE TO PROVISE ULD BE LITT IN FLACE TO PROVISE ULTE LINES. ANA FALL PREMUNIC UTE LINES. ANA FALL PREMUNIC	
		Canal 2-30	1	L. 20.10	
NOTE: ADJUST PIPING TO MI	INIMIZE DISTURBANCE TO EXISTING PLANT MA	TERIAL	1 . • 1		
2 - 517-97 LART 100 5-52 - 5 2 - 517-97 LART RECORD DEAMAGE 	0 1/2) DESCRED MAY SUB-THES PARALES		ERY WATSON	The black property based on The CLARK STATE	ACH COUNTY WATER UTLITIES DEPARTMENT

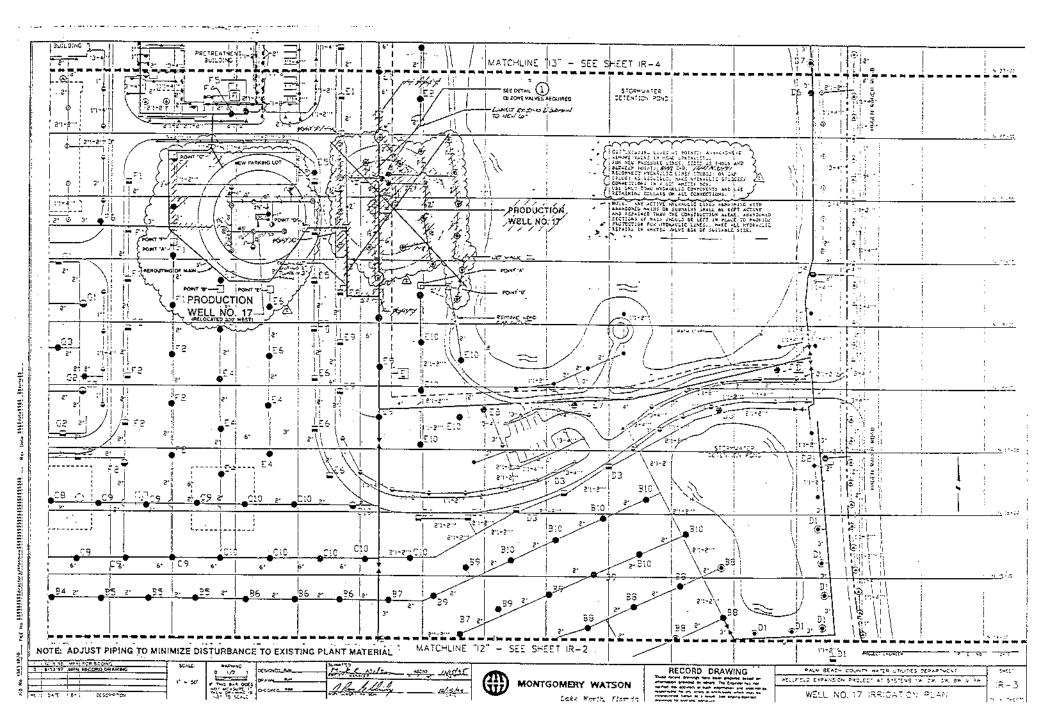


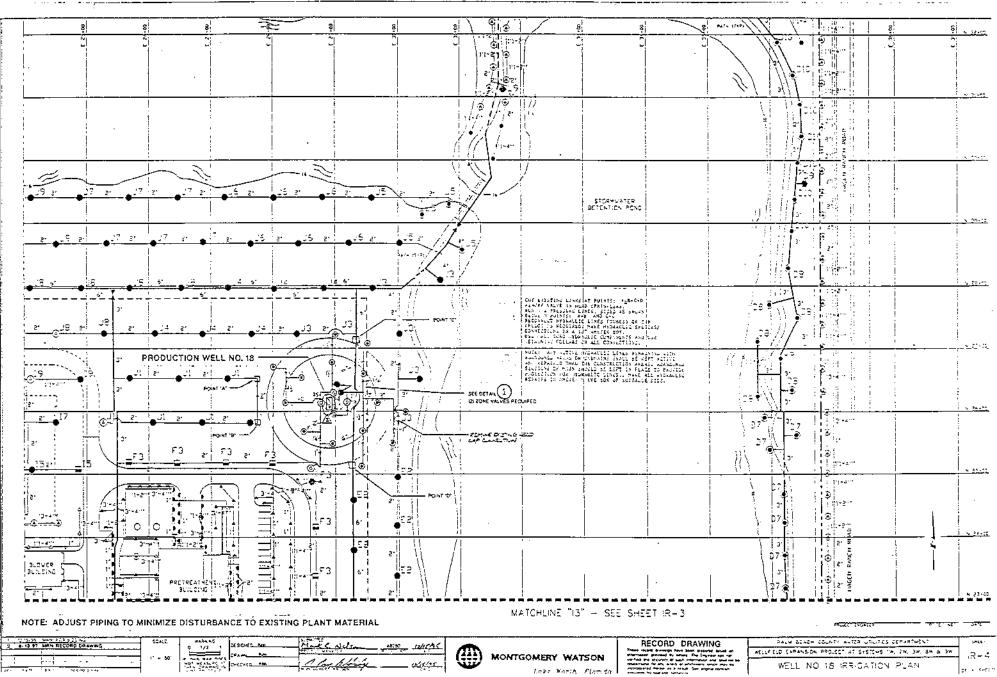
Lake Worth, Florida

115251153553

з, 1415

- -





1

÷

\$\$11001411

101

ł

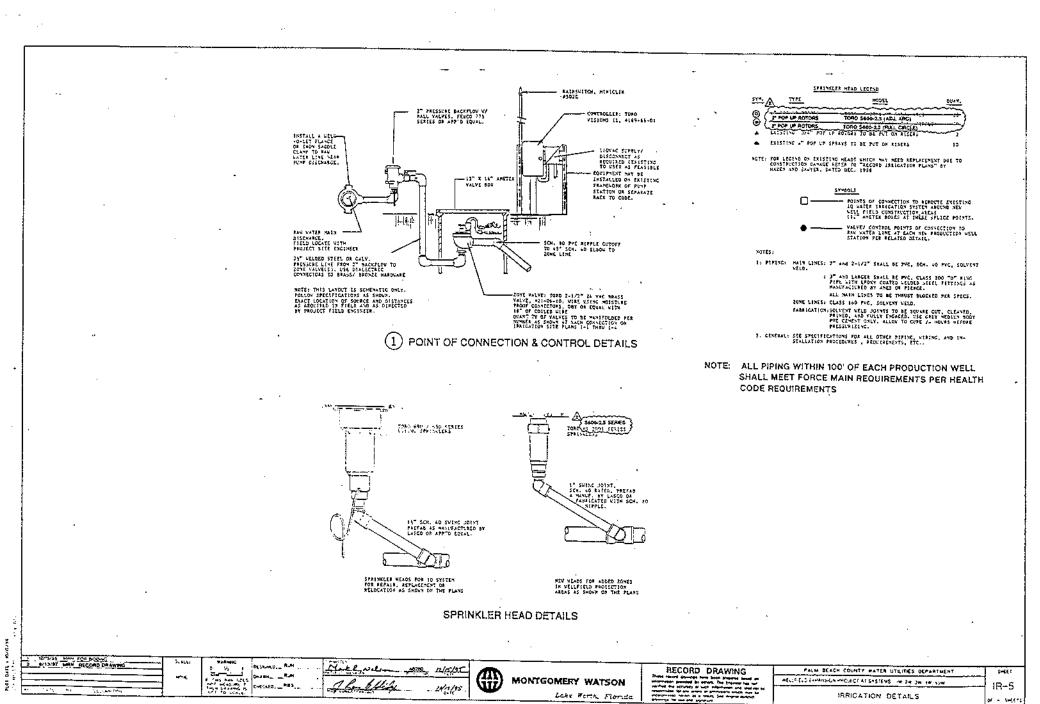
Sitistation state

ł,

131131113

2

ž



MEMORANDUM



MONTGOMERY WATSON

То:	Mark Abbott	Date:	September 2, 1998
From:	Robert T. Verrastro	Reference:	
Copy:	Charles Reynolds		
Subject:	Field Testing of the PBCWUD Supply Wells	at the SRWRF	and Polo Trace

Last Friday (August 28, 1998), Charles and I performed some brief testing of the new supply wells at the SRWRF and Polo Trace, in an effort to assess the ongoing source of sand into the raw water pipeline feeding Plant 3 membrane softening plant. The testing included measurement of pumping water levels, flow rates and sand content, as measured with an Imhoff cone. During our visit, we learned that Polo Trace Wells #13 and #14 were feeding Plant 3, along with SRWRF Wells #15 and #16. The other wells at the SRWRF (Wells #17 and #18) were supplementing the reuse system there.

Here's what we found during our testing, along with some comments as to the original behavior of the wells:

Polo Trace Well #13

The well was found operating at a rate of 1,100 gpm. There was no sand observed in the Imhoff cone during pumpage at this rate. We did not alter the pumping rate of this well during our visit. Water-level data was not available, due to an obstruction in the annular space.

Polo Trace Well #14

The well was found pumping at a rate of 1,150 gpm. There was no sand observed in the Imhoff cone during pumpage at this rate. We did not alter the pumping rate of this well during our visit. The pumping water level was found to be approximately 21 feet bls. This pumping water level was is significantly less than that observed during July 1996, when the new 10-inch diameter pump was installed in the well. At that time, the well exhibited a pumping water level of 38 feet bls while pumped at a rate of 1,000 gpm.

SRWRF #15

This well was found pumping at a rate of 600 gpm with no sand observed in the Imhoff cone. The pumping water level was approximately 26 feet bls. We increased the pumping rate to 800 gpm and measured the water level at 34 feet bls. There was a small

quantity of very fine-grained sand (perhaps 5 ppm) observed in the Imhoff cone during pumpage at that rate for 10 minutes. The drawdown induced in this well appears to have decreased somewhat over the past year, which indicates that development is ongoing. Originally, the well exhibited a pumping water level of 37 feet bls during pumpage at 700 gpm. You may remember that this is the well we had to acidize to increase yield.

SRWRF #16

This well was found operating at a rate of 800 gpm with no sand observed in the Imhoff cone. The pumping water level was 17 feet bls, which was nearly identical to that when the well was first installed. We adjusted the pumping rate to 1,000 gpm and observed a small quantity of sand (perhaps 5 ppm) after 10 minutes of pumping at that rate. We then adjusted the flow rate to 1,200 gpm and observed more sand (perhaps 20 ppm) at that rate. The pumping water level at 1,200 gpm was approximately 20 feet bls, which was about the same as during December 1996. We then adjusted the rate to 1,400 gpm and observed more sand (perhaps 40 ppm) after pumping for approximately 1 hour.

SRWRF #17

This well was not operating when we visited it. Mr. David Dalton turned the well on for us, and it was found to be operating at a rate of 1,075 gpm. The pumping water was found to be 23 feet bls, which is close to that observed when the well was first installed. There was some sand (about 20 ppm) observed 5 minutes after startup. Within 15 minutes, the sand content appeared to decrease to approximately 10 ppm. Mr. Dalton indicated that it took about 1 hour for sand content to decrease to acceptable limits at this well.

SRWRF #18

This well was not operating when we visited it. We turned the well on, and it was found to be operating at a rate of 1,000 gpm. The pumping water level at this rate was approximately 28.5 feet bls, which was close to that observed when the well was first installed. The sand content immediately following startup was approximately 30 ppm, but after about an hour, it had declined to approximately 5 ppm.

SUMMARY COMMENTS AND OBSERVATIONS

It appears that many of the original differences in specific capacity and sand content exhibited by the wells at the SRWRF have "evened out" over the last year of operation. All of the wells (including Well #15) are capable of being pumped at rates in excess of 1,000 gpm. However, it also appears that all of the wells now produce appreciable quantities of sand when pumped at rates in excess of 1,000 gpm. Charles and I visited Bob Dobrodziej after collecting the data. During our conversation, Mr. Dobrodziej indicated that there have been over 100 power outages in the system over the past year. If, indeed the wells have been turned off and on that many times over the past year, then perhaps the surging associated with multiple startups has caused some disturbance of the original characteristics of the wells.

3

	PBCWUD SRWRF WELL #17 DIAGNOSTIC TESTING 8-Aug-97									
TIME	PUMPING RATE (GPM)	MINUTES	DEPTH TO WATER (FBTOC)	DRAWDOW (FT)	N SPECIFIC CAPACITY (GPM/FT)	INSTANTANEOUS SAND CONTENT IMHOFF CONE (PPM)	ORIGINAL STEP TEST SPECIFIC CAPACITY (GPM/FT)	ORIGINAL STEP TEST SAND CONTENT (PPM)		
11:25	0	0	11.17	0	NA	NA				
11:27	500	2	15	3.83	130	3,000				
		3	15.2	4	125	200				
		7	15.4	4.23	118	<100				
		10	15.6	4.43	112	trace	64	10		
11:38	1,000	1	20.64	9.47	105	<100				
		2	21.9	10.73	93	500				
~		7	22.35	11.18	89	900				
		10	22,62	11.45	87	500				
		20	22.9	11.73	85	300				
		30	23.05	11.88	84	300				
		50	23.3	12.13	82	. <100				
		110	22.6	11.43	87	trace	61	33		
13:30	1,500	2	29.4	18.23	82	1,400				
		6	29.6	18.4	81	1,100				
		10	NA	NA	NA	700				
		30	30.15	18.9	79	500				
		40	30.15	18.9	79	200				
		50	30.2	19.03	79	100				
		60	30.22	19	79	<100				
14:50	1,500	80	30.35	19.18	78	trace	58	7		

John A 1

She 1