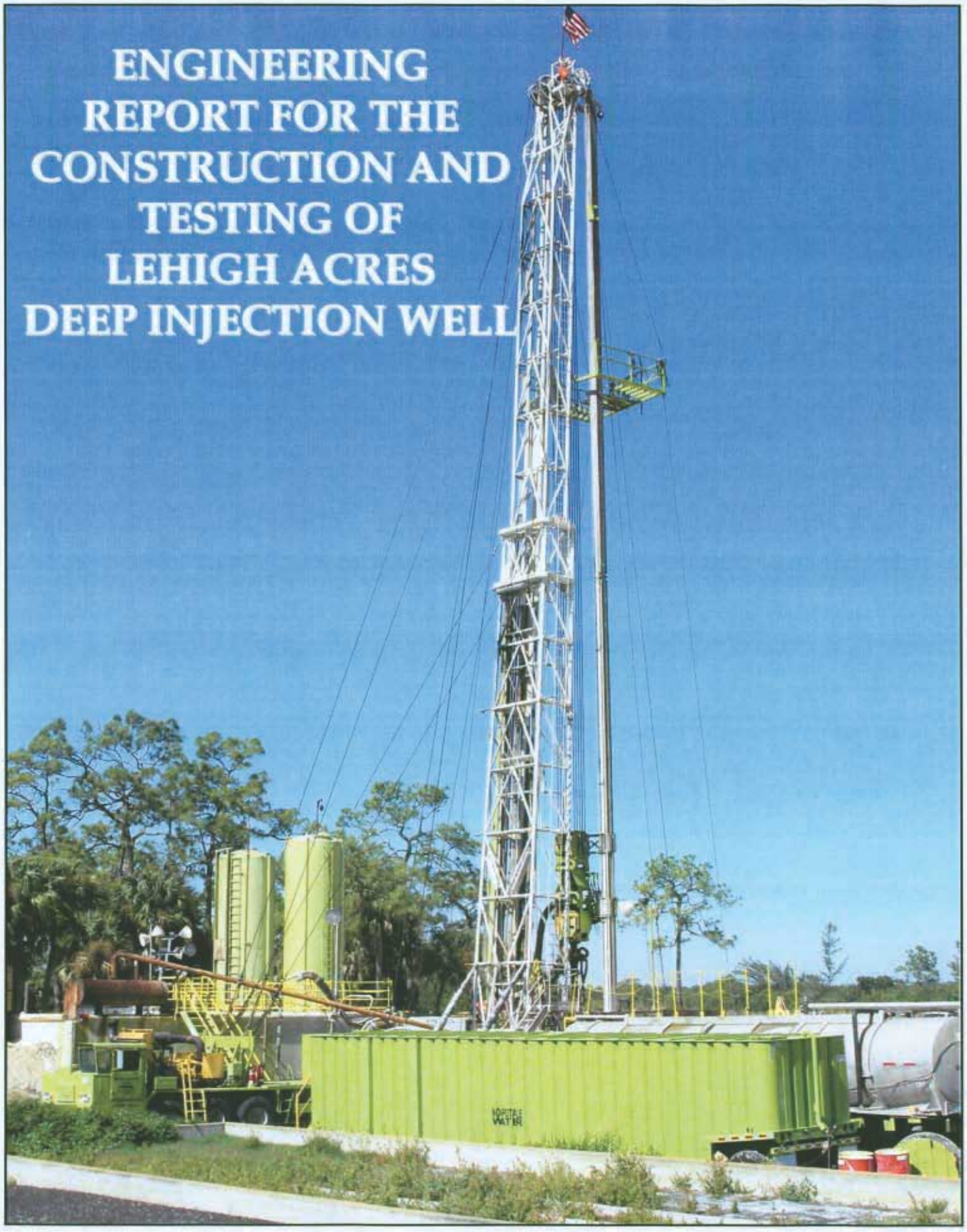
ENGINEERING REPORT FOR THE CONSTRUCTION AND TESTING OF LEHIGH ACRES DEEP INJECTION WELL



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CLASS I INJECTION WELL

TEST WELL CONSTRUCTION PERMIT

No. 48064-078-UC

Appendix A - N
Volume 2

PREPARED FOR

FLORIDA GOVERNMENT UTILITY AUTHORITY
LEHIGH ACRES, FLORIDA

PREPARED BY

5300 West Cypress Street
Tampa, Fl 33607

JUNE 2008

APPENDIX A

Well Construction Permits

LEE COUNTY
SOUTHWEST FLORIDA

LEE COUNTY
SOUTHWEST FLORIDA

Water Well

PERMIT

PERMIT NUMBER: WEL2007-02205 **ISSUED:** 05/14/07

Owner Name: FLORIDA GOVT UTILITY AUTHORITY **EXPIRES:** 11/14/07

Contractor: TIM YOUNGQUIST

Description: 4" PRIMARY CONSTRUCTION SUPPLY WELL ** WITH CONDITIONS

Job Address: 550 CONSTRUCTION LN

Date of Construction: Well Use: IND Gallons/Minute:

Total Well Depth: Casing Depth: Sacks of Cement:

INSPECTION REQUEST LINE: (239) 336-2138

Notation- All Permits are CALLED IN and/or CANCELED by PERMIT (#) only

SPECIAL CONDITIONS REQUIRED (as summarized):

1. REQUIRED TO PLUG/ABANDON the 4" - PRIMARY CONSTRUCTION SUPPLY WELL , Within 2 to 4 Weeks of the Primary Well Being Completed.

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY, AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

THIS PERMIT IS VOID IF THE FIRST INSPECTION IS NOT MADE WITHIN ONE (1) YEAR FROM THE DATE ISSUED.

THIS CARD MUST BE PLACED ON A BOARD AT EYE LEVEL SO IT CAN BE READ FROM STREET AND BE PROTECTED FROM THE WEATHER.

Lee County Well Completion Report

CONSTRUCTION PERMIT # WEL 2007 - 02205

FGUA	550 CONSTRUCTION LANE	LEHIGH ACRES	FL	33936
Owner	Site Address	City	State	Zip

YBI	5-17-2007	117'	140'	1
Contractor's Signature	Completion Date	Casing Depth	Total Depth	Well #

	1078	2172
Well Driller's Name	Lee County License #	State License #

Strap # 30 | 44 | 27 | 00 | 00000 | 1.0010 (section | township | range | unit | block | lot)

100 GPM VIA AIR DEVELOPING

LOCATION: (Subdivision/Area) WATER PLANT

TYPE OF WORK: Construct (✓) Repair ( ) Abandon ( )

WELL USE: Private Well ( ) Public ( ) Monitor ( ) Test ( )
Irrigation ( ) Fire Well ( ) Other (✓) INDUSTRIAL

METHOD: Rotary with MUD (✓) or Air ( ) Cable Tool ( ) Jet ( )
Casing Driven ( ) Other ( ) _____

STATIC WATER LEVEL 20 Ft. below top of casing

PUMPING WATER LEVEL _____ Ft. after _____ Hrs at _____ GPM

PUMP SIZE _____ H.P. CAPACITY _____ GPM

PUMP TYPE _____ IN TAKE DEPTH _____

CASING: Black Steel ( ) Galv. ( ) PVC (✓) Fiberglass ( )

GROUT TYPE: Portland 47# ( ) 94# (✓) % Additives 5 %
Crumbles ( ) EZ Seal ( ) Other ( ) _____

SCREEN: Type _____ Slot Size _____
Screened from _____ (ft) to _____ (ft)

WATER: Clear ( ) Cloudy ( ) Iron ( ) Tannin ( ) Sulfur ( )
Sandy ( ) Other ( ) _____

Conductivity _____ Chlorides _____ mg/L

Grout	Casing & Screen		Depth (ft)		DRILL CUTTINGS LOG Examine cuttings every 20 ft or at formation changes Give color, grain size & type of material Note cavities, depth to producing zone.
Thickness & Depth	Diameter	& Depth	From	To	
2" &	4"	117'	0	3	SAND
117'			3	9	ROCK
			9	30	MARL & CLAY
			30	45	CLAY
			45	80	SANDSTONE
			80	100	CLAY
			100	110	SANDY CLAY
# of Bags used			110	115	SANDY CLAY & SHELL
21			115	140	TAN ROCK

White copy – Well Permitting
Yellow copy – Well Contractor

D1

Florida Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

SENT VIA ELECTRONIC MAIL:

In the Matter of an
Application for Permit by:

February 26, 2007

Mr. Charles Sweat, Director of Operations
Florida Governmental Utlilties Authority
614 N Wymore Rd
Winter Park, FL 32789
Email: csweat@govmserv.com

Lee County - UIC
File Number: 48064-078-UC
FUGA Lehigh Acres WWTP IW-1
Class 1 Injection Well

NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number 48064-078-UC to construct a Class I Injection Well (IW-1) system, issued pursuant to Section(s) 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, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000; 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 30 days from the date this Notice is filed with the Clerk of the Department.

Executed in Lee County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Gordon Romeis for

Jon M. Iglehart
Director of District Management

SPECIFIC CONDITIONS:

CERTIFICATE OF SERVICE

The undersigned designated clerk hereby certifies that this PERMIT and all copies were mailed before the close of business on February 26, 2007 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT

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

Julia D. La Mear

Clerk

February 26, 2007
Date

JMI/DR/rcd

Enclosure

Cc Nancy Marsh, EPA (marsh.nancy@epa.gov)
Steve Anderson, SFWMD (sanderso@sfwmd.gov)
Ron Reese, USGS (rsreese@usgs.gov)
Joe Haberfeld, FDEP (joe.haberfeld@dep.state.fl.us)
Tom Farkas, P.G. (TAFarkas@pbsj.com)

Florida Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

Charlie Cr
Govern

Jeff Kottkan
Lt. Govern

Michael W. So
Secretar

PERMIT

PERMITTEE:
Mr. Charles Sweat, Director of Operations
Florida Governmental Utilities Authority
614 N Wymore Rd
Winter Park, FL 32789
Email: csweat@govmserv.com

Lee County - UIC
File Number: 48064-078-UC
Date of Issue: February 23, 2007
Expiration Date: February 22, 2012
Latitude: 26 36' 55" N
Longitude: -81 39' 13" W
FUGA Lehigh Acres WWTP
Class 1 Injection Well (IW-1)

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4, 62-520, 62-528, 62-550, 62-600, and 62-601. 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 one (1) nominal twenty-four (24)" diameter Class I injection well (IW-1), with cemented twenty-four (24)" steel casing to approximately 2,900 feet below land surface (bls) and a total depth of approximately 3,200 feet bls. Injection is into the Oldsmar Formation for the primary means of disposal of non-hazardous, secondary treated domestic effluent which has received high-level disinfection for a maximum disposal of 6.0 million gallons per day (MGD) at a maximum injection rate of 4,166 gpm. Two monitoring wells (LZMW and UZMW) will be completed from approximately 1,500 to 1,550 feet bls and from approximately 1,800 to 1,900 feet bls.

The Application to Construct/Operate/Abandon Class I, III, or V Injection well System, DEP Form 62-528.900(1), was received December 23, 2005, with supporting documents and additional information last received September 6, 2006. The Certificate of Demonstration of Financial Responsibility was approved July 27, 2006. The project is located at the Lehigh Acres WWTP at 500 Construction Lane, Lehigh Acres, Lee County, Florida.

Subject to Specific Conditions 1-13.

1. GENERAL CRITERIA

   a. Any permit noncompliance constitutes a violation of the Safe Drinking Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

   b. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

   c. The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

SPECIFIC CONDITIONS:

d. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures.

e. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation or reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

f. When requested by the Department, the permittee shall furnish, within the time specified, any information needed to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.

g. Signatories and Certification Requirements

(1) All reports and other submittals required to comply with this permit shall be signed by a person authorized under Rules 62-528.340(1) or (2), F.A.C.

(2) In accordance with Rule 62-528.340(4), F.A.C., all reports shall contain the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

h. The permittee shall notify the Department and obtain approval prior to any physical alterations or additions to the injection or monitor well, including removal of the well head.

i. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or injection activity that may result in noncompliance with permit requirements.

j. The permittee shall report any noncompliance that may endanger health or the environment, including:

(1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water; or

(2) 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.

(3) Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

k. No underground injection is allowed that causes or allows movement of fluid into an underground source of drinking water.

SPECIFIC CONDITIONS:

l. The permittee shall retain all records of all monitoring information concerning the nature and composition of injected fluid until five years after completion of any plugging and abandonment procedures specified under Rule 62-528.435, F.A.C. The permittee shall deliver the records to the Department office that issued the permit at the conclusion of the retention period unless the permittee elects to continue retention of the records.

m. If injection is to continue beyond the expiration date of this permit the permittee shall apply for, and obtain an operation permit. If necessary to complete the two-year operational testing period, the permittee shall apply for renewal of the construction permit at least 60 days prior to the expiration date of this permit.

2. SITE REQUIREMENTS

a. A drilling pad shall be provided to collect spillage of contaminants and to support the heaviest load that will be encountered during drilling.

b. The disposal of drilling fluids, cuttings, formation water or waste shall be in a sound environmental manner that avoids violation of surface and ground water quality standards. The disposal method shall be approved by the Department prior to start of construction.

c. Specific drilling pad dimensions and design details shall be provided to and approved by the Department prior to commencing construction (and shortly after selection of drilling contractor).

d. The water table monitoring wells surrounding the injection well and monitor well pads shall be sampled and analyzed prior to drilling the injection and monitor wells and then weekly thereafter. Sampling shall include specific conductance, pH, chloride, temperature and water level.

e. Pursuant to Rule 62-528.455(1)(c)6., F.A.C., a survey indicating the exact location in metes and bounds of all wells authorized by this permit shall be provided prior to issuance of an operating permit.

3. CONSTRUCTION AND TESTING REQUIREMENTS

a. The permittee shall contact the Technical Advisory Committee (TAC) chairman so that he may schedule progress review meetings at appropriate times with the TAC and permittee for the purpose of reviewing the results of tests, geophysical logging, surveys, drilling records and construction problems.

b. All drilling shall be inside a blow out preventer upon penetration of the Floridan Aquifer.

c. Mechanical integrity testing is a two-part demonstration which includes a pressure test to demonstrate that no leaks are present in the casing, tubing or packer and a temperature or noise log and radioactive tracer survey to demonstrate the absence of leaks behind the casing. Verification of pressure gauge calibration must be provided at the scheduled tests.

d. Department approval and Technical Advisory Committee (TAC) review pursuant to F.A.C. Rule 62-528 is required for the following stages of construction:

(1) Intermediate casing seat selection for injection and monitor wells.

(2) Final casing seat selection for injection and monitor wells.

(3) Prior to conducting the short-term injection test.

SPECIFIC CONDITIONS:

(4) Prior to operational (long term) testing with effluent.

(5) The permittee shall submit all necessary supporting documentation/data, with interpretation, to the TAC for review.

e. The cementing program, as required in Section 62-528.410(5), Florida Administrative Code, shall be submitted to the Department and the Technical Advisory Committee for review. Cementing shall not commence prior to approval being granted.

f. All temperature surveys (except for mechanical integrity demonstration) shall be run within 48 hours after cementing.

g. TAC meetings are scheduled on the 1st Tuesday of each month subject to a 5 working day prior notice and timely receipt of critical data by all TAC members. Emergency meetings may be arranged when justified to avoid undue construction delay.

h. The Permittee shall insure that safe internal pressures are maintained during the cementing of all casings.

i. The injection zone and monitoring zones shall be sampled for background water quality prior to commencement of any injection testing. Parameters to be measured are the primary and secondary drinking water standards (except asbestos, dioxin, epichlorhydrin, and acrylamide) and the minimum criteria for municipal effluent.

j. The injection and monitor well(s) at the site shall be abandoned when no longer usable for their intended purpose, or when posing potential threat to the quality of the waters of the State. Within 180 days of well abandonment, the permittee shall submit to the Department and the TAC the proposed plugging method, pursuant to Rule 62-528.435, F.A.C.

k. All salt used in well drilling shall be stored in an environmentally sound manner. Accurate records shall be kept on the amount of salt used.

l. All dual induction, sonic and caliper geophysical logs run on the pilot holes of the injection well and monitor wells shall be submitted with scales of one inch equals one hundred feet (1"=100'), two inches equals one hundred feet (2"=100'), and five inches equals one hundred feet (5"=100')

m. An engineering drawing showing the drill pad construction (including material used) and locations of the injection well, monitor wells, and the water table monitor wells shall be provided for Department approval prior to pad construction and well construction.

4. QUALITY ASSURANCE/QUALITY CONTROL REQUIREMENTS

a. This permit approval is based upon evaluation of the data contained in the application dated December 2005 and the plans and/or specifications submitted in support of the application. Any proposed modifications to this permit shall be submitted in writing to the Underground Injection Control program manager, the TAC for review and clearance prior to implementation. Changes of negligible impact to the environment and staff time will be reviewed by the program manager, cleared when appropriate and incorporated into this permit. Changes or modifications other than those described above will require submission of a completed application and appropriate processing fee as per Rule 62-4.050, F.A.C.

b. A professional engineer registered pursuant to Chapter 471, Florida Statutes shall be retained throughout the construction period to be responsible for the construction operation and to certify the application,

SPECIFIC CONDITIONS:

specifications, completion report and other related documents. The Department shall be notified immediately of any change of engineer.

c. Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.) F.S., applicable portions of permit applications and supporting documents that are submitted to the Department for public record shall be signed and sealed by the professional(s) who approved or prepared them.

d. The Department shall be notified immediately of any problems that may seriously hinder compliance with this permit, construction progress, or good construction practice. The Department may require a detailed written report describing the problem, remedial measures taken to assure compliance and measures taken to prevent recurrence of the problem.

e. Issuance of a Class I Test/Injection well construction and testing permit does not obligate the Department to authorize operation of the injection well system, unless the wells qualify for an operation permit applied for by the permittee and issued by the Department.

5. REPORTING REQUIREMENTS

a. All reports and surveys required by this permit must be submitted concurrently to all the members of the TAC. The TAC consists of representatives from these agencies:

Florida Department of Environmental Protection
South District
P.O. Box 2549
Fort Myers, FL 33902-2549

Florida Department of Environmental Protection
Bureau of Water Facilities Regulation
UIC Program, MS 3530
2600 Blair Stone Rd.
Tallahassee, FL 32399-2400

South Florida Water Management District
P.O. Box 24860
West Palm Beach, FL 33416-4860

United States Geological Survey
9100 NW 36th Street, Suite 107
Miami, FL 33178

b. Members of the TAC shall receive a weekly summary of the daily log kept by the contractor. The reporting period shall run for seven (7) days and reports shall be mailed or emailed within 48 hours of the last day of the reporting period. The report shall include but is not limited to the following:

(1) Description of daily footage drilled by diameter of bit or size of hole opener or reamer being used;

(2) Description of formation and depth encountered; and specific conductance of water samples collected during drilling. Description of work during installation and cementing of casings; include amounts of casing and actual cement used versus calculated volume required.

SPECIFIC CONDITIONS:

(3) Lithological description of drill cuttings collected every ten (10) feet or at every change in formation. Description of work and type of testing accomplished, geophysical logging, pumping tests, deviation survey results, and coring results.

(4) Description of any construction problems that develop and their status to include a description of what is being done or has been done to correct the problem.

(5) Description of the amount of salt used.

(6) Results of any water quality analyses performed as required by this permit, including pad monitor wells.

(7) Copies of the driller's log are to be submitted with the weekly summary.

c. The Department must be notified seventy-two (72) hours prior to all testing for mechanical integrity on the injection well. Testing should begin during daylight hours Monday through Friday.

d. Annotated copies of geophysical logs, lithologic descriptions and logs and water quality data (from drilling and packer tests) must be submitted to TAC, with interpretation, for intermediate and final casing seat selection approvals by the Department.

e. An interpretation of all test results must be submitted with all test data and geophysical logs.

f. After completion of construction and testing, a final report, certified by a P.E. and P.G., shall be submitted to the Department and the TAC. The report shall include, but not be limited to, all information and data collected under Rule 62-528.450(2) and Rule 62-528.450(3), F.A.C., with appropriate interpretations. Mill certificates for the casing(s) shall be included in this report. To the extent possible, the transmissivity of the injection zone and maximum injection rate within safe pressure limits shall be estimated.

6. The construction permit includes a period of temporary injection operation for the purposes of long term testing. Prior to commencement of operational testing:

a. Construction of the injection well shall be complete and the permittee shall submit a notice of completion of construction certified by a P.E. to the Department.

b. Each well shall first be tested for integrity of construction, and shall be followed by a short-term injection test of such duration to allow for the prediction of the operating pressure.

c. The permittee shall submit the following information to each member of the Technical Advisory Committee:

(1) A copy of the borehole television survey(s)

(2) Geophysical logs

(3) Mechanical integrity test data

(4) Data obtained during the short term injection testing conducted pursuant to Rules 62-528.405(3)(a) and 62-528.410(7)(e), and 62-528.450(3)(a)2., F.A.C.

(5) Confining zone data

SPECIFIC CONDITIONS:

(6) Background water quality data for the injection and monitor zones

(7) Waste stream analysis

(8) As-built well construction specifications

(9) Draft operation and maintenance manual with emergency procedures

(10) Other data obtained during well construction needed by the Department to evaluate whether the well will operate in compliance with Department rules.

d. The emergency discharge method shall be fully operational and no emergency discharge shall occur until the permittee has obtained all necessary permits.

e. Any corrective action required under Rule 62-528.300(5)(c)2., F.A.C., has been completed.

f. Written authorization shall be obtained from the Department. Authorization shall be for up to two years or the expiration date of the construction permit, whichever is less, and is nonrenewable. The authorization shall specify the conditions under which operational testing is approved. The authorization shall include:

(1) Injection pressure limitation

(2) Injection flow rate limitation

(3) Monthly specific injectivity testing including pressure fall-off testing

(4) Reporting requirements, and

(5) An expiration date for the operational testing period not to exceed two years.

g. Before authorizing operational testing the Department shall conduct an inspection of the facility to determine if the conditions of the permit have been met.

7. OPERATIONAL TESTING REQUIREMENTS

a. Operational Testing Conditions - Injection Well System

(1) The injection system shall be monitored in accordance with rules 62-528.425(1)(g) and 62-528.430(2), F.A.C.

(2) The effluent from the Lehigh Acres WWTP shall be treated with high level disinfection as prescribed by Rules 62-600.440(5)(a) through (f), F.A.C., in accordance with federal regulations in 40 CFR 146.15 and 146.16 governing Class I municipal injection wells in Florida. The following standards shall be met prior to injection:

a. The effluent total suspended solids (TSS) shall be reduced to 5 mg/L or less before the application of the disinfectant. Grab samples are to be taken after filtration and before disinfection.
b. Seventy five (75) percent of the daily fecal coliform values shall be below the detection limit and any single sample shall not exceed 25 per 100 mL in any month.
c. Other high level disinfection requirements are contained in the **Attachment A**, but are not required to be reported under this permit.

SPECIFIC CONDITIONS:

(3) The following injection well performance data shall be recorded and reported at the frequency indicated from the injection well instrumentation in the Monthly Operating Report as indicated below. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

The permittee shall use continuous indicating and recording devices to monitor injection flow rate and injection pressure. In the case of operational failure of any of these instruments for a period of more than 48 hours, the permittee shall report to the Department in writing the remedial action to be taken and the date when the failure will be corrected.

INJECTION WELL IW-1. The proposed specifications for the injection well is as follows:

Casing Diameter (OD)	*Depth (bls) Cased*	*Open Hole (bls)*
42" Steel	780'	
34" Steel	1900'	
24" Seamless Steel	2900'	
		2900'-3200'

Parameters	*Reporting Frequency*
Injection Pressure (psi)	Daily/Monthly
Maximum Injection Pressure	Daily/Monthly
Minimum Injection Pressure	Daily/Monthly
Average Injection Pressure	Daily/Monthly
Flow Rate (gpm)	Daily/Monthly
Maximum Flow Rate	Daily/Monthly
Minimum Flow Rate	Daily/Monthly
Average Flow Rate	Daily/Monthly
Total Volume WRF Effluent Injected (gallons)	Daily/Monthly

Injectate Water Quality

WRF Effluent Water Quality

Parameters	*Reporting Frequency*
Ammonia (mg/L)	Monthly
Total Kjeldahl Nitrogen (TKN) (mg/L)	Monthly
Nitrate + Nitrite as N (mg/L)	Monthly
Total Suspended Solids (TSS) (mg/L) *	Daily
Maximum TSS (mg/L) *	Monthly
Average TSS (mg/L) *	Monthly
Fecal Coliform (number/100 mL)	Daily
Fecal Coliform (number/100 mL), Percent Below Detection Limit	Monthly
Fecal Coliform (number/100 mL), Maximum	Monthly

*All TSS samples shall be grab samples. The samples are to be taken after filtration and before disinfection.

b. Operational Testing Conditions - Monitor Well System.

(1) The monitor well system will consist of two Monitor Wells as described below:

SPECIFIC CONDITIONS:

Well Number	*Casing Dia. (OD)*	*Depth (bls) Cased/Total*
UZMW-1 (Upper)	16" Steel	1500'/1550'
LZMW-1 (Lower)	6" Steel	1800'/1900'

(2) All monitor wells shall be monitored in accordance with rule 62-528.425 and 62-528.430, F.A.C. The following monitor well performance data shall be recorded and reported at the frequency indicated from the monitor well instrumentation in the Monthly Operating Report as indicated below. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The permittee shall use continuous indicating and recording devices to monitor the monitor zone pressures or water levels. In the case of operational failure of any of these instruments for a period of more than 48 hours, the permittee shall report to the Department in writing the remedial action to be taken and the date when the failure will be corrected.

UZMW and LZMW

Parameters	*Reporting Frequency*
Maximum Water Level/Pressure (Ft NGVD or psi)	Daily/Monthly
Minimum Water Level/Pressure (Ft NGVD or psi)	Daily/Monthly
Average Water Level/Pressure	Monthly

Water Quality

Parameters	*Reporting Frequency*
Specific Conductivity (µmhos/cm)	Weekly
Total Dissolved Solids (mg/L)	Weekly
pH (std. units)	Weekly
Chloride (mg/L)	Weekly
Sulfate (mg/L)	Weekly
Field Temperature (°C)	Weekly
Ammonia (mg/L)	Weekly
Total Kjeldahl Nitrogen (TKN) (mg/L)	Weekly
Sodium (mg/L)	Monthly
Calcium (mg/L)	Monthly
Potassium (mg/L)	Monthly
Magnesium (mg/L)	Monthly
Iron (mg/L)	Monthly
Bicarbonate (mg/L)	Monthly

(3) Water quality data may be reduced to monthly analyses after a minimum six months of data if the conditions of Rule 62-528.450(3)(d), F.A.C., have been met and with Department approval.

c. The permittee shall calibrate all pressure gauge(s), flow meter(s), chart recorder(s), and other related equipment associated with the injection well system on a semi-annual basis. The permittee shall maintain all monitoring equipment and shall ensure that the monitoring equipment is calibrated and in proper operating condition at all times. Laboratory equipment, methods, and quality control will follow EPA guidelines as expressed in Standard Methods for the Examination of Water and Wastewater. The pressure gauge(s), flow meter(s), and chart recorder(s) shall be calibrated using standard engineering methods.

SPECIFIC CONDITIONS:

d. The permittee shall submit monthly to the Department the results of all injection well and monitor well data required by this permit no later than the last day of the month immediately following the month of record. The results shall be sent to the Department of Environmental Protection, P.O. Box 2549, Fort Myers, Florida 33902-2549. A copy of this report shall also be sent to the Department of Environmental Protection, Underground Injection Control Program, MS 3530, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

e. The Engineer of Record or designated qualified representative must be present for the start-up operations and the Department must be notified in writing of the date operational testing commenced for the well.

f. The permit for the Lehigh Acres Domestic Wastewater WWTP shall be modified to allow injection of effluent using high-level disinfection prior to operational testing of this injection well (if not previously modified).

8. ABNORMAL EVENTS

a. In the event the permittee is temporarily unable to comply with any conditions of this permit due to breakdown of equipment, power outages, destruction by hazard of fire, wind, or by other cause, the permittee shall notify the Department. Notification shall be made in person, by telephone or by electronic mail within 24 hours of breakdown or malfunction to the UIC Program staff, South District office.

b. A written report of any noncompliance referenced in 1) above shall be submitted to the South District office within five days after its occurrence. The report shall describe the nature and cause of the breakdown or malfunction, the steps being taken or planned to be taken to correct the problem and prevent its reoccurrence, emergency procedures in use pending correction of the problem, and the time when the facility will again be operating in accordance with permit conditions.

9. EMERGENCY DISPOSAL

a. All applicable federal, state and local permits must be in place to allow for any alternate discharges due to emergency or planned outage conditions.

b. Any changes in emergency disposal methods must be submitted for Technical Advisory Committee (TAC) and USEPA review and Department approval.

c. The permittee shall notify the Department within 24 hours whenever an emergency discharge has occurred (Rule 62-528.415(4)(c)1., F.A.C.). Written notification shall be provided to the Department within 5 days after each occurrence. The Permittee shall indicate the location and duration of the discharge and the volume of fluid discharged.

10. FINANCIAL RESPONSIBILITY

a. The permittee shall maintain the resources necessary to close, plug and abandon the injection and associated monitor wells, at all times (Rule 62-528.435(9), F.A.C.).

b. The permittee shall review annually the plugging and abandonment cost estimates. The permittee shall resubmit the documentation necessary to demonstrate financial responsibility using the revised cost estimates if the revised estimate is greater than 10% above the estimate of $468,600 upon which financial responsibility was approved.

SPECIFIC CONDITIONS:

c. In the event that the mechanism used to demonstrate financial responsibility should become invalid for any reason, the permittee shall notify the Department of Environmental Protection in writing within 14 days of such invalidation. The permittee shall, within 30 days of said notification, submit to the Department for approval, new financial documentation in order to comply with Rule 62-528.435(9), F.A.C., and the conditions of this permit.

11. MECHANICAL INTEGRITY

a. Injection is prohibited until the permittee affirmatively demonstrates that the well has mechanical integrity. Prior to operational testing the permittee shall establish, and thereafter maintain, mechanical integrity of the well at all times.

b. If the Department determines that the injection well lacks mechanical integrity, written notice shall be given to the permittee.

c. Unless the Department requires the immediate cessation of injection, within 48 hours of receiving written notice from the department that the well lacks mechanical integrity the permittee shall cease injection into the well unless the Department allows continued injection pursuant to (d) below.

d. The Department may allow the permittee to continue operation of a well that lacks mechanical integrity if the permittee demonstrates that fluid movement into or between underground sources of drinking water is not occurring.

12. The permittee is reminded of the necessity to comply with the pertinent regulations of any other regulatory agency, as well as any county, municipal, and federal regulations applicable to the project. These regulations may include, but not limited to, those of the Federal Emergency Management Agency in implementing flood control measures. This permit should not be construed to imply compliance with the rules and regulations of other regulatory agencies.

13. The permittee shall be aware of and operate under the general conditions in Rule 62-528.307(1)(a) through (x) and Rule 62-528.307(2)(a) through (f), F.A.C. These general conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.

Note: In the event of an emergency the permittee shall contact the Department by calling (850) 488-1320. During normal business hours, the permittee shall call (239) 332-6975.

Issued this 26th day of February 2007.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Gordon Romeis

Jon M. Iglehart
Director of District Management

JMI/DR/dr

ATTACHMENT A

Undergrouna Injection Control Systems

1. During the period beginning on the issuance date of the facility domestic wastewater permit and lasting through the expiration date of the facility domestic wastewater permit, the permittee is authorized to discharge effluent to Underground Injection Control System Well IW-1 located at FUGA Lehigh Acres WWTP. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with the Specific Conditions contained the in facility domestic wastewater permit.

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	Mgd	Maximum						
BOD, Carbonaceous 5 day, 20C	mg/L	Maximum	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample		Composite as described in the facility domestic waste water permit	As described in the facility domestic waste water permit	
Solids, Total Suspended	mg/L	Maximum	5.0	Single Sample		Grab	Same as Above	
Coliform, Fecal	#/100mL	Maximum	25	Single Sample		Grab	Same as Above	
	Percent	Minimum	75	Percent Less than Detection		Calculated	Same as Above	
pH	s.u.	Minimum Maximum		Single Sample Single Sample		Grab	Same as Above	
Total Residual Chlorine (For Disinfection)	mg/L	Minimum	1.0	Single Sample	Continuous	Grab	Same as Above	

2. Effluent samples shall be taken at the monitoring site locations listed in the facility domestic wastewater permit conditions and as described below:

Monitoring Site Number	Description of Monitoring Site
See Facility permit	As described in the facility wastewater permit
Same as above	Same as above

3. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement unless otherwise noted in the facility domesticv wastewater permit.

4. The facility effluent flow measurement shall be as described in the facility domestic wastewater permit

5. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer).

6. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow as described in the facility domestic wastewater permit

Sec. 146.15 Class I municipal disposal well alternative authorization in certain parts of Florida.

(a) Existing Class I municipal disposal wells in specific geographic regions as defined in paragraph (f) of this section may continue to inject without violating the regulatory prohibitions in Parts 144 and 146 of this chapter against the movement of injection or formation fluids into a USDW, provided that such wells meet the requirements of this section, even if the Director determines they have caused or may cause fluid movement into a USDW. Nothing in this section excuses such Class I municipal disposal wells from meeting all other applicable State and Federal requirements including 40 CFR 144.12(a).

(b) For purposes of this section, an existing Class I municipal disposal well is defined as a well for which a complete UIC construction permit application was received by the Director on or before December 22, 2005.

(c) For purposes of this section, the determination that a Class I municipal disposal well has caused or may cause movement of injection or formation fluids into a USDW may be made by the Director based on any relevant data available to him/her, including ground water monitoring data generated pursuant to regulatory requirements governing operation of Class I municipal disposal wells.

(d) In order for a Class I municipal disposal well to qualify for authorization to inject pursuant to paragraph (a) of this section, the Owner/Operator of that well shall:

(1) Develop and implement a pretreatment program that is no less stringent than the requirements of Chapter 62-625, Florida Administrative Code, or have no significant industrial users as defined in that chapter.

(2) Treat the injectate using secondary treatment in a manner that is no less stringent than the requirements of Florida Rule 62-600.420(1)(d), and using high-level disinfection in a manner that is no less stringent than the requirements of Florida Rule 62-600.440(5)(a)-(f), within five years after notification by the Director that the well has caused or may cause fluid movement into a USDW.

(e) Where the Director issued such notice for a well prior to December 22, 2005, in order for that well to qualify for authorization to inject pursuant to paragraph (a) of this section, the Owner/Operator shall:

(1) Develop and implement a pretreatment program that is no less stringent than the requirements of Chapter 62-625, Florida Administrative Code, or have no significant industrial users as defined in that chapter; and

(2) Treat the injectate using secondary treatment in a manner that is no less stringent than the requirements of Florida Rule 62-600.420(1)(d), and using high-level disinfection in a manner that is no less stringent than the requirements of Florida Rule 62-600.440(5)(a)-(f), within five years after December 22, 2005.

(f) Authorization to inject wastewater into existing Class I municipal disposal wells pursuant to this section is limited to Class I municipal disposal wells in Florida in the following counties: Brevard, Broward, Charlotte, Collier, Flagler, Glades, Hendry, Highlands, Hillsborough, Indian River, Lee,

Manatee, Martin, Miami-Dade, Monroe, Okeechobee, Orange, Osceola, Palm Beach, Pinellas, St. Johns, St. Lucie, Sarasota, and Volusia.

Sec. 146.16 Requirements for new Class I municipal wells in certain parts of Florida.

Prior to commencing injection, any Class I municipal disposal well in one of the counties identified in Sec. 146.15(f) that is not an existing Class I municipal disposal well as defined in Sec. 146.15(b) of this section shall meet all of the requirements for existing wells seeking authorization to inject pursuant to Sec. 146.15.

[FR Doc. 05-23088 Filed 11-21-05; 8:45 am]

APPENDIX B

Weekly TAC Construction Reports

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90
Report No. 1
From: 5/29/2007 – 5/31/2007

TO: David Rhodes (FDEP- FT. Myers),
Joe Haberfeld (FDEP- Tallahassee),
Steve Anderson (SFWMD- West Palm Beach),
Ron Reese (USGS- Miami).

CC: David Huff (FGUA),
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the report for the week of May 29th through May 31st. Construction activities have begun at the site. Four water table monitor wells were constructed earlier this month as a part of the site mobilization. They were installed with a mud rotary drilling rig, to a total depth of 20 ft bls (water table monitors). The water table monitor wells consisted of 10 ft of 2 inch PVC casing and a 10-foot screened (0.01 slot size) interval completed with a sand and gravel pack placed within the annulus. All wells were developed for a minimum of an hour, until the discharge water was clear of all sediment.

On May 29: Youngquist Brothers Inc. (YBI) began drilling the borehole for the Lower Zone Monitor Well (LZMW-1) pit casing with a 34.5 inch bit utilizing mud rotary drilling techniques. Lithology samples were collected every 10 feet for analysis and a borehole depth of 60 feet was achieved. On May 30: borehole drilling continued at LZMW-1 to a depth of 110 ft bls, which YBI selected as the final depth for the pit casing. The borehole was cleaned out by circulating drilling fluids within the hole. On May 31: After all the drilling rods were removed from the borehole of LZMW-1, three sections of 26-inch steel casing were hung, welded together and installed to a depth of 110 feet bls. A total of 84 barrels, or 370 sacks of neat Portland Type II cement were used to pressure grout the annular space between the casing and the borehole wall. A cement return was observed at land surface.

Activities expected to occur next week includes: Drill out the cement plug for the LZMW-1 pit casing and initiate pilot hole drilling in order to identify the base of the USDW.

Find attached: Drillers Daily Logs.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 2
From: 6/1/2007 – 6/7/2007

TO: David Rhodes (FDEP- FT. Myers),
Joe Haberfeld (FDEP- Tallahassee),
Steve Anderson (SFWMD- West Palm Beach),
Ron Reese (USGS- Miami).

CC: David Huff (FGUA),
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the report for the week of June 1st through June 7th. Well construction activities continued at LZMW-1.

On June 1: Youngquist Brothers Inc. (YBI) performed site maintenance and construction activities at LZMW-1. On June 2: Pilot hole drilling resumed at LZMW-1 from a depth of 110 ft bls, starting by cleaning out the cement plug resulting from the pressure grouting of the pit casing. The pilot hole was advanced to a depth of 170 feet bls utilizing mud rotary drilling techniques with a 12.25 inch bit. On June 3: Pilot hole drilling continued to a depth of 370 feet bls. On June 4: Pilot hole drilling continued to a depth of 750ft, encountering borehole flow below a depth of 700 feet bls. On June 5: A set of geophysical logs were performed in the pilot hole to a depth of approximately 750 feet bls including caliper, gamma ray, BHC sonic, and dual induction. These logs were utilized to select a casing setting depth of 680 feet for the LZMW-1 intermediate casing, which was approved by FDEP-TAC. The top of the Suwannee Limestone was identified at a depth of approximately 650 feet bls. Reaming of the pilot hole with a 24-inch diameter drill bit began shortly after geophysical logging concluded. On June 6: YBI continued reaming activities. On June 7: reaming activities continued.

Activities expected to occur next week includes: Conclude reaming activities, install 16 inch steel casing to a depth of 680 feet bls and pressure grout to land surface, initiate reverse air pilot hole drilling in order to identify the base of the USDW.

Find attached: LZMW-1 Lithology Log. The daily drilling logs from this period will be included in next weeks report.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 3
From: 6/8/2007 – 6/14/2007

TO: David Rhodes (FDEP- FT. Myers),
Joe Haberfeld (FDEP- Tallahassee),
Steve Anderson (SFWMD- West Palm Beach),
Ron Reese (USGS- Miami).

CC: David Huff (FGUA),
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the report for the week of June 8th through June 14th. Well construction activities continued at LZMW-1.

On June 8: Youngquist Brothers Inc. (YBI) performed site maintenance and construction activities at LZMW-1. On June 9: The 16 inch steel casing was installed to a depth of 680 feet bls, per FDEP-TAC approval, consisting of 17 pieces of 40 foot, 0.5 inch wall casing butt welded together, and an additional 5 foot riser section was added to the tally to bring the casing above land surface, 686 feet of casing total. Once all the casing was hung, the first cementing stage commenced, consisting of 100 barrels of 100% Portland Type I/II neat cement, delivered via pressure grouting techniques. On June 10: A casing temperature log was conducted to determine the cement top in the casing annulus. From the temperature log, the cement top was estimated to be at 407 feet bls, but the actual cement top was tagged at 257 feet bls. An additional stage of cement was tremmied into the annulus utilizing 117 barrels of neat cement, bringing the cement top to land surface. On June 11 and 12: YBI performed site maintenance and construction activities in preparation for reverse air drilling at LZMW-1. On June 13: Reverse air drilling began at 680 feet bls with a 12.25 inch bit. Drilling was consistent and slow through 739 feet bls where the first specific capacity tests will be conducted. The results from the test show high capacity in this section of the upper Suwannee Limestone (specific capacity of 12,000-15,000 gpm/ft of drawdown). Water quality indicated fresh water (conductivity of 400-200

us/cm), which is a result of water added to the pilot hole to facilitate reverse air drilling. On June 14: Pilot hole drilling continues to a depth of 799 feet bls, sandy limestone formations were encountered at 790 feet bls, leading to delays in drilling activities.

Activities expected to occur next week includes: continue reverse air pilot hole drilling in order to identify the base of the USDW.

Find attached: The daily drilling logs, water quality tables for the pad monitor wells.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 4
From: 6/15/2007 – 6/21/2007

TO: David Rhodes (FDEP- FT. Myers),
Joe Haberfeld (FDEP- Tallahassee),
Steve Anderson (SFWMD- West Palm Beach),
Ron Reese (USGS- Miami).

CC: David Huff (FGUA),
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the report for the week of June 15th through June 21st. Well construction activities continued at LZMW-1.

On June 15: Youngquist Brothers Inc. (YBI) continued reverse air pilot hole drilling to a depth of 860 feet bls, utilizing a 12.25 inch bit. Sand inundation into the pilot hole continued, and dredging occurred in the interval of 770 -860 feet bls. On June 16 and 17: Dredging continued with minimal advancement of the bit below 790 feet bls. On June 18: a larger air compressor is brought on site in an attempt to remove the sand from the pilot hole more efficiently. On June 19 and 20: Dredging continued with no significant advancement in the depth of the pilot hole. On June 21: YBI suspended all drilling operations due to continued problems with sand inundation. YBI contacted, PBS&J and FGUA, requesting a meeting to discuss options to complete the construction of the LZMW-1.

Activities expected to occur next week includes: A meeting scheduled for Monday 25, 2007, in which options will be discussed as to the future construction of the LZMW-1.

Find attached: The daily drilling logs, water quality tables for the pad monitor wells.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 5
From: 6/22/2007 – 6/28/2007

TO: David Rhodes (FDEP- FT. Myers),
Joe Haberfeld (FDEP- Tallahassee),
Steve Anderson (SFWMD- West Palm Beach),
Ron Reese (USGS- Miami).

CC: David Huff (FGUA),
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the report for the week of June 22nd through June 28th. Well construction activities were temporarily suspended at LZMW-1 from June 20 through June 25th.

On June 25, an emergency meeting was held at the site with representatives from FDEP, FGUA, PBS&J and YBI present to discuss options for completing the lower zone monitoring well (LZMW), obtain unanimous concurrence on the option selected and provide immediate direction to the Contractor to avoid additional project delays. Option 2 which will involve pulling the drilling rig off of the current LZMW site and starting a new LZMW at the previously designated upper zone monitoring well (UZMW) site (flip-flop option) was recommended by PBS&J, agreed to by FGUA with concurrence provided by FDEP without the need for any permit modifications. Once the new LZMW is constructed, YBI will mobilize back to the unfinished monitor well site and complete as the UZMW. YBI began drilling rig mobilization activities to the new LZMW site after the meeting; mobilization activities lasted for the remainder of the week through June 28.

Activities expected to occur next week includes: Initiate pilot hole drilling at LZMW-1 including installation of a pit (surface) casing.

Find attached: daily construction shift/drilling logs

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 6
From: 6/29/2007 – 7/05/2007

TO: David Rhodes (FDEP- FT. Myers),
Joe Haberfeld (FDEP- Tallahassee),
Steve Anderson (SFWMD- West Palm Beach),
Ron Reese (USGS- Miami).

CC: David Huff (FGUA),
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of June 29 through July 5, 2007. Well construction activities of the lower zone monitoring well (LZMW) have begun in the new flip-flopped location, which was previously designated as the upper zone monitoring well site.

On Friday, June 29, mud-rotary drilling of the 12-inch pilot hole began on the lower zone monitoring well began. Formation samples were collected at 10-foot intervals. The pilot hole reached a depth of approximately 60 feet by the end of the day.

On Saturday, June 30, a depth of approximately 118 feet from pad level was reached in preparation for the installation of the 0.375-inch wall, 26-inch diameter surface casing. The reaming of the pilot hole with a 34.5-inch drill bit was subsequently completed followed by the installation of three welded segments (approximately 40-feet segments) of steel pit casing pipe to a total depth of 115.6 feet from pad level. Following the installation of the surface casing, 120 barrels of 100% Portland Type II neat cement was used to cement the surface casing in place using pressure grouting techniques.

On Sunday, July 1, the cased wellhead was prepared to facilitate further pilot hole drilling.

On Monday and Tuesday, July 2 and 3, mud-rotary drilling of the pilot hole with a 12.25-inch drill bit commenced at 118 feet bls. Three 40-foot stabilizer pipes were tripped in followed by a total of thirty-seven 30-foot drill rods, resulting in a total drilled depth of 1,200 feet bls. A deviation survey was conducted, using a sure-shot tool, in the pilot hole at 90-foot intervals throughout the entire length of the well. All of the deviation surveys were within the allowable deviation of one degree over the tested interval of 90 feet.

On Wednesday, July 4, geophysical logging was conducted in order to obtain information on well construction and rock lithology. The following geophysical logs were conducted by YBI in the pilot hole from land surface to 1,200 feet bls: caliper, gamma ray, dual induction and borehole compensated sonic. Following geophysical testing, YBI proceeded to ream the pilot hole with a 24-inch drill bit to a diameter of 22 inches. Reaming continued through the evening and was completed on Thursday, July 5 to a total depth of 1150 feet. A deviation survey was also conducted in the borehole at 90-foot intervals throughout the entire length of the well. All of the borehole deviation surveys were within the allowable deviation of one degree over the tested interval of 90 feet.

On Thursday, July 5, PBS&J reviewed the formation samples and the geophysical logging results in order to determine the 16-inch intermediate casing depth for the LZMW. Based on a review of the formation samples and the geophysical logging results, it was determined that the top of the Suwannee Limestone occurs at approximately 650 feet. In addition, the Ocala Limestone is estimated to be at 1,110 feet based on the absence of phosphate and a clean, light tan limestone with very low gamma ray readings. In addition, foraminifera fossils were identified at 1,180 feet, which are also an indication of the Ocala Limestone. PBS&J submitted a request to the Florida Department of Environmental Protection (FDEP) proposing to install the 0.500-inch wall, 16-inch diameter intermediate casing to a depth of 1,150 feet, which will isolate the sand interval and allow a switch from mud-rotary drilling to reverse air drilling of the pilot hole.

Activities expected to occur next week include the following: Installation of the 16-inch intermediate casing; the continued drilling of the pilot hole with a 12.25-inch drill bit via reverse-air drilling techniques in order to determine the base of the USDW (underground source of drinking water), followed by packer water quality tests.

Find attached: daily construction shift logs

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 7
From: 7/06/2007 – 7/12/2007

TO: David Rhodes (FDEP- FT. Myers),
Joe Haberfeld (FDEP- Tallahassee),
Steve Anderson (SFWMD- West Palm Beach),
Ron Reese (USGS- Miami).

CC: David Huff (FGUA),
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of July 6 through July 12, 2007. Well construction activities of the lower zone monitoring well (LZMW) have progressed, including the installation of the intermediate casing and the commencement of reverse-air drilling.

On Friday, July 6, 2007, FDEP approved PBS&J's request to seat the steel, 16-inch diameter, 0.50-inch wall thickness, intermediate casing for the LZMW-1 at 1,150 feet below land surface (bls). Youngquist Brothers, Inc. (YBI) conducted geophysical logging prior to setting casing, which included XY caliper and gamma ray measurements, on the 22-inch reamed borehole to a depth of 1,154 feet. The intermediate casing was installed to a depth of 1,150 feet bls, which consisted of 29 pieces of 40 foot, 16 inch steel casing.

On Saturday, July 7, 2007, YBI began cementing of the intermediate casing at LZMW-1, utilizing pressure grouting techniques. This first stage consisted of 79 barrels of 100% Portland type II neat cement. After several hours had passed, in which the cement was allowed to begin curing, a cement temperature log was conducted, to determine the top of the first stage of cement. The temperature log showed a cement top at 1048 feet bls. YBI then conducted a physical tag with tremmie pipe, and found the actual physical cement top to be at 1000 feet bls.

On Sunday, July 8, 2007, The second stage of cement was conducted via the tremmie pipe method. The tremmie pipe was tripped into the annulus of the 16 inch casing to a depth of 940 feet bls, 100 barrels of Portland neat cement, with 4% bentonite additive were then pumped through the tremmie to continue grouting the annulus. After several hours, a cement temperature log was conducted, to determine where the cement top for the second grouting stage was. The temperature log showed a cement top of 698 feet bls. Upon completing the physical tag, the top of the cement was determined to be at 779 feet bls. YBI then commenced with the third stage of cementing of the LZMW-1 annulus. The tremmie method was utilized to convey 100 barrels of Portland neat cement with 4 % bentonite additive into the annulus of the 16 inch casing.

On Monday, July 9, 2007, YBI conducted a cement top temperature log, and found the cement top to be approximately 560 feet bls. A physical cement top tag was then conducted and the actual cement top was determined to be 550 feet bls. The fourth stage of cementing was then conducted via tremmie method, utilizing 100 barrels of Portland neat cement with 4 % bentonite additive. After several hours a cement top temperature log was conducted, the log showed a cement top of approximately 386 feet bls. YBI then conducted a physical tag of the cement top in the annulus and found it to be 382 feet bls. The fifth stage of cement was initiated next, utilizing 105 barrels of Portland neat cement with 6 % bentonite additive.

On Tuesday, July 10, 2007, A cement top temperature log was conducted, showing a cement top of 50-70 feet bls. A physical tag revealed a cement top at 55 feet bls. The sixth stage of cementing was then conducted via tremmie method, utilizing 17 barrels of 100 % Portland neat cement, which brought the cement top in the annulus, to with in 10 feet of land surface, the cementing activities were stopped there, so as to not interfere with any plumbing at the wellhead. The cement will be brought to land surface at a later date as a part of wellhead completion activities.

On Wednesday, July 11, 2007, YBI, having finished the grouting in the 16 inch intermediate casing, switched all necessary drilling operations from mud rotary drilling to reverse air drilling methods. Additional site maintenance, such as grading, cleaning the pits, and small welding projects were also conducted. Late in the day pilot hole drilling began utilizing reverse air drilling at 1,150 feet bls with a 12.25 inch tricone bit.

On Thursday, July 12, 2007, YBI continued pilot hold drilling at 1,184 feet bls. Specific capacity testing began at 1214 feet bls, and then conducted every 60 feet there after. Water quality samples were also collected every 60 feet and analyzed for conductivity, TDS, pH, chlorides, and sulfate. The analysis was conducted by Sanders Laboratory. Field analysis of the water quality showed conductivities of approximately 6,700 uS/cm to 7,100 uS/cm with a specific capacity of 16.5 gpm/ft/ft of drawdown.

Activities expected next week: continue pilot hole drilling to a depth of 1904 feet bls, perform geophysical logging of the completed pilot hole, perform packer testing.

Find attached: daily construction shift logs, water table monitor well water quality,

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 8
From: 7/13/2007 – 7/20/2007

TO: David Rhodes (FDEP- FT. Myers),
Joe Haberfeld (FDEP- Tallahassee),
Steve Anderson (SFWMD- West Palm Beach),
Ron Reese (USGS- Miami).

CC: David Huff (FGUA),
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of July 13 through July 20, 2007. Well construction activities of the lower zone monitoring well (LZMW) have been impeded, due to equipment failures, and sand intrusion in the well.

On Friday, July 13, 2007, YBI continued with pilot hole drilling to a depth of 1884 feet bls. The specific capacity tests conducted showed an increasing capacity with depth, with a jump witnessed at 1634 feet bls to 43.75 gpm/ft of drawdown. The field water quality at that interval also showed an increase in conductivity (7370 uS/cm) and total dissolved solids (TDS) (3930 mg/L). The increases in specific capacity and water quality continued to a depth of 1814 feet bls, with a specific capacity of 54.25 gpm/ft of drawdown, a conductivity of 7540 uS/cm, and a TDS of 4030 mg/L. While drilling at 1884 feet bls, sand was encountered, which was drastically different than the parent rock of dolomite and crystallized limestone that was currently being drilled in. While it wasn't immediately clear where the sand was infiltrating from, it quickly became a threat to reverse air drilling activities, and YBI tripped out several rods to protect the drill string from becoming lodged in the sand. YBI then began developing and dredging the sand out of the hole utilizing reverse air methods. After dredging for much of the night, YBI tagged the top of the sand in the well and found it to be 1460 feet bls.

On Saturday, July 14, 2007, YBI tripped out the drilling rod to prepare for geophysical logging of the hole and found that over 150 feet of drill rod, subs, and the bit had broken off in the hole. An

XY caliper log was conducted to determine the cause of the sand intrusion and also if possible determine where their broken drill string was located in the hole. The XY caliper log showed that the bottom section of the 16-inch steel casing, 35 feet in length, had broken free of the casing string, and slid down the hole approximately 150 feet, coming to rest at 1268 feet bls. The loss of this casing section likely contributed to the sand from shallower depths becoming loose and flowing into the open borehole, resulting in sand intrusion up to a depth of 1435 feet bls.

On Sunday, July 15, 2007, no work was performed at the site in order to allow YBI to assess their options for the LZMW-1.

On Monday, July 16, 2007, PBS&J and YBI met and discussed two options pertaining to the further construction of LZMW-1. Option 1: Clean out the sand filled portion of the hole with thick mud-rotary drilling, continue down to the lost drill string, recover the lost drill string and bit. Then YBI would build a bridge plug, utilizing a cement basket, and cement below the fallen casing section at 1268 feet bls. After the bridge plug was securely set they would tremmie in cement between the interval of approximately 1268 to 1065 feet bls, in which they would sink a 200 foot, steel 14-inch, 0.375 wall, liner which would stop the sand intrusion, secure the 16-inch fallen casing and facilitate further reverse air drilling and hydraulic testing. Option 2: Plug and abandon the well after the lost drilling rod is retrieved; then move to a nearby location and begin drilling a new LZMW-1. YBI, with concurrence from PBS&J decided to initiate recovery procedures for their lost drill bit as the first phase of option 1. YBI rigged up for mud rotary drilling and tripped in the hole with a 12.25-inch reamer bit to begin cleaning out the sand.

On Tuesday, July 17, 2007, mud rotary drilling continued to a depth of 1550 feet bls, where the end of the broken drilling string was encountered. YBI then tripped in with a 2-inch steel jetting rod, in an attempt to lift out the cuttings and sand away from the broken drill string.

On Wednesday, July 18, 2007, YBI began the jetting procedure utilizing the stronger cementing pump. When the pump was initiated, an equipment failure occurred and the pump became inoperable, the jet rod was tripped out and the drilling rod with the broken end was tripped back in to facilitate further mud drilling and excavating along side of the broken drill string. YBI succeeded in excavating the sand and cuttings to a depth of 1680 feet bls along side of the broke drill string.

On Thursday, July 19, 2007, YBI tripped in with the overshot fishing tool to attempt to grab onto the broken drill string and pull it free. The overshot tool was ineffective due to the apparent degradation of the broken end of the lost drill string. A special cutting bit for the overshot tool was constructed by YBI and a second attempt was made to latch onto the broken drill string. The second attempt also failed to retrieve it. It is theorized that the break in the rod occurred at or just above a joint in the rod and that the overshot tool is not wide enough to accept the outside diameter of the joint, leaving it unable to grab the broken drill string.

Activities expected next week: Retrieve the broken drill string from a depth of 1550 feet bls.

Find attached: daily construction shift logs

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 9
From: 7/20/2007 – 7/26/2007

TO: David Rhodes (FDEP- FT. Myers),
Joe Haberfeld (FDEP- Tallahassee),
Steve Anderson (SFWMD- West Palm Beach),
Ron Reese (USGS- Miami).

CC: David Huff (FGUA),
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of July 20 through July 26, 2007. Well construction activities of the lower zone monitoring well (LZMW) continue to be impeded, due to lost and broken drilling equipment.

On Friday, July 20, 2007, YBI continued in their attempts to fish out the broken drill string that is in the bottom of the borehole between 1700 and 1550 feet bls. After the overshot tool failed to grab onto the end of the broken string; a different approach was attempted with an expandable type fishing tool, which is inserted inside the broken drill string in order to secure the drill string and lift it out of the well. YBI also began jetting fluids down along the side of the broken drill string attempting to loosen any cuttings or sand that were encasing the rods and bit. No progress was made during these attempts and the broken drill string remained stuck in the bottom of the borehole.

On Saturday, July 21, 2007, YBI brought rig jacks out to the site in an attempt to exert greater lifting force and free the broken drill string. The combined lifting force of the rig and jacks was 350,000 lbs. Despite several lifting attempts, YBI was unsuccessful in pulling the broken drill string out of the well.

From Sunday, July 22, 2007 to Wednesday, July 25, 2007, no work was performed at the site. YBI requested permission from FGUA and FDEP to plug and abandon the existing LZMW-1 (A) well. YBI prepared a formal plugging and abandonment plan that was submitted to FDEP for approval.

On Thursday, July 26, 2007, the plug and abandonment procedure was approved by FDEP and FGUA. YBI tripped in with the tremmie pipe to facilitate cementing the inside of the broken drill string up to the bottom of the fishing tool at approximately 1560 feet bls. Five barrels of Portland type II neat cement were used to fill 140 feet of 7 inch drill rod.

Activities expected next week: YBI to obtain FGUA and FDEP approval for location of replacement LZMW-1(B), mobilize to approved replacement well site and initiate construction activities.

Find attached: daily construction shift logs

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 10
From: 7/27/2007 – 8/02/2007

TO: David Rhodes (FDEP- FT. Myers),
Joe Haberfeld (FDEP- Tallahassee),
Steve Anderson (SFWMD- West Palm Beach),
Ron Reese (USGS- Miami).

CC: David Huff (FGUA),
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of July 27 through August 2, 2007. Well construction activities of the lower zone monitoring well (LZMW-1A) continue to be impeded, due to lost and broken drilling equipment.

On Friday, July 27, 2007, YBI concluded the attempts to fish out the broken drill string. In preparation to plug and abandon the well, they filled the inside of the lost drill string with 100% neat Portland cement to 1560 feet bls. Once the grout cured they cut loose the remaining drill string and fishing tool and tripped out of the hole.

On Saturday, July 28, 2007, YBI, per plug and abandonment procedure, began backfilling the open hole with 117 barrels of Portland neat cement, delivered via tremmie method, hydrated with a 12% bentonite gel. The cement top tag resulting from the first stage of cement was 1337 feet bls. A second stage of 107 barrels of 12% additive cement was tremmie grouted in place, resulting in a cement top tag of 1120 feet bls.

On Sunday, July 29 2007, A third stage of cement was pressure grouted into the well to facility cement intrusion behind the 16 inch steel casing; 27 barrels were pumped at 12% additive. This procedure resulted in securing the base of the casing, and assuring that the formation on the outside of the casing was sealed from any other water sources. The pressure grouting resulted in a cement top tag of 1102 feet bls. A fourth stage consisting of 157 barrels at 12% bentonite gel additive were tremmie grouted into the casing resulting in a cement to tag of 392 feet bls. The last and fifth stage of cement was pumped into the casing via tremmie pipe, 90 barrels of 12%

additive cement resulted in a full cement return at land surface. This concluded the plugging and abandonment of LZMW-1A.

Monday, July 30, 2007 through Thursday August 2, 2007, YBI demobilized the drilling rig and containment pad. After approval from FDEP and FGUA on Monday July 30, the drill rig and all other required equipment were remobilized to the LZMW-1B site, approximately 50 feet southeast of the LZMW-1A location. On Wednesday August 1, pad well 3 was plugged and relocated in an area outside of the containment pad for the new LZMW-1B.

Activities expected next week: initiate construction activities at LZMW-1B.

Find attached: daily construction shift logs, pad well water quality data

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 11
From: 8/03/2007 – 8/09/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of August 3, 2007, through August 9, 2007. Well construction activities of the lower zone monitoring well (LZMW-1B) began with pilot hole drilling for the 26-inch-diameter pit casing and the16-inch-diameter intermediate casing.

On Friday, August 3, 2007, YBI began pilot hole drilling for the pit casing of well LZMW-1B, which is located 50 feet southwest of well LZMW-1A. The pilot hole was drilled utilizing mud-rotary drilling techniques to a depth of 64 feet below land surface (bls).

On Saturday, August 4, 2007, a 26-inch-diameter steel casing, was installed and seated at a depth of 64 feet bls. Forty-nine (49) barrels of 100% neat Portland cement were utilized for the pressure grouting of the pit casing. A full cement return was observed at land surface.

On Sunday, August 5, 2007, YBI began pilot hole drilling for the intermediate casing using a 12.25-inch-diameter tricone bit. The pilot hole was drilled utilizing mud-rotary drilling techniques in order to ensure continued wall stability throughout all of the drilling activities.

Pilot hole drilling continued on Monday, August 6, 2007, attaining a total depth of 1,150 feet bls. After tripping out the entire drill string, geophysical logging was conducted on the mudded pilot hole. The geophysical logs conducted by YBI were XY caliper, gamma ray, dual induction and borehole compensated (BHC) sonic. These logs were used to define the geophysical properties

of the formations that were exposed by the pilot hole and interpretation of the logs confirmed that a depth of 1,150 feet bls was conducive to seating the 16-inch intermediate casing.

Tuesday, August 7, 2007, through August 9, 2007, YBI commenced with the reaming of the pilot hole to 24 inches in diameter to a depth of 1,150 feet bls. On August 9, reaming activities were completed and YBI continued to condition the hole with “wiper” trips in and out of the hole to ensure that the mudded wall was stable and the hole was clear of all drill cuttings and formation debris.

Activities expected next week: install 16-inch-diameter intermediate casing; pressure grout the intermediate casing; begin reverse-air drilling activities.

Find attached: Daily construction shift logs.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 12
From: 8/10/2007 – 8/16/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of August 10, 2007, through August 16, 2007. Well construction activities of the lower zone monitoring well (LZMW-1B) continued through the drilling of the pilot hole to the estimated total depth.

On Friday, August 10, 2007, YBI continued to condition the reamed hole with "wiper" trips in and out of the bore hole in order to ensure that the mudded wall was stable and that the hole was clear of all drill cuttings and formation debris.

On Saturday, August 11, 2007, geophysical logging was performed on the 24-inch reamed borehole to a depth of 1,150 feet below land surface (bls). The XY caliper and gamma ray logs were conducted and utilized to confirm the intermediate casing setting depth and to calculate theoretical cement volume of the annular space of the casing. Following the geophysical logging, twenty-nine segments of 16-inch, 0.5-inch wall, steel casing were installed and seated at 1,150 feet bls. The annular space between the well borehole and the outside of the casing was circulated with mud to clean the hole of any debris that may have accumulated during the casing installation. Cementing of the intermediate casing was completed in one pressure grouted lift. The stage consisted of 395 barrels of 8 % bentonite additive, Portland cement and 67 barrels of 100% neat Portland cement, for a total volume of 462 barrels. The theoretical annular volume as determined by a review of the geophysical log results was 450 barrels. A full cement return was witnessed by PBS&J at land surface.

On Sunday, August 12, 2007, YBI performed modifications to drill rig in preparation for reverse-air drilling of pilot hole.

Site maintenance continued on Monday, August 13, 2007. Reverse-air drilling of the LZMW-1B began on the cement plug at the bottom of the 16-inch intermediate casing and continued drilling the 12.25-inch diameter pilot hole to an approximate depth of 1,200 feet bls by late evening.

On Tuesday, August 14, 2007, YBI continued drilling the 12.25-inch pilot hole to an approximate depth of 1,577 feet bls, which was achieved by midday. Drilling activities were temporarily suspended due to maintenance on the drill rig fuel line. Reverse-air drilling activities resumed the following day, August 15. Formation cuttings were collected every ten (10) feet, identified and catalogued in the lithology log by PBS&J. Specific capacity tests were conducted and water quality samples were collected every 60 feet during reverse-air drilling activities.

On Wednesday, August 15, 2007, YBI continued drilling the pilot hole throughout the evening to an approximate depth of 1,817 feet bls. Air-lift water quality samples were collected in order to determine the base of the Underground Source of Drinking Water (USDW).

On Thursday, August 16, 2007, pilot hole drilling continued to the total depth of 1,907 feet bls. After tripping the complete drill string out of the hole, a full suite of geophysical logs were conducted, which included XY caliper, gamma ray, dual induction, borehole compensated (BHC) sonic, and a televiewer log. Following approval by PBS&J, the televiewer log was substituted for the video survey, due to the potential of decreased visibility in the pilot hole. The dynamic flow meter and conductivity logs were conducted after midnight on August 17.

Activities expected next week: Complete geophysical logging; perform packer testing to identify the base of the USDW and confirm an appropriate monitoring interval; ream the pilot hole to the final casing setting depth approved by FDEP.

Find attached: Daily construction shift logs, lithology logs, water quality monitoring tables.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 13
From: 8/17/2007 – 8/23/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of August 17, 2007, through August 23, 2007.

On Friday, August 17, 2007, YBI completed the geophysical logging of the LZMW-1B. Evaluation of the geophysical logs resulted in the selection of four discrete intervals for packer pump testing of the pilot hole, commencing with an "off bottom" single packer test. The single packer assembly was installed and set at a depth of 1788 feet bls at the centerline. The open interval was 1788-1907 feet bls. Prior to any testing procedures the open interval was airlift developed at approximately 60 gpm, allowing for the evacuation of over 3 interval volumes, ensuring that all water quality and hydraulic properties recorded during the packer test would be representative of ambient conditions.

On Saturday, August 18, 2007, Packer test 1 was completed. Each of the packer tests consisted of three phases: background water level data, pumping period and recovery of water levels following pumping. Each phase was recorded by YBI utilizing a Hermit 3000 pressure transducer. A 1.5 horse power, 4 inch submersible pump was installed to 180 feet bls, and the open interval was pumped for four hours during each of the packer test. Following recovery, the single packer assembly was removed and a straddle packer assembly was installed isolating the interval of 1693-1753 feet bls for packer test 2. The straddle packer assembly consisted of two packers set 60 feet apart, once inflated the interval was isolated from the open hole above and below. The drill pipe between the packers is perforated, allowing the water in the formation to be

evacuated freely when the pump was turned on. Field conductivity was 46,500 us/cm. Specific capacity of the interval was 0.84 gpm/ft of drawdown.

On Sunday, August 19, 2007, YBI pump developed the open interval of 1693-1753 feet bls at approximately 23 gpm until over 3 interval volumes had been evacuated. Following borehole development, packer test 2 was completed the field water quality test results were: conductivity 21,300 us/cm and specific capacity of 0.21 gpm/ft of drawdown. After recovery, YBI raised the straddle packer assembly to the next testing interval. The straddle was set isolating the interval 1613-1673 feet bls.

On Monday, August 20, 2007, YBI pump developed the open interval of 1613-1673 feet bls at approximately 7 gpm. Due to the low pumping rate, only one borehole interval volume was evacuated before beginning packer test 3. By the end of the test, over three interval volumes were removed resulting in native formation hydrogeologic characteristics. Field water quality results showed a conductivity of 6,250 us/cm, and a specific capacity of 0.06gpm/ft of drawdown. Upon completion of the packer test and its subsequent recovery, the straddle assembly was again moved to the next testing interval of 1523-1583 feet bls.

On Tuesday, August 21, 2007, YBI pump developed the open interval of 1523-1583 feet bls at approximately 22 gpm until over 3 interval volumes had been evacuated. After completion of the borehole development, packer test 4 was conducted with field results showing a conductivity concentration of 3,480 us/cm and specific capacity of 0.20 gpm/ft of drawdown. Water quality samples collected at the end of each packer test were submitted to a laboratory for analysis. The parameters tested are required for determination of the final casing setting depth for the 6 inch final casing of LZMW-1B.

On Wednesday, August 16, 2007 and Thursday, August 17, 2007, YBI staged the final 6 inch casing, attaching the centralizers, in preparation for casing installation.

Activities expected next week: Submit all packer testing data to FDEP for casing setting depth approval. Install and cement 6 inch FRP final casing at LZMW-1B, and conduct casing pressure test.

Find attached: Daily construction shift logs, water quality monitoring tables.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 14
From: 8/24/2007 – 8/30/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of August 24, 2007, through August 30, 2007. During the last week construction activities at the site have slowed, pending approval of casing setting depth and confirming the depth of the USDW.

The hydrogeologic testing phase of the well construction was completed on August 21, after the last packer test was concluded. The resulting water quality samples for each of the packer test intervals were submitted to Sanders Lab Inc. for analysis. The water quality results were returned on Friday August 24. Based on interpretation of the laboratory results, namely the TDS, conductivity, and chloride parameters, the location of the base of the USDW was identified at 1700 feet bls. The laboratory results and other supporting documentation were submitted to FDEP for approval of the lower zone monitoring interval (1800-1907 feet bls), the LZMW-1B final casing setting depth of 1800 feet bls, and the upper zone monitoring interval of 1500-1580 feet bls. On August 29 the FDEP approved the lower zone monitoring interval and the LZMW-1B casing setting depth. The upper zone monitoring interval was tentatively approved pending the geophysical logging results of the UZMW-1 pilot hole. Following FDEP's approval YBI commenced with completion of the LZMW-1B by preparing for reaming activities.

Activities expected next week: Install and cement 6 inch FRP final casing at LZMW-1B, and conduct casing pressure test.

Find attached: Daily construction shift logs

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 15
From: 8/31/2007 – 9/6/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of August 31, 2007, through September 6, 2007. During the last week the construction of the lower zone monirtoring well LZMW-1B was completed.

On August 31: The 12.25-inch borehole was reamed to 14 inches in diameter utilizing a tricone reaming bit, to the depth of 1785 feet bls. After tripping out the reaming bit, the bore hole was cleared of all cuttings with the 12.25-inch bit from 1785 feet to 1905 feet bls. A set of XY caliper geophysical logs were conducted after both the reaming and the cleaning passes to assist in the determination of the final casing placement and show that the monitoring interval was open and free of cuttings.

On September 1: The fiberglass reinforced plastic (FRP) casing was installed to a depth of 1790 feet bls with the 6-foot “California” packer at the bottom, bringing the total final cased depth to 1796 feet bls. The packer assembly was inflated and a preliminary pressure test was conducted by YBI to ensure casing integrity and functionality of the packer.

On September 2: The packer was inflated to full pressure of 100 psi in preparation for the first cement stage. The first cement stage consisted of four barrels of 100 % neat Portland type II cement. This small “shot” was done to form a plug above the inflated rubber packer which would then disperse the weight of future cement stages. After 12 hours of curing time, a second small cement stage was poured, consisting of 10 barrels of 100% neat cement Portland type II cement.

On September 3: The stage two lift resulted in a cement top tag of 1715 feet bls which was confirmed by a cement temperature log delineating the cement top at 1718 feet bls. The third cement lift was conducted utilizing 39 barrels of neat cement, then immediately followed by 98 barrels of Portland cement with 6 % bentonite gel additive, resulting in a total lift volume of 137 barrels. After 12 hours had passed, a cement temperature log was performed and the cement top tag at 1263 feet bls. A fourth stage of cement was pumped utilizing 85 barrels of Portland cement with 6% bentonite gel additive, conveyed via tremmie pipe into the annular space of LZMW-1B. This resulted in a cement top tag of 886 feet bls.

On September 4: Cementing stage five was conducted and 110 barrels of Portland cement with 6% bentonite gel additive, were pumped into the annulus resulting in a cement top tag of 188 feet bls.

On September 5: YBI conducted the cement bond log. The final stage of cementing consisted of 31 barrels of 100% neat Portland cement, bringing the cement top to land surface.

On September 6: Fluids were circulated inside the FRP casing to help cool the curing cement, in preparation for the casing pressure test to be conducted on September 7.

Activities expected next week: conduct casing pressure test, demobilize on LZMW-1B and mobilize to the upper zone monitoring well (UZMW-1).

Find attached: Daily construction shift logs, Pad wells water quality report.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 16
From: 9/7/2007 – 9/13/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of September 7, 2007, through September 13, 2007. During the last week the construction of the upper zone monitoring well UZMW-1 was re-initiated.

On September 7: The casing pressure test was conducted at LZMW-1B on the final 6 inch fiberglass reinforced plastic (FRP) casing. The system was pressurized to 50 psi and over the hour long test, the system only gained 0.25 psi, which was with in the FDEP standards dictating a pressure change of +/- 5% of the original setting pressure. The pressure test was witnessed by PBS&J. Following the casing pressure test, the casing was pressurized up to 350 psi to cause the shear pins on the bottom plate of the "California" packer to shear, releasing the bottom plate and opening the casing to the open hole interval below. YBI began demobilization of the drilling rig and related equipment at LZMW-1B, in preparation to mobilize to the UZMW-1.

Between September 10 and September 12: YBI worked at demobilizing of the LZMW-1B site and remobilizing to the UZMW-1 site.

On September 13: Pilot hole drilling resumed at UZMW-1, utilizing at 12.25 inch bit and mud rotary drilling techniques. Sand and sediments were encountered at approximately 800 feet bls. YBI prepared and conditioned the mud to ensure that the sand intrusion encountered previously at this well would not hinder the current progress of the pilot hole drilling. YBI continued

drilling to 1080 feet bls in moderately friable tan limestone. The drill broke down causing shut down of well construction activities for the remainder of the week .

Activities expected next week: Repair drill rig and continue pilot hole drilling at the upper zone monitoring well (UZMW-1), geophysical log and install 6 inch FRP casing.

Find attached: Daily construction shift logs, Pad wells water quality report.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 17
From: 9/14/2007 – 9/20/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of September 14, 2007, through September 20, 2007. During the last week the construction activities at the upper zone monitoring well UZMW-1 continued.

On September 14: Repairs were made to the drilling rig and pilot hole drilling was resumed with a 12.25 inch tricone bit, utilizing mud rotary techniques, to a depth of approximately 1200 feet bls.

On September 17: Pilot hole drilling continued to a total depth of 1578 feet bls, mud was then circulated in the hole for approximately one hour to lift any cuttings and debris out of the open bore hole.

On September 18: YBI conducted pilot hole geophysical logs, consisting of XY caliper/gamma, dual induction, sonic BHC and a log derived TDS. PBS&J utilized these logs as well as the lithology log to request FDEP concurrence for casing setting and monitor interval approval for the UZMW-1. The approval was requested and granted for a casing seat at approximately 1500 feet bls and an open monitor interval of 1500 – 1578 feet bls. YBI continued to move forward with the construction of the UZMW-1 and began reaming the pilot hole to a diameter of 14.5 inches with a tricone reamer bit to a depth of 1497 feet bls.

On September 19: Reaming activities continued. Upon completion of reaming to 1497 feet bls, a 12.25 inch bit was tripped back into the borehole to a depth of 1578 feet bls to clean out cuttings and debris from the open monitoring interval in preparation for casing installation.

On September 20: YBI conducted reamed hole geophysical logs, consisting of XY caliper/gamma logs. After completion of the geophysical logging the 6 inch FRP final casing was installed to a seating depth of 1497 feet bls, with a California packer assembly in advance of the first piece of casing. The packer was inflated to 100 psi and effectively closed off the monitoring interval from the casing annulus. The first 2 stages of cement were pumped on top of the inflated packer assembly upon completion of the casing installation. They consisted of 4 barrels each of 100% neat Portland type II cement.

Activities expected next week: Complete cementing of the UZMW-1 final casing, conduct casing pressure test, develop the open interval of the UZMW-1, and collect background water quality.

Find attached: Daily construction shift logs

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 18
From: 9/21/2007 – 9/27/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of September 21, 2007, through September 27, 2007. During the last week the construction activities at the upper zone monitoring well UZMW-1 continued.

On September 21: Cementing activities continued with the physical tag from cement stage 2 was found to be 1330 feet bls, which correlated with the temperature log conducted inside the casing Cement stage 3 was completed using 45 barrels of cement with 6 % bentonite gel additive. In preparation for stage 4, a temperature log was conducted on the stage 3 pour after 8 hours had elapsed. The physical cement top tag was 1068 feet bls and the temperature log showed a cement top at 1072 feet bls.

On September 22: YBI pumped the fourth stage of cement, consisting of 265 barrels with a 6% bentonite gel additive. The resulting physical tag was 270 feet bls. The temperature log showed a cement top of 285 feet bls.

On September 24: The fifth and last stage of cement was poured, utilizing 44 barrels of neat cement with 4% bentonite gel additive. A full cement return was witnessed by PBS&J personnel at land surface.

On September 25: The casing pressure test was conducted on the UZMW-1 final 6 inch casing. The casing was pressurized to 50 psi and gained 2.5 psi over the 1 hour testing period, which

indicated a successful casing pressure test. The allowable range of pressure change permitted by FDEP is 5% of the original pressure setting. With the system set at 50 psi, a 5% pressure change could not exceed +/- 2.5 psi. The packer was then deflated and the open interval was airlift developed in preparation for background water quality sampling.

On September 26: YBI continued to develop the UZMW-1 and the LZMW-1 in preparation for background water quality sampling.

On September 27: Both the UZMW-1 and the LZMW-1 were fully developed and then sampled for background water quality parameters by Sanders Laboratory personnel. YBI began the demobilization of the UZMW-1 site.

Activities expected next week: Demobilization of the monitor well site.

Find attached: Daily construction shift logs

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 19
From: 9/28/2007 – 10/4/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of September 28, 2007, through October 4, 2007. During the last week the construction activities at the upper zone monitoring well UZMW-1 concluded and demobilization of the monitor well site continued.

Activities expected next week: Demobilization of the monitor well site.

Find attached: Shallow monitoring well water quality results

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 20
From: 10/5/2007 – 10/11/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of October 5, 2007, through October 11, 2007. During the last week demobilization of the monitor well drilling rig concluded and preparations for mobilization of the deep injection well rig began.

Activities expected next week: Preparations for mobilization to the deep injection well site.

Find attached: Shallow monitoring well water quality results

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 21
From: 10/12/2007 – 10/28/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of October 12, 2007, through October 18, 2007. During the last week preparations for mobilization of the deep injection well rig continued.

Activities expected next week: Preparations for mobilization to the deep injection well site.

Find attached: Shallow monitoring well water quality results

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 22
From: 10/19/2007 – 10/25/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of October 19, 2007, through October 25, 2007. During the last week preparations for mobilization of the deep injection well rig continued.

Activities expected next week: Preparations for mobilization to the deep injection well site.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 23
From: 10/26/2007 – 11/08/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the weeks of October 26, 2007, through November 8, 2007. During the past two weeks, Youngquist Brothers Inc. have been preparing the site for mobilization of the deep injection well rig.

Activities expected next week: Mobilization of the rig to the deep injection well site.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 24
From: 11/9/2007 – 11/15/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of November 9, 2007, through November 15, 2007. During the past week, Youngquist Brothers Inc. completed mobilization of their large drilling rig to the Lehigh Acres DIW site in order to begin construction of the deep injection well.

Activities expected next week: Install pit casing and begin pilot hole drilling on DIW-1.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 25
From: 11/16/2007 – 11/22/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of November 16, 2007, through November 22, 2007. During the past week, Youngquist Brothers Inc. installed the 54-inch steel deep injection well pit casing to a depth of 57 feet below land surface (bls).

On November 21, fifty-nine (59) barrels of 100% neat Portland cement were utilized during the grouting of the pit casing. After the cement in the pit casing had sufficiently cured, pilot hole drilling commenced utilizing a 12.25-inch tricone drill bit and mud rotary drilling technique. A pilot hole depth of 447 feet bls was achieved by the end of day.

On Thursday, November 22, pilot hole drilling continued until approximately 1:00 p.m. to a depth of 500 feet upon which the drill rods were tripped out to the pit casing depth of 57 feet. No further activity occurred at the site for the remainder of the day due to the holiday.

Activities expected next week: Continue pilot hole drilling to approximately 1,200 feet bls, perform geophysical logs on the pilot hole and ream the pilot hole to a diameter of 50 inches to approximately 1,200 feet bls.

Find Attached: Daily Construction Activity Reports

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 26
From: 11/23/2007 – 11/29/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of November 23, 2007, through November 29, 2007. During the past week, Youngquist Brothers Inc. completed the pilot hole for the deep injection well (DIW-1) surface casing to a depth of 1,202 feet bls and began reaming operations.

On November 23, pilot hole drilling resumed at 500 feet bls with a 12.25-inch tricone bit utilizing mud rotary drilling techniques. Formation samples were collected every 10 feet bls and were identified for cataloguing of the area lithology. A pilot hole depth of 815 feet bls was achieved by the end of the day.

On Saturday, November 24, pilot hole drilling continued to a depth of 1,202 feet, which is the estimated total depth for this segment of the DIW-1 well construction. A suite of geophysical logs were performed on the pilot hole including caliper/gamma ray and dual induction.

On November 25, reaming of the pilot hole was initiated in order to increase the full diameter of the pilot hole to 52.5 inches. Over the next four days the pilot hole was reamed to a depth of 740 feet bls and reaming activities will continue until a depth of 1,180 feet is achieved.

On November 26, the geophysical and lithologic data collected during the DIW-1 pilot hole drilling was submitted to FDEP for approval of the requested 42-inch surface casing setting

depth of 1,180 feet bls. On November 27, FDEP approved the casing setting depth for the surface casing at 1,180 feet bls.

Activities expected next week: Continue reaming activities to approximately 1,180 feet bls, install and grout the 42-inch steel casing to 1,180 feet bls.

Find Attached: Daily Construction Activity Reports and pad monitor well water quality data.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 27
From: 11/30/2007 – 12/06/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of November 30, 2007, through December 06, 2007. During the past week, Youngquist Brothers Inc. completed reaming the pilot hole for the deep injection well (DIW-1) surface casing to a depth of 1185 feet bls in preparation for casing installation.

On November 30, reaming operations continue at approximately 810 feet bls with a 52.5 inch flat bottom reamer bit. YBI submitted a cementing plan in preparation for seating the 42inch casing.

From December 1-3, reaming continues until the total depth for this stage in well construction is obtained at 1185 feet bls. The hole, although reamed to 52 inches, required further conditioning, so several wiper trips were planned to go up and down to hole to circulate out cuttings and clean up the walls of the borehole.

On December 4 and 5, Conditioning of the mudded borehole continued.

On December 6, Installation of the 42 inch, 0.375 in. wall, steel surface casing began. Each casing was hung consecutively in the mast of the rig, end to end, triple bead welded and then lowered into the mudded borehole. At the end of the day 20 strings of casing, a total of approximately 800 feet of casing were installed.

Activities expected next week: Continue the casing installation for the 42 inch surface casing, cement grout the annulus, and conduct temperature logs. Make preparations for reverse air drilling.

Find Attached: Daily Construction Activity Reports and pad monitor well water quality data.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 28
From: 12/07/2007 – 12/13/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of December 7, 2007, through December 13, 2007. During the past week, Youngquist Brothers Inc. completed the installation of the deep injection well (DIW-1) 42-inch, 0.375-inch wall, steel surface casing to a depth of 1,180 feet below land surface (bls) and began to advance the pilot hole through reverse-air drilling to an approximate depth of 1,280 feet bls.

On Friday, December 7, the installation of the 42-inch casing continued with string 21 of the 40 foot casing segments at an approximate depth of 800 feet bls. Each casing segment was triple bead welded to the subsequent segment and then lowered into the mudded borehole. At mid-morning, the final 42-inch casing segment was welded and lowered into the hole for an approximate casing depth of 1,180 feet bls. The first stage of the cementing of the surface casing was conducted utilizing a pressure grouting method, which consisted of 300 barrels of twelve (12) percent bentonite additive cement followed by 86 barrels of 100 percent neat Type II cement.

On December 8, a temperature log was conducted in order to determine the top of the cement that was pumped during the first stage of the cementing process. The theoretical cement top was determined to be approximately 737 feet bls based upon a review of the DIW-1 reamed hole caliper log. According to the temperature log, the top of the cement was located at approximately 730 feet bls and the hard tag of the top was at approximately 695 feet bls. The second stage of cementing consisted of 317 barrels of 12 percent additive cement. The

theoretical cement lift was estimated at 375 feet bls. The temperature log resulted in a cement top of 326 feet bls and the hard tag resulted in a cement top depth of 307 feet bls. During the evening of December 8, the third stage of surface casing cementing was conducted. Two hundred and thirty (230) barrels of 12 percent additive cement were utilized.

During December 9, the temperature log revealed a cement top depth of approximately 50 feet bls, whereas, the hard tag resulted in a depth of 100 feet bls. It is expected that discrepancies would exist when attempting temperature logs off such a large diameter casing.

Activities expected next week: Continue reverse-air drilling of the pilot hole to a depth of 1,800 feet bls, conduct geophysical logging followed by the reaming of the pilot hole to 1,800 feet bls.

Find Attached: Daily Construction Activity Reports and pad monitor well water quality data.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 29
From: 12/14/2007 – 12/20/2007

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of December 14, 2007, through December 20, 2007. During the past week, Youngquist Brothers Inc. completed the pilot hole for the intermediate casing of the deep injection well (DIW-1) to a depth of 1810 feet bls.

On Friday, December 14, Continued reverse air drilling to a depth of 1520 feet bls. Airlift water quality samples were collected every 60 feet as drilling commenced, the field analysis of the samples revealed a specific conductance of approximately 800 us/cm, and a TDS of approximately 400 mg/L.

On December 15, Pilot hole drilling continued until a total depth for this stage in construction was obtained at 1810 feet bls. Water quality samples collected during airlift drilling revealed increasing conductivity values from 800 to 7,220 us/cm, and TDS values from 400 to 3,610 mg/L. Cuttings were collected every 10 feet while reverse air drilling, then analyzed and catalogued.

On December 16, the pilot hole was airlift developed in an attempt to obtain a more representative water quality sample. The sample was gathered after discharging in excess of 30,000 gallons of formation water. Once analyzed the sample revealed a conductivity of 8,950 us/cm and a TDS of 4,470 mg/L. The water was then discharged back down the well and a full suit of static geophysical logs were conducted on the pilot hole, including: a temperature log, XY

caliper/gamma ray log, dual induction log, BHC sonic log, log derived TDS, and a televiewer log.

Monday, December 17, A request for approval of casing setting depth was submitted to FDEP, with a recommendation for casing seating at 1800 feet bls. Construction operations at the site were suspended pending FDEP approval of the casing depth.

Tuesday December 18, Approval was given by FDEP for the seating of the Intermediate casing at 1800 feet bls late in the day. YBI construction operations remain suspended until 12/19.

December 19, YBI commences cementing of the pilot hole with 126 barrels of 12% bentonite gel additive cement. The 40.5 inch reamer bit is tripped in to 1180 feet bls in preparation for reaming activities. YBI began reaming at the bottom of the surface casing and encountered the top of the backfilled cement at 1191 ft bls.

December 20, Reaming activities continue on the DIW-1, a depth of 1300 feet was achieved by the end of the shift.

Activities expected next week: Continue reaming of the pilot hole to a depth of 1,800 feet bls, conduct geophysical logging followed by the installation of the intermediate casing.

Find Attached: Daily Construction Activity Reports and pad monitor well water quality data.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 30
From: 12/21/2007 – 1/3/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of December 21, 2007, through January 3, 2008. During the past two weeks, Youngquist Brothers Inc. completed the reaming of the pilot hole for the intermediate casing of the deep injection well (DIW-1) to a depth of 1,800 feet bls.

From December 21 through December 28 YBI conducted reaming activities on the pilot hole, expanding the diameter to 40.5 inches utilizing a flat head reamer bit to a depth of 1,800 feet bls (YBI observed the Christmas holiday on 12/24 and 12/25). On December 28 an XY caliper/gamma log was conducted to check the gauge and roundness of the borehole. The log showed approximately 50 feet of backfill in the bottom of the borehole. The amount of backfill present would hinder the successful seating of the casing, therefore, as a result YBI elected to reinitiate reaming activities to facilitate the complete evacuation of the backfill at the bottom of the borehole. On December 31, reaming activities for the intermediate casing were completed and an XY caliper/gamma log was conducted, showing a round, gauge borehole to 1,800 feet bls. On January 1 and 2 the 34-inch, 0.375 in. wall, steel intermediate casing was installed and seated at a depth of 1,800 ft bls. Immediately following the seating of the casing on January 2, the first stage of cement was pressure grouted into the annulus of the intermediate casing. Portland Cement with 12% bentonite gel additive was pumped in first at a rate of 1.8 barrels/ min, with a total of 315 barrels utilized, then YBI switched over to pump 55 barrels of neat cement which landed across the bottom 100 feet of the casing. A total of 370 barrels were pumped for STAGE 1 and the close-in pressure was 152 psi.

On January 3 YBI pumped STAGE 2 of the cement grouting of the intermediate casing. The temperature log of the previous stage revealed a cement top of 1,257 feet bls, a physical tag of the cement top with the end of the tremmie pipe showed a cement top of 1,303 feet bls. For STAGE 2 an additional 100 barrels of cement with a 12% bentonite gel additive were pumped via tremmie pipe into the intermediate casing annulus. The resulting temperature log showed a cement top of 1,134 feet bls, while a physical tag of the cement top was 1,113 feet bls.

Activities expected next week: Continue the cement grouting of the intermediate casing to land surface, conduct a cement bond log (CBL), trip in with the drilling bit and begin pilot hole drilling to an approximate depth of 3,200 feet bls.

Find Attached: Daily Construction Activity Reports and pad monitor well water quality data.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 31
From: 01/04/2008 – 01/10/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of January 4 through January 10, 2008. During the past week, Youngquist Brothers Inc. completed the installation and grouting of the deep injection well (DIW-1) 34-inch intermediate casing, continued reverse-air drilling of the pilot hole and began the collection of the first core barrel sample at a depth of 1,961 feet bls.

On Thursday, January 4, YBI conducted the third stage of the grouting of the 34-inch diameter, 0.375-inch wall, steel intermediate casing at a seating depth of approximately 1,800 feet bls. A total of 157 barrels of Portland cement with a twelve (12) percent gel additive were pumped into the casing annulus. A temperature log was conducted following the curing of the cement pumped during Stage 3 and the cement top was estimated to be at approximately 791 feet bls and the physical tag using the end of the tremmie pipe determined a cement top at 803 feet bls. A total of 156 barrels of Portland cement with a 12 percent additive were pumped via tremmie pipe at a rate of 2.0 barrels per minute were utilized during the fourth stage of the casing grouting. The resulting temperature log showed a cement top of 565 feet bls, while a physical tag of the cement top was 568 feet bls.

On Friday, January 5, the fifth stage of cementing of the intermediate casing consisted of a total of 156 barrels of Portland cement with a 12 percent bentonite additive was pumped via tremmie pipe into the annulus. The cement bond with variable density log was conducted on January 6 in order to determine the integrity of the grout emplacement and its ability to prevent fluid

migration in the annulus and stabilize the intermediate casing. Following the completion of the cement bond log, the sixth and final stage of cementing of the intermediate casing was conducted with a total of 307 barrels of cement. A full cement return was observed at land surface.

On Monday, January 7, after over twenty-four hours following the final grouting stage, YBI commenced reverse-air drilling of the pilot hole with a 12.25-inch tricone bit. The top of the cement plug at the bottom of the casing was tagged at a depth of 1,796 feet bls. Throughout January 8, reverse-air drilling of the deep injection well pilot hole continued, beginning at an approximate depth of 1,800 feet bls and continued through 1,940 feet bls. Airlift water quality samples were collected at approximately 1,830 and 1,890 feet bls.

Reverse-air drilling of the deep injection well pilot hole continued to an approximate depth of 1,961 feet bls during January 9. Airlift water quality samples were collected at approximately 1,950 feet bls. At a depth of 1,961 feet bls, the formation samples revealed a primary composition of dolomite and the formation was not producing water, therefore, it was determined that the first core barrel sample was to be collected at this depth. The 12-foot core sample extraction procedure began on January 10 using a 20-foot core barrel at an approximate depth of 1,961 feet bls, with an average drilling rate of one foot per hour. The core barrel was advanced ten feet by the end of the day.

Activities expected next week: Continuation of the collection of up to six core barrel samples between the approximate depths of 1,961 and 2,300 feet bls and reverse-air drilling of the pilot hole to an approximate depth of 3,200 feet bls.

Find Attached: Daily Construction Activity Reports and pad monitor well water quality data.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 32
From: 1/11/2008 – 1/17/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of January 11 through January 17, 2008. During the past week, Youngquist Brothers Inc. completed three cores through the intermediate confining unit of the Floridan Aquifer.

On January 11, YBI drilled the pilot hole to a depth of 2000 feet bls with a 12.25 inch tricone bit, utilizing reverse air drilling methods. The second coring attempt was then conducted across the interval from 2000 to 2015 feet bls.

January 12, The second core was extracted and revealed an 85% return in core material. YBI then tripped back in and resumed pilot hole drilling until the depth of the next coring interval was attained. The third coring attempt was conducted across the interval 2065 to 2080 feet bls. A water quality sample obtained from 2015 feet bls showed a conductivity of 41,000 µS/cm and a total dissolved solids (TDS) value of 26,500 mg/L.

On January 13, Drilling of the third coring attempt continued. The extraction of the core material followed, with 100% recovery in core material. Pilot hole drilling continued to a depth of 2120 feet bls. A water quality sample obtained from 2095 feet bls showed a conductivity of 22,400 µS/cm, and a TDS value of 11,180 mg/L.

On January 14, Pilot hole drilling continued to a depth of 2155 feet bls. A water quality sample obtained from 2135 feet bls showed a conductivity of 43,300 μS/cm and a TDS value of 21,700 mg/L.

On January 15, Pilot hole drilling continued to a depth of 2161 feet bls, in preparation for the fourth coring attempt across the interval 2161 to 2172 feet bls. Core drilling commenced at 2161 feet bls. A water quality sample obtained from 2157 feet bls showed a conductivity of 51,200 μS/cm and a TDS value of 25,600 mg/L.

January 16, The drilling of the fourth core was completed and the core material extracted, revealing approximately 55% recovery of the core material. YBI tripped back in the hole and continued pilot hole drilling to a depth of 2255 feet bls. A water quality sample obtained from 2255 feet bls showed a conductivity of 51,800 μS/cm, and a TDS value of 25,900 mg/L.

January 17, Pilot hole drilling continued to a depth of 2323 feet bls when there was a break in the drill rod, resulting in 713 feet of drill rod, collars, and drilling bit to be left free standing in the bottom of the pilot hole. The top of the broken rod was estimated to be at 1604 feet bls. YBI then tripped back in with a “fishing” tool they manufactured and were able to grab onto the top end of the broken drilling rod, pulling it up to land surface with out further incident. A water quality sample obtained from 2315 feet bls showed a conductivity of 52,300 μS/cm, and a TDS value of 26,100 mg/L.

Activities expected next week: Continue pilot hole drilling to an approximate depth of 3,200 feet bls.

Find Attached: Daily Construction Activity Reports and pad monitor well water quality data.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 33
From: 1/18/2008 – 1/24/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of January 18 through January 24, 2008. During the past week, Youngquist Brothers Inc. (YBI) continued reverse-air drilling of the 12.25-inch diameter deep injection well (DIW-1) pilot hole to an approximate depth of 2,877 feet below land surface (bls).

On January 18, YBI drilled the pilot hole to a depth of 2,345 feet bls with a 12.25-inch tricone bit, utilizing reverse-air drilling methods. During January 19, reverse-air drilling of the pilot hole continued to a depth of 2,466 feet bls. Airlift water quality samples were collected from depths of 2,377 and 2,437 feet bls and resulted in field measured specific conductivity values of 50,900 and 51,000 µS/cm, respectively, and both total dissolved solids (TDS) values were 25,500 mg/L.

On January 20, reverse-air drilling of the pilot hole was advanced to a depth of 2,677 feet bls by the end of the day. Beginning at an approximate depth of 2,500 feet bls it was determined that the strata was highly fractured and cavernous. Airlift water quality samples were collected at 2,557 and 2,677 feet bls and resulted in estimated specific conductivity values of 53,200 and 52,800 µS/cm and TDS values of 26,600 and 26,400 mg/L, respectively.

On January 21, drilling of the DIW-1 pilot hole continued to an approximate depth of 2,753 feet bls by the end of the day. The formation samples that were collected every ten feet, continued to reveal a strata composed of primarily hard, vuggy dolomite. The airlift water quality sample

collected at a depth of 2,737 feet bls resulted in a field measured conductivity value of 53,100 μS/cm and a TDS value of 26,500 mg/L.

Pilot hole drilling conducted during January 22 continued to a depth of 2,808 feet bls. Drilling progressed slowly due to the hard strata and formation debris falling into the pilot hole. An airlift water quality sample was conducted at 2,797 feet bls and the conductivity reading was 53,000 μS/cm and the TDS value was determined to be 26,500 mg/L.

During January 23, YBI temporarily halted drilling in order to inspect the integrity of their drill rods using a geophysical logging tool. Following the tripping out of the drill string, the drill bit was cleaned, a drill rod was replaced and then the drill string was tripped back into the pilot hole. By the end of the day, drilling had commenced and continued at a depth of 2,820 feet bls.

Throughout January 24, pilot hole drilling continued through dolomite to an approximate depth of 2,877 feet bls. An airlift water quality sample was collected at 2,877 feet bls and resulted in a specific conductivity value of 53,000 μS/cm and a TDS measurement of 26,500 mg/L.

Activities expected next week: Continue pilot hole drilling to an approximate depth of 3,200 feet bls followed by a full suite of geophysical logging to be conducted in the pilot hole.

Find Attached: Daily Construction Activity Reports, pad monitor well quality data.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 34
From: 1/25/2008 – 1/31/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of January 25 through January 31, 2008. During the past week, Youngquist Brothers Inc. (YBI) continued reverse-air drilling of the 12.25-inch diameter deep injection well (DIW-1) pilot hole to total depth of 3,198 feet below land surface (bls).

On January 25, YBI drilled the pilot hole to a depth of 2,996 feet bls with a 12.25-inch tricone bit, utilizing reverse-air drilling methods. During January 26, reverse-air drilling of the pilot hole continued to a depth of 3,065 feet bls. Airlift water quality samples were collected from depths of 3,037 feet bls and resulted in a field measured specific conductivity value of 54,500 and total dissolved solids (TDS) value of 27,200 mg/L.

On January 27, reverse-air drilling of the pilot hole was advanced to a depth of 3,090 feet bls by the end of the day. The strata continued to be highly fractured and cavernous. On January 28, the pilot hole was advanced to 3,130 ft bls. Airlift water quality samples were collected at 3,097 and 3,157 feet bls and resulted in estimated specific conductivity values of 54,600 and 56,800 µS/cm and TDS values of 27,300 and 28,400 mg/L, respectively.

On January 29, drilling of the DIW-1 pilot hole continued until total depth of 3198 ft bls was achieved. The formation samples that were collected every ten feet, continued to reveal a strata composed of primarily hard, crystalline dolomite. The airlift water quality sample collected at a

depth of 3,198 feet bls resulted in a field measured conductivity value of 57,700 μS/cm and a TDS value of 28,800 mg/L.

With pilot hole drilling concluded, YBI began a series of wiper trips up and down the open pilot hole. Over January 30 and 31, the wiper trips are utilized to clean out the bore hole, as well as knock any formation debris loose that may interfere with the geophysical logging equipment, producing in the process a pilot hole that is clear of all debris, with stable walls, conducive for geophysical logging.

Activities expected next week: Conduct a full suite of geophysical logs in the pilot hole, begin packer testing.

Find Attached: Daily Construction Activity Reports, pad monitor well quality data.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 35
From: 2/1/2008 – 2/7/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of February 1 through February 7, 2008. During the past week, Youngquist Brothers Inc. (YBI) prepared for, and conducted four packer tests across the lower confining unit of the deep injection pilot hole.

On February 1, YBI conducted geophysical logging of the pilot hole to a depth of 3,200 ft bls. The logs conducted included, XY caliper, gamma ray, dual induction, temperature and sonic BHC.

During February 2, YBI installed a straddle packer across the interval 1940-1970ft bls and began reverse air development of the interval at approximately 60 gpm.

On February 3, Packer Test 1 was conducted across the interval 1940-1970 ft bls. The interval was pumped at a rate of 32 gpm for 4 hours with an approximate drawdown of 63 ft bls revealing a specific capacity of 0.507 ft/ft of dd . Water quality samples obtained during the fourth hour of pumping showed a field conductivity measurement of 49,000 uS/cm, with a TDS of 24,700 mg/L. These samples were sent for further laboratory analysis.

On February 4, Packer Test 2 was conducted across the interval 1885-1915 ft bls. The interval was pumped at a rate of 21 gpm for 4 hours with an approximate drawdown of 106 ft bls revealing a specific capacity of 0.2 ft/ft of dd . Water quality samples obtained during the fourth

hour of pumping showed a field conductivity measurement of 45,000 uS/cm, with a TDS of 22,500 mg/L. The samples were sent for laboratory analysis.
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On February 5, Packer Test 3 was conducted across the interval 1990-2088 ft bls. The interval was pumped at a rate of 36 gpm for 4 hours with an approximate drawdown of 64 ft bls revealing a specific capacity of 0.6 ft/ft of dd . Water quality samples obtained during the fourth hour of pumping showed a field conductivity measurement of 52,400 uS/cm, with a TDS of 26,200 mg/L. These samples were sent for further laboratory analysis.

On February 6, Packer Test 4 was conducted across the interval 2130-2230 ft bls. The interval was pumped at a rate of 115 gpm for 4 hours with an approximate drawdown of 0.6 ft bls revealing a specific capacity of 189.8 ft/ft of dd . Water quality samples obtained during the fourth hour of pumping showed a field conductivity measurement of 53,900 uS/cm, with a TDS of 26,900 mg/L. The samples were sent for laboratory analysis.

On February 7, YBI brought the packer assembly out of the hole and began preparations for reaming activities. PBS&J submitted the final casing recommendation to FDEP for their approval.

Activities expected next week: Cement up the pilot hole in preparation for reaming activities, begin reaming the pilot hole to 34 inch diameter.

Find Attached: Daily Construction Activity Reports.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 36
From: 2/8/2008 – 2/14/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of February 8 through February 15, 2008. During the past week, Youngquist Brothers Inc. (YBI) prepared for, and initiated reaming activities for the final casing of the deep injection well

Over the week of February 8 to 14, YBI prepared the drilling rig for the reaming of the pilot hole for the final casing. PBS&J submitted a recommendation for final casing placement to FDEP on February 7. Based on the hydrogeologic data gathered, PBS&J recommended a casing setting depth of 2370 ft bls. On February 8 FDEP responded in agreement and approved the casing depth recommendation. Prior to initiating reaming activities, the pilot hole was cemented across the interval 2370-1800 ft bls to prevent the possibility of a divergent reamed borehole. Reaming of the pilot hole to 34-inches in diameter began on February 9 and continued to a depth of 2160 ft bls as of February 14.

Activities expected next week: Complete reaming activities for the final casing of the deep injection well.

Find Attached: Daily Construction Activity Reports, Shallow monitor water quality tables.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 37
From: 2/15/2008 – 2/21/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of February 15 through February 21, 2008. During the past week, Youngquist Brothers Inc. (YBI) continued reaming activities for the final casing of the deep injection well

Over the week of February 15 to 21, YBI continued reaming the pilot hole to a diameter of 32 inches until the approved casing setting depth of 2370 ft bls was achieved on February 17. YBI then reamed the pilot hole across the interval of 2370 ft to 2385 ft bls with the 26 inch reaming bit, in preparation for the casing shoe placement. On February 20, YBI continued reaming beyond 2385 ft bls with a 22 inch reaming bit. As of February 21, reaming activities had achieved a depth of 2650 ft bls.

Activities expected next week: Complete reaming activities for the final casing of the deep injection well.

Find Attached: Daily Construction Activity Reports, Shallow monitor water quality tables.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 38
From: 2/22/2008 – 2/28/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of February 22 through February 28, 2008. During the past week, Youngquist Brothers Inc. (YBI) continued reaming activities for the final casing of the deep injection well

Over the week of February 22 to 28, YBI continued reaming the open hole section of the pilot hole to a diameter of 22 inches from the depth last reported of 2650 ft bls to the achieved depth of 2950 ft bls. The pilot hole will be reamed to a total depth of 3200 ft.

Activities expected next week: Complete reaming activities for the final casing of the deep injection well, perform a suite of geophysical logs on the reamed borehole, install and grout the final 24 inch steel casing.

Find Attached: Daily Construction Activity Reports, Shallow monitor water quality tables.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 39
From: 2/29/2008 – 3/06/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of February 29 through March 6, 2008. During the past week, Youngquist Brothers Inc. (YBI) continued reaming activities for the final casing of the deep injection well

Over the last week YBI continued reaming the open hole section of the pilot hole to a diameter of 22 inches from the depth last reported of 2950 ft bls to the achieved depth of 3150 ft bls. The pilot hole will be reamed to a total depth of 3200 ft.

Activities expected next week: Complete reaming activities for the final casing of the deep injection well, perform a suite of geophysical logs on the reamed borehole, install and grout the final 24 inch steel casing.

Find Attached: Daily Construction Activity Reports, Shallow monitor water quality tables.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 40
From: 3/07/2008 – 3/13/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of March 7 through March 13, 2008. During the past week, Youngquist Brothers Inc. (YBI) continued reaming activities and installed the final 24 inch steel casing of the deep injection well.

From March 7 through March 8: YBI continued with reaming activities to the completed depth of 3200 ft bls, following the completion of reaming the borehole, an XY caliper log was conducted to profile the reamed borehole to obtain adjusted borehole volumes (ABHV) for the purpose of cementing the annulus from 2370 ft bls to land surface. On March 9 and 10: YBI installed the 24 inch steel final casing. On March 11: YBI conducted a field packer test to determine the integrity of the welds and casing seat before moving forward with the cement grouting process. It passed to YBI's satisfaction and they commenced on March 12 with the casing plug cementing. On March 12 two, of the three, plug stages, denoted A and B were performed, the first A consisted of 1 barrel of gravel then overlain with 2 barrels of 100% neat Portland cement. Stage B consisted of 2 barrels of 100% neat cement. On March 13, YBI performed one last plug stage, Stage C which consisted of 2 barrels of 100% neat cement. After adequate curing time had elapsed YBI commence with Stage 1 of the cementing of the final casing, consisting of 17 barrels of 100% neat Portland cement. A temperature tag of this Stage 1 cement showed a cement top of 2328 ft bls, which was confirmed by a physical tag of 2326 ft bls, resulting in 42 feet of cement fill between the cement plug and Stage 1 of the cementing process.

Activities expected next week: grout the final 24 inch steel casing, conduct the CBL log and perform the casing pressure test.

Find Attached: Daily Construction Activity Reports, Shallow monitor water quality tables.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 41
From: 3/14/2008 – 3/20/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of March 14 through March 20, 2008. During the past week, Youngquist Brothers Inc. (YBI) has cemented the final casing of the deep injection well.

On March 14: The cement top tag from the previous cementing stage, STAGE 1, was 2328 ft bls. STAGE 2, consisting of 30 barrels of 100% neat Portland cement was pumped into the annulus and allowed to cure. STAGE 2 resulted in a lift of 58 ft and a tag at the top of cement at 2270 ft bls. STAGE 3, consisted of 184 barrels of 12% gel additive cement pumped into the annulus resulting in a 121 ft of lift and a cement top tag of 2149. This was significantly less than the theoretical lift of 400 feet that was projected for this stage, which was due to an open section in the borehole wall encountered at 2150 ft bls. The formation “drank” the majority of the cement lift. To proceed YBI utilized smaller lifts of 50 barrels until the void was surpassed. STAGE 4 of the cement lift consisted of 50 barrels of 12% gel additive cement, resulting in 15 ft of lift and a cement top tag of 2134 ft bls.

On March 15: YBI pumped STAGE 5 of the cementing of the DIW-1, which consisted of 50 barrels of 12% gel additive cement, resulting in a 4 ft lift and a cement top tag of 2130 ft bls. STAGE 6 was pumped next and consisted of 50 barrels of 12% gel additive cement, resulting in 24 ft of lift and a cement top tag of 2106 ft bls.

On March 16: The 7th STAGE of cementing was conducted comprised of 125 barrels of 12% gel additive cement, which resulted in a lift of 138 ft in the annulus and a cement top tag of 1968 ft bls. STAGE 8 was pumped next and consisted of 125 barrels of 12% gel additive cement, which resulted in a lift of 145 ft in the annulus and a cement top tag of 1823 ft bls.

On March 17: STAGE 9 was pumped into the annulus consisting of 195 barrels of 12% gel additive cement resulting in a lift of 321 ft in the annulus and a cement top tag of 1502 ft bls.

On March 18, YBI pumped the 10th STAGE of cement in the DIW, consisting of 195 barrels of 12% gel additive cement, resulting in a lift of 408 ft and a cement top tag of 1094 ft bls. STAGE 11 was pumped next, consisting of 195 barrels of 12% gel additive cement, resulting in a lift of 336 ft and a cement top tag of 758 ft bls.

On March 19, STAGE 12 was pumped, consisting of 220 barrels of 12% gel additive cement, resulting in a 436 ft lift in the annulus, and a cement top tag of 322 ft bls.

On March 20, YBI performed the Cement Bond Log (CBL) on the 24 inch steel casing of the DIW-1. STAGE 13 was then pumped into the annulus, consisting of 114 barrels of 12% gel additive cement, then 57 barrels of neat cement bringing the cement to land surface.

Activities expected next week: perform the casing pressure test, developing the well prior to background water quality sampling

Find Attached: Daily Construction Activity Reports, Shallow monitor water quality tables.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 42
From: 3/21/2008 – 3/27/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of March 21 through March 27, 2008. During the past week, Youngquist Brothers Inc. (YBI) has conducted the final casing pressure test on the DIW-1.

On March 21: After the completion of the cementing phase of the casing installation on March 20, YBI tripped in the well with the 2 inch tremmie pipe to facilitate the cooling of the casing by circulating the hot fluids inside of the well casing in preparation for preliminary casing pressure testing.

On March 22: YBI tripped in the well with the packer assembly, and pressurized the well head. They then performed several preliminary pressure tests at approximately 150 psi. The preliminary pressure tests passed with in allowable limits, and the well head was shut in until the official pressure test was performed.

On March 23: Demobilization of the drilling site began.

On March 24: The pressure test was performed and passed at 156.5 psi with 1 psi pressure loss, which is within the allowable 5% pressure change set by FDEP.

On March 25, YBI tripped back in with the drill rod and developed the open hole section in preparation for background water quality sampling. YBI developed out 3 drill rod volumes and 1

open hole volume during development. The background water quality samples were collected by YBI and taken to Sanders Laboratories for annalysis.

On March 26 and 27, Demobilization of the Lehigh Acres DIW site continued. The drilling rig was taken off the well head and all essential drilling equipment was loaded for transport.

Activities expected next week: perform geophysical logging suit consisting of: video, temperature, gamma ray and RTS test.

Find Attached: Daily Construction Activity Reports, Shallow monitor water quality tables, Pressure test table.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 43
From: 3/28/2008 – 4/3/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of March 28 through April 3, 2008. During the past week, Youngquist Brothers Inc. (YBI) has conducted the final geophysical logging and the Radioactive Tracer Survey (RTS) Test on the DIW-1.

On March 28-30: Demobilization of the drilling rig and related drilling equipment continued, and preparations for the final suite of geophysical logs and the RTS test began.

On March 31: YBI conducted the background temperature and Gamma Ray logs of the well. Prior to the logs a fresh water "bubble" was pumped into the well at a rate of approximately 180 gpm, with a total of 150,000 gallons pumped down the well. YBI attempted to conduct a video log of the well, but the conditions proved too cloudy to see the formation clearly, and it was theorized that clarity would improve with further pumping at a higher rate.

On April1, YBI after pumping an additional 63,000 gallons at a rate of 300gpm conducted a video log of the DIW-1. After the completion of the video log, YBI was able to then conduct the RTS test. PBS&J personnel were on site to witness the calibration tool and testing of the well with the Iodine 131 radioactive isotope. The gamma ray tool was loaded with 3 millicuries (1 for each test plus, 1 extra) of the radioactive Iodine, then the tool was set with the ejector at 2370 ft bls, which was 5 feet from the bottom of the casing. As the Iodine was released the detectors below the ejector showed the travel rate of the isotope down the well. Both the hour and half

hour long tests were conducted with no anomalies and no detection of radiation by the top detector.

On April 2 and 3, Demobilization of the Lehigh Acres DIW site continued.

Activities expected next week: Continued demobilization and site remediation.

Find Attached: Daily Construction Activity Reports, Shallow monitor water quality tables.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 44
From: 4/4/2008 – 4/10/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: David Huff (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of April 4 through April 10, 2008. During the past week, Youngquist Brothers Inc. (YBI) has completed demobilization of the drilling rig and all related equipment from the DIW-1 site. The piping and pumps were installed at the well head of the DIW-1 in preparation for the Injection Test, scheduled for April 17.

On April 10, the latest water quality report for the shallow monitor wells was distributed by Sanders Laboratories Inc. and showed a marked increase in all parameters by a factor of 10. YBI was notified immediately and stated that remediation measures would be implemented consisting of installing a centrifugal pump at the SMW-2 well head and pumping the exposed water column to bring the water quality parameters back down to background levels.

Activities expected next week: Conduct the Injection Test for DIW-1.

Find Attached: Daily Construction Activity Reports, Shallow monitor water quality tables.

TAC WEEKLY CONSTRUCTION REPORT

Lehigh Acres Class I Deep Injection Well
FDEP Class I Injection Well Permit No. 48064-078-UC
PBS&J Project No. 071200.90

Report No. 45
From: 4/11/2008 – 4/17/2008

TO: David Rhodes (FDEP- Ft. Myers)
Joe Haberfeld (FDEP- Tallahassee)
Steve Anderson (SFWMD- West Palm Beach)
Ron Reese (USGS- Miami)

CC: Tarek Fahmy (FGUA)
Mike Micheau, P.G. (PBS&J)
Marc Walch (PBS&J-Orlando)
Tom Farkas, P.G. (PBS&J)

This is the Lehigh Acres deep injection well TAC construction report for the week of April 11 through April 17, 2008. During the past week, Youngquist Brothers Inc. (YBI) has completed the Injection Test at DIW-1.

On April 17, the Injection Test was conducted at the DIW-1 well. Reclaimed water from the chlorine contact chamber of the water reclamation facility (WRF) was injected into the DIW-1 at an average rate of approximately 1,250 gpm for the first 9 hours of the 12 hour test. During the last three hours of the rest, reclaimed water was injected at an average approximate rate of 1,650 gpm. The average pressure observed at the well head on the DIW-1 for the test duration was 19.00 psi which was within 1 psi of the background value, indicating the well has a very high hydraulic injection capacity. A total of approximately 960,000 gallons of reclaimed water were injected at the DIW during the 12-hour test.

The water quality values for Chloride and Specific Conductance at SMW-2 have declined over the last week back to 795 mg/L chloride and 3,050 uS/cm for specific conductance. These values are still above background levels for these parameters. YBI will implement a plan this week to set a pump at SMW-2, disposing of the discharge water by tanker truck, until background levels are reached at this well. They will be utilizing a 1.5 hp external pump at a discharge rate of approximately 10 gpm.

This is the final TAC report for the Lehigh Acres DIW-1 Project.

Find Attached: Shallow monitor water quality tables.

APPENDIX C

Daily Construction Reports

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: Thursday, MAY 17,2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: SITE MOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
1112	MR onsite at Lehigh Acres Deep Injection Well site, meet with Terry Briggs (STES) on the way into the site, received the gate code, and confirmed construction plans for the WTF (electrical and utilities being brought onsite for the project) Onsite- equipment is being mobilized into place, containment pad for LZMW-1 is completed as is containment for the mud system, the pilot pit holes for UZMW and LZMW are in place with sumps, water supply well is drilled to 140 feet bls and cased to 118 ft bls with 4 inch PVC and 100% neat cement.
1210	Call placed to TF to update him
1215	YBI lunch
1245	YBI return to work
1330	Pad wells installed to 20 feet bls with a 2 inch PVC casing, 10 feet of screen and 10 feet of solid casing, sanded and grouted into place with 100% neat cement.
1415	MR offsite, enroute to Tampa office

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Tuesday, MAY 29,2007** **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: SITE MOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
703	MR onsite to the Lehigh Acres DIW site, mobilization continues, pilot hole drilling for the pit casing
815	TF called , he is enroute to the site
905	TF onsite, site walk through with Mike (YBI)
1215	Start borehole drilling for pit casing at LZMW-1
1248	Stop drilling at 9ft bls
1415	Resume drilling
1438	Stop drilling at 15 ft bls
1446	Resume drilling- electrical problems with the sump pump persist
1522	Stopped drilling at 20 ft for welding activities connected to drilling
1640	Drilling resumes at 20ft
overnight	Drilled to 60 ft bls, progress is slow due to non operational retro fits to the rig, YBI will work out the bugs..

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Wednesday, MAY 30,2007** **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: SITE MOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
732	MR onsite, updated by YBI (Mike) as to over night drilling activities
900	Repair work on the YBI retro fits to the Schramm rig continue
1102	Updated TF on all issues
1345	Repairs done, rod change at 60 feet bls, using at 34.5 inch bit
1402	Began drilling at 60 feet bsl
1455	Stopped Drilling at 80 feet bls
1512	Resumed drilling
1610	Drilling stopped due to leaking bushings in the top head drive, rig is down for repairs
1620	Updated TF on all issues
1638	Resumed drilling at 75 feet bls
1742	Stopped drilling at 85 feet bls, top head bushings continued to leak
1756	Resume drilling
1815	Rod change at 90 feet bls
1842	MR offsite
Overnight	Drilling continued to a depth of 110 feet bls, TD for the pit casing, mud was then circulated in the hole for several house, and the drill rod was tripped out

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, MAY 31,2007** **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: PIT CASING**

CHRONOLOGY

TIME	COMMENTS
732	MR onsite, YBI gave an update on last nights work
946	All rods have been tripped out of the hole
951	Two pieces of 40 foot, 26 inch casing and one piece of 34 foot, 26 inch casing are hung and butt welded together
1223	Tremmie pipe and pressure headed are installed on the pit casing
1349	YBI cement crew onsite and setting up to cement in pit casing
1437	Begin pumping in 100% neat cement, theoretical volume is 422.35 sacks
1505	Cementing complete, full return witnessed at land surface total cement used is 83 barrels
1801	MR offsite
Overnight	YBI continued to work on the rig and do drill yard maintenance

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JUNE 1,2007** **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: SITE MAINTENANCE**

CHRONOLOGY

TIME	COMMENTS
738	MR onsite, YBI is cutting excess pit casing to fit below the drill table.
930	Drill yard maintenance continues, the radiator on the mud pump is dismantled for repair
1342	Heavy rain is slowing work on welding projects around the site
1645	MR off site
Overnight	YBI continued to work on the rig and do drill yard maintenance

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: FRIDAY, JUNE 2,2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
1530	MR onsite, YBI is tripping in to circulate " hot" mud with in the pit casing
1800	Rod change at 100 feet bls, drilling on the cement plug begins
1816	Drilling with 12.25 inch bit at 115 ft bls
1951	Drilling at 125 feet bls
2012	Stop drilling, weld on the top head drive has split, repairs are necessary before resuming
2053	Resume drilling
2100	MR offsite
Overnight	Drilled to a depth of 210 feet bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JUNE 2,2007** **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
728	MR onsite, YBI currently drilling at 217 feet bls
742	Rod change at 220 feet bls, drilling stopped to fit a temporary rubber gasket to the top of the pit casing to prevent open flow into the containment pad
1017	Resume drilling at 225 feet bsl
1128	Stop drilling due to leaking rubber gasket
1242	Resume drilling at 230 feet bls
1337	Rod Change at 250 feet bls
1423	Currently drilling at 250 feet bls
1459	Rod change at 280 feet bls
1531	Currently drilling at 290 feet bls
1533	Rod change at 310 feet bls
1652	Currently drilling at 315 feet bls
1720	Rod change at 340 feet bls
1812	Currently drilling at 355 feet bls
1853	Rod change at 370 feet bls, talked with TF, YBI is planning to TD over night, TF wants personel onsite after the Suwannee through the possible loss of circulation or TD, YBI will contact me when they enter the Suwannee

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JUNE 4,2007** **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
315	Call from YBI they have drilled into the Suwannee at approximately 480 feet bls, MR enroute to the site
330	MR onsite, YBI is drilling at 520 feet bls, after examining the samples, we are not in the Suwannee, more likely the Lower Hawthorn, the formation is Limestone, chalky, sandy, with phosphate grains and clayey.
615	Rod change at 580 feet bls, talked with YBI driller about not stopping till after 700 is obtained
727	Rod change at 610 feet bls
1132	Rod change at 700 feet bls
1225	Rod change at 730 feet bls
1328	Rod change at 760 feet bls, will drill to 780 feet bls
1421	Total depth obtained at 780 feet bls, competent limestone, with little shell or clay encountered
1452	Well is flowing, kill mixed with bentonite and a weight additive, then the drill rod is tripped out
1804	MR off site till geophysical logging

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JUNE 5,2007** **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY:GEOPHYSICAL LOGGING**

CHRONOLOGY

TIME	COMMENTS
805	YBI called geophysical is onsite
832	MR onsite, geophysical logging begins with caliper gamma tool in the hole
914	Caliper tool out
934	In with Dual Induction tool
1007	In with sonic BHC tool
1038	Out of the hole with the BHC sonic
1116	Geophysical logging complete
1330	Talked with YBI, deviation survey already run in the pilot hole every 90 ft
1400	Monthly site meeting at the site
1530	Meeting over , YBI is working in the yard preparing to ream the hole
1635	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: FRIDAY, JUNE 6,2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY:REAMING**

CHRONOLOGY

TIME	COMMENTS
	YBI is reaming the pilot hole for the intermediate casing if LZMW-1

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: FRIDAY, JUNE 7,2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY:REAMING**

CHRONOLOGY

TIME	COMMENTS
	YBI is reaming the pilot hole for the intermediate casing if LZMW-1
Overnight	The reamed hole is completed to 680 feet bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, JUNE 8,2007** **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: SITE MAINTENANCE**

CONSTRUCTION MATERIAL DELIVERED TO SITE

QUANTITY	UNIT	DESCRIPTION

CHRONOLOGY

TIME	COMMENTS
	Site Maintenance continues: preparations for reverse air drilling

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, JUNE 9,2007** **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: CASING INSTALL**

CONSTRUCTION MATERIAL DELIVERED TO SITE

QUANTITY	UNIT	DESCRIPTION
7	40 FT	16" STEEL CASING
200	barrels	Additional Cement (dry)

CHRONOLOGY

TIME	COMMENTS
0715	Michelle R. on site, YBI geophysical logging on site and in borehole with caliper/gamma tool. YBI personal onsite: Mike Wilson, Bill (Driller), (Driller), drill hands (4). FGUA inspector on site: Tim Rapp
0753	Geophysical logging complete, 3 field copies and PDF are given to PBSJ personnel
0835	Inspect 10 pieces of 16" steel casing on site, record heat numbers and lengths written on casing wall, thickness = .5 in, all heat numbers match
0920	Talked with Tom F, discussed geophysical results, casing installation, cementing.
0940	Remainder of casing arrives onsite: 7 pieces of 40 ft, 16 inch steel casing, perform inspection and all but 1 heat number match, Mike will get me information on the 1 heat number that doesn't match, record all casing heat numbers and lengths total available casing = 682.1 feet
1015	Go over cement calculations, ABHV taken from the caliper log is 288 barrels. From the bottom to 20ft bls, approximate ABHV is 295 barrels. After discussion with Mike W., the formation is expected to "drink", so more cement volume will be planned. He no longer expects just one cement stage
1042	Clay Ferguson (YBI) arrives onsite
1108	5 ft riser piece of casing is hung in the table
1150	Additional dry cement truck arrives onsite; additional cement crew onsite
1155	Casing #1 hung to be welded
1227	Welding casing to 5 ft riser
1242	Weld Complete
1254	2nd casing hung to be welded
1254	YBI's Tim Youngquist and Brett Youngquist onsite; FGUA inspector off site
1324	Weld completed on 2nd casing
1330	3rd casing hung to be welded
1348	Weld completed
1352	4th casing hung to be welded
1418	Weld completed
1423	5th casing hung to be welded
1457	Weld completed
1500	6th casing hung
1514	Weld completed
1525	7th casing hung to be welded
1540	Weld complete; second cement load on site
1546	8th casing hung to be welded

1558	Weld complete
1608	9th casing hung
1618	Weld complete
1621	10th casing hung to be welded
1637	Weld complete
1642	11th casing hung to be welded
1655	Weld complete
1658	12th casing hung to be welded
1714	Weld completed
1716	13th casing hung to be welded
1736	Weld completed
1741	14th casing hung to be welded
1749	Weld completed
1753	15th casing hung to be welded
1809	Weld completed
1816	16th casing hung to be welded
1822	Weld completed
1836	17th casing hung to be welded
1857	Michelle R. off site until cementing activities

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: FRIDAY, JUNE 10, 2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: Geophysical Logging**

CHRONOLOGY

TIME	COMMENTS
10:00	YBI called, geophysical logging will be onsite in 45 mins
11:05	MR onsite, geophysical is onsite and setting up, talked with Mike W he states that the cement pump is fixed and should be ready for this afternoon to deliver the remainder of the cement into the annulus
1142	Cement top Temp Log Begins
1215	Cement Bottom 671 feet bls inside the casing
1230	Temp log done
1242	MR offsite till tremmie groutinig
1512	MR onsite for grouting
1645	Tagged cement top at 257 ft bls, but does not show on temp log (407 top on log), three different tremmie runs were conducted and all three had cement top at 257 ftbls, theoretical for cement calc for remaining open annulus is 126 barrels
1655	Began pumping cement, 100% neat, into the annulus
1700	40 barrels gone, 5.5 b/m
1705	65 barrels gone
1710	90 barrels gone, 5.7 b/m
1712	118 barrels of cement used, with 1 barrel of chase water; cementing of the intermediate casing is complete.
1730	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: FRIDAY, JUNE 11, 2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: SITE MAINTENANCE**

CHRONOLOGY

TIME	COMMENTS
	Construction and maintenance continue onsite to prep for reverse air drilling

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: FRIDAY, JUNE 12, 2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: SITE MAINTENANCE**

CHRONOLOGY

TIME	COMMENTS
	Construction and maintenance continue onsite to prep for reverse air drilling

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: FRIDAY, JUNE 13, 2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: SITE MAINTENANCE**

CHRONOLOGY

TIME	COMMENTS
915	MR onsite, YBI is tripping in the hole to the bottom
1114	Talked with Mike W, about setting up specific capacity testing protocol, staff gauge in the mud pit, menometer on the mast
1122	MR off site
2028	MR onsite, after a call from YBI stating that they are beginning to drill on the cement plug, they are changing a rod at 709 feet bls
2307	Rod change at 739 feet bls, Specific capacity test conducted, water quality tests conducted, SWL obtained
301	Rod change at 769 feet bls
310	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: FRIDAY, JUNE 14, 2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
708	Called and talked to Mike W with YBI, he states that overnight the pilot hole was drilled to 799 feet bls and a specific capacity test was conducted
1022	MR onsite, no footage has been made due to sand intrusion still developing out and dredging sand at 790 feet bls
1115	Updated TF
1217	Stop drilling due to top head leaking, repairs are conducted
1321	MR off site
2206	Mike called, YBI, he states the will has come alive as they were tripping out, they mixed a kill to finish tripping out; the bit needs to be cleaned out and tripped back in

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: FRIDAY, JUNE 15, 2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
930	YBI called they have continued to drill 30 feet, are currently changing a rod at 830 feet bls
945	MR onsite, updated TF
1042	During drilling at 859 feet bls sand was encountered again, rig got clogged and they pulled up to 770 feet bls, the sand chased up and YBI began drilling at 770 feet bls
1238	Continued dredging at 800 feet bls
1312	Rig has shut down due to a bad coupling in the return pump, parts and repairs are needed
1340	Confirmed specific capacity procedures with the driller for future tests
1502	Coupling fixed back to dredging at 800 feet bls
1630	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, JUNE 16, 2007** **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: TOLLIVER** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
700	CT onsite, YBI continues to dredge at 780- 790 ft bls, dredging was conducted in this interval all night.
900	Continue dredging at 780-790 ft bls, CT off site until dredging has progressed, CT remains in contact with the Drilling Superintendent
1200	Talked with Mike W. (YBI), continue dredging at 780 ft bls
1500	Talked with Mike W. (YBI), continue dredging at 780 ft bls
1800	Talked with Mike W. (YBI), continue dredging at 780 ft bls; approximately 6-8 yd3 of sand removed from the well today, discussed with Mike W. to possibility of switching to mud, YBI is not interested in switching to mud then back to air due to the high likelihood that the sand would collapse back in and trap the bit.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: SUNDAY, JUNE 17, 2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: TOLLIVER** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
830	CT onsite, YBI continues to dredge at 780- 790 ft bls, dredging was conducted in this interval all night.
900	Talked with Mike W. (YBI), he states that if no footage is made today they will get a larger air compressor onsite (from 375 to 900 CFM), in an attempt to increase airline pressure and dredge the zone more quickly.
1230	CT off site, dredging continues at 780 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078 -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: MONDAY, JUNE 18, 2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
837	MR onsite, YBI continues to dredge sand from 780 feet bls.
1224	Talked with Mike W (YBI) about alternatives to continued dredging, drilling with mud, installing a liner.
1442	MR offsite, dredging continues, a larger capacity compressor is onsite, and additional airline is installed, returned to dredging
2132	Mike W. (YBI) called the compressor is working and an additional 20 was made to 800 ft bls
2148	MR onsite
0050	Soon after arriving onsite the system began to cavatate and sand continued to come in before the rod could be changed. The string was pulled back up to 770 ft where dredging continued
0108	YBI continues to dredge at 790 ft bls
0115	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: TUESDAY, JUNE 19, 2007 **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
930	MR onsite, YBI continues to dredge sand from 790 feet bls.
1425	Rod change at 800 ft bls, dredging continues, made footage to 810 ft bls previously today but filled in, footage that's achieved, is not being maintained
1815	MR offsite, dredging continues at 800 ft bls, YBI will dredge through the night

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. -UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, JUNE 20, 2007** **SHIFT NO. 1** FROM **0700** TO **1900** **GEOLOGIST: REGON** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
742	Talked with YBI, after overnight discussions YBI has decided to stop drilling activities, to prevent further washing out the hole, until a meeting can be held with all interested parties to determine how to proceed with drilling the hole.
810	Talked with TF about how no footage was made overnight and about YBI decision to stop drilling
925	The site is shutting down, the drill bit has been pulled up inside the casing to protect it from any heaving sand activity, site maintenance begins, the mud pit is emptied of all cuttings
934	MR onsite to meet with Tim Rapp and Mike W to go over the pay request for this month
1142	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JUNE 21, 2007** **SHIFT NO. 1** FROM **0800** TO **1700** **GEOLOGIST: REGON** **ACTIVITY: DISCONTINUE DRILLING LZMW**

CHRONOLOGY

TIME	COMMENTS
830	MR onsite to work on paperwork, YBI continues to shut down the site, pull drill rod out of the hole; grade the site.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: FRIDAY, JUNE 22, 2007 **SHIFT NO. 1** FROM **0800** TO **1700** **GEOLOGIST: REGON** **ACTIVITY: DEMOBILIZE**

CHRONOLOGY

TIME	COMMENTS
830	MR at Tampa office. YBI begins to demobilize from lower zone monitoring well site (LZMW).

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: MONDAY, JUNE 25, 2007 **SHIFT NO. 1** FROM **0800** TO **1700** **GEOLOGIST: REGON** **ACTIVITY: EMERGENCY MEETING**

CHRONOLOGY

TIME	COMMENTS
1002	MR onsite to complete pay requests. YBI continues to demobilize LZMW-1.
1100	Mike Micheau (MM) and Tom Farkas (TF) arrive onsite for emergency meeting with FGUA, FDEP, PBS&J and YBI at 1330.
1330	Meeting commences, notes and attendance taken (MR). Mike discussed the background of the project and the current situation and TF outlined the options for future construction of LZMW-1. Three alternative options were discussed. Option 1: Drill mud rotary method to 1200 feet on current LZWM hole. Option 2: Flip-flop the well locations of the current lower zone monitoring well (LZMW) with the upper zone monitoring well (UZMW) location. Option 3: Construct a dual zone monitoring well at UZMW site.
1530	Meeting concluded with FGUA, FDEP, PBS&J and YBI unanimously agreeing that option 2 is the most viable. FGUA gives YBI the go ahead to mobilize to UZMW site and begin the construction of the LZMW-1.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: TUESDAY, JUNE 26, 2007 **SHIFT NO. 1** FROM **0800** TO **1700** **GEOLOGIST: REGON** **ACTIVITY: MOBILIZATION TO LZMW**

CHRONOLOGY

TIME	COMMENTS
0830	Mobilization to the new LZMW-1 site begins. MR is working out of the trailer onsite.
	34-inch casing for the deep injection well (DIW) is delivered (no paperwork).

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1**
	DATE: WEDNESDAY, JUNE 27, 2007 **SHIFT NO. 1** FROM **0800** TO **1700** **GEOLOGIST: REGON** **ACTIVITY: MOBILIZATION TO LZMW**

CHRONOLOGY

TIME	COMMENTS
0900	Mobilization to LZWM-1 continues. Delays were encountered with welding due to rain. YBI states that they will begin drilling tomorrow (Thursday, 06/28) evening. 16-inch steel casing for the intermediate LZMW casing arrives.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JUNE 28, 2007** **SHIFT NO. 1** FROM **0800** TO **1700** **GEOLOGIST: REGON** **ACTIVITY: MOBILIZATION TO LZMW**

CHRONOLOGY

TIME	COMMENTS
0900	Mobilization to LZWM-1 continues. Drilling will commence tomorrow morning, Friday, June 29.
	Melissa Gunter is onsite. Steel piping system rerouted to and from the mud tanks. YBI installs additional shakers with finer mesh screens.
1940	Bentonite delivery to site. Mud for the mud rotary drilling will be mixed during the evening.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JUNE 29, 2007** **SHIFT NO. 1 FROM 0700 TO 1830** **GEOLOGIST: REGON** **ACTIVITY: BEGIN DRILLING LZMW**

CHRONOLOGY

TIME	COMMENTS
0700	MR and MG onsite. Spoke with Mike Wilson, five pallets of bentonite (delivered last night) were mixed for drilling.
0815	Spoke with Mike W., waiting on a part and for the welder to weld the fins on the stabilizer rod and then YBI will be ready to begin drilling.
1050	Began turning the stabilizer rod. Mike W. provided mill certificates for the 26-inch surface pit casing; verified the pit casing heat numbers and lengths.
1129	Drilling at 10 feet, welding two sets of fins on the stabilizer. YBI collected a formation sample from 0 to 10 feet.
1200	MR leaves site until Monday, July 9th, 2007.
1425	YBI completed the welding of the second set of three fins and continued to drill.
1435	YBI collected and delivered the second formation sample, 10-20 ft.
1450	Welding third and last set of fins on the stabilizer rod.
1610	Welding of the final set of fins is completed.
1630	Third formation sample (20-30 ft.) is delivered.
1653	Began drilling with second drill rod.
1709	Delivery of formation sample, 30-40 ft.
1828	Delivery of formation samples, 40-60 ft. Drilling stopped due to rain and lightning.
2100	MG returned to site and drilling had resumed.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, JUNE 30, 2007** **SHIFT NO. 1** FROM **0800** TO **1700** **GEOLOGIST: GUNTER** **ACTIVITY: 26-in PIT CASING - LZMW**

CHRONOLOGY

TIME	COMMENTS
0810	Reached total depth for the surface pit casing (original estimate 115 ft), which was calculated by Mike Wilson (YBI) as 118 feet from the pad level. The 26-inch casing will be installed to approximately 116 ft. The plan is to circulate, trip out and install three pipe lengths of pit casing. 26-inch casing: Rod 1: 40.18 ft, HN 00804 Rod 2: 40.18 ft, HN 012204 Rod 3: 43.27 ft (extra length used during cementing phase; will be removed) HN 011703
0934	Welders begin removal of the stabilizer fins. Drill rod and 26-inch casing tally and length measurements provided by Mike W.
1003	Welders continue with the removal of the second set of fins.
1035	Removal of third set of fins begins.
1122	Beginning mobilization of surface casing.
1153	Began welding segments two and three of the casing together. The third casing pipe had to be cut in half prior to placement in the ground. The original pipe (length 43.27 ft) when hung vertically would be too long thus not providing enough space to load vertically and for the welders to be able to work.
1339	Welding on of the third segment of casing began.
1438	Final segment of third casing welded, mobilizing for cement phase.
1556	Four ~30 foot pipe segments were inserted into the 26-in casing for pressure grouting. Theoretical volume of 58 barrels of 100% neat cement was calculated based on a borehole diameter of 34.5-in, a casing diameter of 26 inches and a depth of 116 feet.
1642	The cementing of the 26-in casing was completed right as the rain and lightning began. 120 barrels of cement were utilized and chased with 2.5 barrels of water. Jason (YBI) viewed return of cement into the cutting disposal tank. Final pressure was reported at approximately 25 psi.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, JULY 1, 2007** **SHIFT NO. 1** FROM **0800** TO **1000** **GEOLOGIST: GUNTER** **ACTIVITY: PRESSURE GROUTING SURFACE CASING**

CHRONOLOGY

TIME	COMMENTS
0800	MG onsite. YBI removed the four pipes from the casing that were utilized during pressure grouting. Spoke with Mike Wilson, although cementing was completed yesterday on the 26-in casing, he is going to top it off with an additional 3 ft of cement this morning in order to provide extra protection from saltwater intrusion during future drilling. He plans on mixing mud for mud drilling and is arranging for a welder to trim the casing. Drilling is expected to resume tomorrow morning (July 2).
1245	A welder is on-site to trim the portion of the casing above ground level. Due to inclement weather, welding is unable to be accomplished. Only two workers from the night crew stayed onsite.
2115	Welder began to trim the excess pipe.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, JULY 2, 2007** **SHIFT NO. 1** FROM **0800** TO **2000** **GEOLOGIST: GUNTER** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
0800	YBI is preparing the rig for drilling. MG is cleaning and identifying formation samples.
0954	Hanging of the collar (diameter 11 in), which adds extra weight behind the drill bit thus stabilizing the drilling process and the pilot hole. Will trip in 3 collars and then the drill rods. Mike Wilson went to the Youngquist shop to pick up another 12.25-in mill-tooth drill bit. Bill is planning on mixing up new mud and needs to flush the line because due to heat and since the mud was sitting in the line during the cementing phase, the consistency is too thick. Will begin drilling at approximately 118 ft and continue until 1,200 ft.
1149	Loaded the three collars totaling 90 ft into the pilot hole. The drill rod is hanging as preparation for drilling continues.
1340	Casing delivery: seven 42-in casing segments; currently a total of eight 42-inch casings on-site. Drilling 12.25-inch pilot hole has resumed at approximately 118 ft bls.
1416	Drilling stopped after the first rod. There is a clog in the mud mixing silo or the line into the mud tank.
1437	Allowed mud to flow from the drill rod into the containment pad.
1440	Attaching the second drill rod. Mud continues to flow from the end of the first drill rod. The gasket/seal around the drill rod is leaking.
1449	Removed the second drill rod while Bill makes adjustments to the rig.
1453	Rehanging second drill rod.
1459	Begin drilling with second drill rod (expected depths ~148 to 178 ft).
1521	Hanging 3rd rod; mud observed to be flowing from 2nd rod.
1524	Begin drilling with 3rd rod (expected depths ~178 – 208 ft)
1557	Begin drilling with 4th rod (expected depths ~208 – 238 ft)
1631	Begin drilling with 5th rod (expected depths ~238 – 268 ft)
1712	Begin drilling with 6th rod (expected depths ~268 – 298 ft)
1737	Begin drilling with 7th rod (expected depths ~298 – 328 ft)
1803	Begin drilling with 8th rod (expected depths ~328 – 358 ft)
1843	Begin drilling with 9th rod (expected depths ~358 – 388 ft)
1931	Begin drilling with 10th rod (expected depths ~388 – 418 ft)
1940	MG offiste. Formation samples have been delivered up to 370 ft. Rod 10 is being drilled. The seal around the drill rod has been repaired. YBI will continue to drill through the night.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, JULY 3, 2007** **SHIFT NO. 1** FROM **0800** TO **1900** **GEOLOGIST: GUNTER** **ACTIVITY: PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
0800	MG is onsite. Drilling is continuing with drill rod 22 (expected depths ~748 - 778 ft). Adjustments are being made to the rig.
0824	Begin drilling with 23rd rod (expected depths ~778 – 808 ft).
0900	Begin drilling with 24th rod (expected depths ~808 – 838 ft).
0924	YBI is removing cuttings from the disposal tank to be disposed of off-site.
0928	Begin drilling with 25th rod (expected depths ~838 – 868 ft).
1004	Begin drilling with 26th rod (expected depths ~868 – 898 ft). The formation sample collection depths on two formation sample bags were mislabeled. The sample numbers skipped from 700 to 710 feet and from 790 to 800 feet. Verified depths to determine that a sample collection was not missed. Rod 24 corresponds to a depth of 808 to 838 feet and the last sample was labeled 860 feet, a difference of approximately 20 feet. The rod number and drill depth were verified with Mike Wilson (YBI) and the formation sample bags were renumbered accordingly.
1025	Begin drilling with 27th rod (expected depths ~898 – 928 ft).
1109	Begin drilling with 28th rod (expected depths ~928 – 958 ft).
1111	Truck used to transport the cuttings returned to site and is being loaded again with cuttings from the disposal tank.
1145	Begin drilling with 29th rod (expected depths ~958 – 988 ft).
1209	Begin drilling with 30th rod (expected depths ~988 – 1018 ft).
1235	Begin drilling with 31st rod (expected depths ~1018 – 1048 ft).
1300	Begin drilling with 32nd rod (expected depths ~1048 – 1078 ft).
1316	Third truck load of cuttings being filled.
1337	Begin drilling with 33rd rod (expected depths ~1078 – 1108 ft).
1345	Begin drilling with 34th rod (expected depths ~1108 – 1038 ft). YBI safety inspector onsite.
1528	Begin drilling with 35th rod (expected depths ~1038 – 1168 ft).
1540	Continuing to clean out the cuttings disposal tank.
	Begin drilling with 36th rod (expected depths ~1168 – 1198 ft).
1624	Begin drilling with 37th rod (expected depths ~1198 – 1200 ft). Only a portion of rod 37 was used for drilling.
1700	Mud drilling of the pilot hole to approximately 1,200 feet is complete. Geologic formation samples were reviewed in order to verify that the sand unit was no longer present at 1,200 feet. It was determined that the sand unit was surpassed.
1840	YBI began tripping out the drill rods.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, JULY 4, 2007** **SHIFT NO. 1** FROM **0100** TO **0500** **SHIFT NO. 2** FROM **1230 TO 2030** **GEOLOGIST: GUNTER** **ACTIVITY: GEOPHYSICAL LOGGING**

CHRONOLOGY

TIME	COMMENTS
0100	YBI begins the geophysical logging of the LZMW 10-inch pilot hole to a depth of 1,200 feet. The logs to be conducted are XY-caliper, gamma ray, dual induction and sonic VDL.
0445	Geophysical logging is complete. The dual induction log was run at a current of 91, voltage of 102 and a speed toward land surface of 61.5 to 62.5 feet per second (fps). The sonic log was run at a current of 77, voltage of 105 and a speed toward the land surface of 28 to 29 fps.
1235	MG is onsite cleaning and identifying formation samples. YBI is reaming the pilot hole with a 24-inch drill bit. MG will be offsite and in the Tampa PBS&J office on Thursday, July 5. Following review of the geophysical logging and the formation sampling results, an intermediate casing depth will be determined for the LZMW pilot hole and a request for approval will be submitted to FDEP.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JULY 5, 2007** **SHIFT NO. 1** FROM _ TO _ **GEOLOGIST**: **ACTIVITY**: **REAMING PILOT HOLE CASING PREPARATION**

CHRONOLOGY

TIME	COMMENTS
	MG is offsite. YBI completed reaming the LZMW pilot hole to 1,200 feet and proceeded to trip out of the borehole in preparation for the installation of the 16-inch intermediate casing.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JULY 6, 2007** **SHIFT NO. 1** FROM **1230** TO **0115** (7/7) **GEOLOGIST: GUNTER** **ACTIVITY: INSTALLATION 16-IN INTERMEDIATE CASING**

CHRONOLOGY

TIME	COMMENTS
1004	FDEP approved PBS&J's request to seat the 16-inch intermediate casing for the LZMW at 1150 feet bls.
1230	MG onsite. YBI preparing for 16-inch steel intermediate casing installation.
1330	Verified the heat numbers on the 16-inch casing. Geophysical logging, XY caliper and gamma ray, is being conducted on the 22-inch borehole to a depth of 1154 feet.
1400	Geophysical logging is complete. Based on a review of the caliper logging results by Mr. Lee (YBI), the diameter of the borehole increases by about five inches from a depth of 742 feet until 1,110 feet. YBI is removing cuttings from the mud disposal tank. Reviewed the inclination survey results from the pilot hole and borehole and verified that all of the measurements were less than one degree.
1500	Hanging the first 16-inch, 0.50-inch wall thickness, 40 foot length casing segment.
1530	Welding the 1st and 2nd casing pipes.
1545	First weld is complete.
1550	Begin welding 2nd and 3rd casing pipes.
1607	2nd weld is complete.
1613	Begin welding the 3rd and 4th casing pipes.
	3rd weld is complete
1640	Begin welding 4th and 5th casing pipes.
1653	4th weld is complete.
1659	Begin welding 5th and 6th casing pipes.
1711	5th weld is complete.
1718	Begin welding 6th and 7th casing pipes.
1731	6th weld is complete.
1737	Begin welding 7th and 8th casing pipes.
1752	7th weld is complete.
1758	Begin welding 8th and 9th casing pipes.
1814	8th weld is complete.
1820	Begin welding 9th and 10th casing pipes.
1832	9th weld is complete.
1838	Begin welding 10th and 11th casing pipes.
	10th weld is complete.
1856	Begin welding 11th and 12th casing pipes.
1911	11th weld is complete.
1923	Begin welding 12th and 13th casing pipes.
1937	12th weld is complete.
1948	Begin welding 13th and 14th casing pipes.
1957	13th weld is complete.
2015	Begin welding 14th and 15th casing pipes.
2030	14th weld is complete.

TIME	COMMENTS
2039	Begin welding 15th and 16th casing pipes.
2054	15th weld is complete.
2103	Begin welding 16th and 17th casing pipes.
2113	16th weld is complete.
2120	Begin welding 17th and 18th casing pipes.
2130	17th weld is complete.
2136	Begin welding 18th and 19th casing pipes.
2146	18th weld is complete.
2152	Begin welding 19th and 20th casing pipes.
2204	19th weld is complete.
2212	Begin welding 20th and 21st casing pipes.
2222	20th weld is complete.
2229	Begin welding 21st and 22nd casing pipes.
2240	21st weld is complete.
2248	Begin welding 22nd and 23rd casing pipes.
2258	22nd weld is complete.
2305	Begin welding 23rd and 24th casing pipes.
2317	23rd weld is complete.
2326	Begin welding 24th and 25th casing pipes.
2335	24th weld is complete.
2343	Begin welding 25th and 26th casing pipes.
2352	25th weld is complete.
2359	Begin welding 26th and 27th casing pipes.
0008	26th weld is complete.
0017	Begin welding 27th and 28th casing pipes.
0029	27th weld is complete.
0048	Begin welding 28th and 29th (final) casing pipes.
	28th weld is complete.
0115	MG off-site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, JULY 7, 2007** **SHIFT NO. 1** FROM **0600** TO **2030** **GEOLOGIST: GUNTER** **ACTIVITY: GROUTING 16-INCH INTERMEDIATE CASING - LZMW**

CHRONOLOGY

TIME	COMMENTS
0633	Begin pressure grouting 16-inch casing with Type II Portland cement. Maintained a maximum of 25 psi in the cement tanks and a maximum pressure of 45 psi within the system during the grouting.
0715	First stage of pressure grouting is complete. A total of 79 barrels of 100% neat cement were used. The first stage will sit for approximately eight hours prior to using the tremie pipe grouting system. Theoretically, if 100 barrels were used during the first cement stage, the annulus would be filled to 1020 feet. The cuttings and excess water within the on-site disposal/recirculation tank are being removed for off-site disposal in preparation for reverse-air drilling.
	MG off-site
1450	MG on-site. Additional dry cement within a storage tanker truck has arrived on-site.
1512	Begin tripping out the piping used in the pressure grouting phase. Mike Wilson tagged the cement top within the casing at 1.7 feet from the bottom of the casing.
1709	Preparing to conduct the temperature log of the first stage of pressure grouting. During the tremie grouting stage, YBI plans to pressurize the inside of the casing in order to provide greater stability against casing wall collapse.
1745	The temperature log (conducted by YBI geophysical logging department) is completed. Based on a review of the log results, the top of the cement was estimated to be at 1048 feet, the theoretical top was 1002 feet and the tagged cement top was 1000 feet bls.
2030	YBI is tripping in the pipe and 2-inch tremie tubing to be used during the tremie grouting stages.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, JULY 8, 2007** **SHIFT NO. 1** FROM **0730** TO **2000** **GEOLOGIST: GUNTER** **ACTIVITY: GROUTING 16-INCH INTERMEDIATE CASING - LZMW**

CHRONOLOGY

TIME	COMMENTS
0735	Begin tremie grouting (stage 2) the 16-inch intermediate casing on the lower zone monitoring well (LZMW). The cement level from the previous pressure grouting stage was tagged at two locations and determined to be at 1000 feet bls. The theoretical lift based on 79 barrels was 1002 feet.
0825	Completed stage two of the tremie grouting method. 100 barrels of 4 % cement (bentonite added) were used, resulting in a weight of 1406 pounds. The cement will set for approximately five hours before the application of the next stage.
1227	The cement top was tagged at 779 feet bls, whereas, the theoretical cement top was estimated to be at 820 feet bls.
1250	Mobilizing the geophysical – temperature logging equipment.
1324	Begin temperature logging of the second stage of cementing.
1338	Temperature logging complete – peak in temperature occurred at 698 feet.
1500	The tremie tubing is clogged; therefore, the pipe in the annulus of the casing that is used during the cementing process is being tripped out.
1916	Begin stage three of tremie grouting with 4 % additive to the cement.
1946	Completed stage 3 of grouting; used 100 barrels. The theoretical cement top was estimated to be 560 feet.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, JULY 9, 2007** **SHIFT NO. 1** FROM **0200** TO **0500** **SHIFT NO. 2** FROM **0800** TO **1630** **GEOLOGIST: REGON & GUNTER** **ACTIVITY: GROUTING 16-INCH INTERMEDIATE CASING - LZMW**

CHRONOLOGY

TIME	COMMENTS
0205	Geophysical temperature logging is conducted on stage three of the 16-inch intermediate casing grouting. The result of the temperature log displayed a temperature peak at approximately 560 feet. The theoretical cement top was estimated to be at 560 feet and the tagged cement top was 550 feet bls.
0418	Begin stage four of the tremie grouting with 100 barrels with 4 % bentonite additive. The theoretical lift is to 300 feet bls.
0450	Stage four of the casing grouting is complete.
0500	MG is off-site.
0810	MR is on-site.
1117	Geophysical temperature log conducted and the resultant peak occurred at 382 feet bls.
1345	YBI cement crew on-site.
1417	Begin stage five pumping (tremie into annulus) of cement.
1431	First batch of cement in – begin pumping second batch for a total of 105 barrels of 6% additive cement followed by three barrels of chase.
1455	Stage five of the tremie grouting of the casing is complete. Spoke with Mike Wilson and he stated that they will do one final lift at approximately 0100 am in order to finish off the cementing of the intermediate casing.
1542	Updated Tom Farkas on the cementing progress.
1630	MR is off-site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, JULY 10, 2007** **SHIFT NO. 1 FROM 0045 TO 0200** **SHIFT NO. 2 FROM 0800 TO 1400** **GEOLOGIST: REGON & GUNTER** **ACTIVITY: GROUTING 16-INCH INTERMEDIATE CASING**

CHRONOLOGY

TIME	COMMENTS
0000	Geophysical temperature logging began on the stage five grouting of the 16-inch intermediate casing on the lower zone monitoring well (LZMW). The resultant temperature peak was estimated to be at 71 feet bls.
0045	MG is on-site
0105	Begin tremie grouting stage six with 100% neat cement.
0115	Complete stage six (final stage) of the tremie grouting of the LZMW intermediate casing. Seventeen barrels were used to lift the cement top to approximately ten feet below ground level in order to reduce the risk of clogging the well plumbing. The cement will be brought to ground level following completion of the well.
0145	MG is off-site.
0752	MR is on-site. YBI is currently working on welding projects.
0910	Spoke with Tim Rapp (FGUA site inspector) and discussed that there would not be a monthly progress meeting today and the next meeting will be scheduled during the first week of August.
0922	YBI begins tripping in and continues to clean out the mud pit. Spoke with Mike Wilson about the breeched weld in the containment pad. He stated that it will be repaired prior to commencing reverse-air drilling of the pilot hole.
1342	Spoke with Mike Wilson about reverse-air drilling. He stated that we will potentially begin reverse-air drilling at approximately 0200 am tonight. All the equipment is on-site for specific capacity testing. MR off-site.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, JULY 11, 2007** **SHIFT NO. 1** FROM **0700** TO **2359** **GEOLOGIST: REGON & GUNTER** **ACTIVITY: BEGIN REVERSE AIR DRILLING - LZMW**

CHRONOLOGY

TIME	COMMENTS
0706	MR on-site
0917	Spoke with Bill Steel (driller) and Mike Wilson about specific capacity testing and water sample collection. Also discussed the leak in the containment pad, which was repaired, and the delay in beginning reverse-air drilling. YBI plans on commencing drilling around noon. Questions brought up by the driller: 1. What capacity will be needed for the dynamic logs? 2. What is the minimum required flow rate? 3. What are the intervals for the specific capacity testing? YBI employee, Carlos Diaz, was injured on the rig and went to the hospital. Carlos sustained an injury to the chest region and was experiencing shortness of breath. Consulted Tom Farkas about the dynamic logging minimum flow rate and it was determined to be 800 gallons per min (gpm). The drillers were expressing doubt that the well will produce the expected capacity. This doubt was based on that since the specific capacity tests will be conducted beginning at 1214 feet bls and since the hole was previously drilled to 1200 feet, any test conducted above that will potentially have an open hole below it during the test.
	Carlos Diaz returned to work with rib and abdominal bruising and with a medical authorization stating that he should participate in light duty for 1 to 2 weeks.
1638	Hanging the first drill rod (# 36) for reverse-air drilling beginning at a depth of approximately 1154 ft. YBI employee severed underground electrical wires located south of the PBS&J trailer and southeast of the lower zone monitoring well (LZMW). The electrical wires powered the Lehigh Acres Wastewater Treatment Plant electronic monitoring devices. The facility was manually inspected while Mike Wilson and supporting YBI employees immediately spliced the wires and marked off the area of impact. Drilling ceased while the repairs were being made. The wires were accidentally run over by a front-end loader while efforts were being made to level out the ground following erosion created by the cementing equipment.
2352	Hanging 2nd drill rod (# 37).
2359	Begin drilling with rod 37 at an approximate depth of 1184 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JULY 12, 2007** **SHIFT NO. 1** FROM **0000** TO **0930** **SHIFT NO. 2** FROM **0930** TO **1930** **SHIFT NO. 3** FROM **0900** TO **0700** (7/12) **GEOLOGIST: REGON & GUNTER** **ACTIVITY: REVERSE-AIR DRILLING PILOT HOLE - LZMW**

CHRONOLOGY

TIME	COMMENTS
	Formation sample collected 1200 to 1210 feet.
0105	Collect water quality samples to be analyzed on-site for specific conductivity, salinity, total dissolved solids (TDS) and temperature. Flow/pump rates determined by measuring the change in water level in the tank over time and the static and pumping water levels. The drawdown and specific capacities are determined every 60 feet. Static water level in the tank: 8.8 feet Water level in tank after 5.5 min: 9.1 feet Static water level: 26.1 feet The well water level tube is not showing a reading during pumping; attempted to feed the water level probe into the casing through a small port in the side of the well but it would not fit. The air compressor rate was decreased in order to produce a readable pumping water level; this did not work. Therefore, it has been determined that the drawdown is greater than 29.9 feet.
0523	Begin drilling with drill rod 38 at a depth of 1214 ft bls.
0700	Measured water quality (specific conductance, salinity, TDS, temp) in collected sample from 1214 ft bls. Specific conductance = 7170 µS/cm
0800	Conducted second water sample collection and specific capacity test at a depth of 1274 feet bls. Static water level in the tank: 9.0 feet Water level in tank after 5.13 min: 9.25 feet Static water level: 27.1 feet Attempted to feed the KECK water level probe into a larger diameter PVC port on the side of the well. The probe was too long and couldn't complete the bend into the casing. Drawdown in excess of 29.9 feet. Water quality analysis resulted in a specific conductance of 6840 µS/cm.
0915	Begin drilling rod 40 at a depth of 1274 feet bls.
	Begin drilling rod 41 at a depth of 1304 feet bls.
0935	MR on-site. Updated by MG on morning activities. Specific capacity test is still not working due to excessive drawdown. The following options are to be explored in order to proceed: 1. Continue without any further action with the expectation that the deeper formations will produce larger quantities of water. 2. Place a probe (water level or other – Mike Wilson suggested an ohm meter, thus causing a change in the reading when it encounters water) in the well while air developing. 3. Remove the rubber backflow preventer every time to take a water level measurement.
1115	Spoke at length with Bill Steel and Mike Wilson about how to proceed. Bill plans on restricting the air compressor as another option..

TIME	COMMENTS
1125	Reducing the air pressure did not work; the pressure is still too high causing the water level to drop in the well.
1142	Bill suggested that a flow meter is installed on the 3-inch ball valve on the 26-inch casing and the artesianal flow rate from the well and a subsequent water level could be measured. Tom Farkas concurred that this method will work as a specific capacity test. Water quality samples were collected. Specific conductance = 6710 µS/cm
1202	Rod change at 1334 feet bls.
1234	Rod change at 1364 feet bls.
1308	Rod change at 1394 feet bls; specific capacity test conducted and water quality sample collected. Specific conductance = 6530 µS/cm
1352	Rod change at 1424 feet bls.
1446	Rod change at 1454 feet; specific capacity test conducted and water quality sample collected. Specific conductance = 6770 µS/cm
1522	Rod change at 1484 feet.
1614	Rod change at 1514 feet; specific capacity test conducted and water quality sample collected. Specific conductance = 6970 µS/cm
1654	Rod change at 1544 feet.
1740	Rod change at 1574 feet; specific capacity test conducted and water quality sample collected. Specific conductance = 7070 µS/cm
1812	Rod change at 1604 feet.
1900	MG on-site
1932	Rod change at 1634 feet; specific capacity test conducted and water quality sample collected. Conducted the large scale test utilizing the water level change in the water recirculation tank. Static water level in the tank: 8.8 feet Water level in tank after test: 9.05 feet Static water level: 16.83 feet Pumping water level: 4.9 feet Specific conductance = 7370 µS/cm
2040	MR off-site
2108	Begin drilling rod 52 at 1634 feet.
2215	Begin drilling rod 53 at 1664 feet.
2305	Conducted water quality and specific capacity testing with the natural flow rate and the recirculation tank. Static water level in the tank: 8.78 feet Water level in tank after 5.35 min: 9.05 feet Static water level: 30 feet Pumping water level: 14.15 feet Water is slightly cloudy with a grayish tint. Specific conductance = 7040 µS/cm

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JULY 13, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST: REGON & GUNTER** **ACTIVITY: REVERSE-AIR DRILLING PILOT HOLE - LZMW**

CHRONOLOGY

TIME	COMMENTS
0009	Begin drilling with drill rod 54 at a depth of 1,694 ft bls.
0105	Begin drilling with drill rod 55 at a depth of 1,724 ft bls.
0140	Collect water quality samples at a depth of 1,754 feet to be analyzed on-site for specific conductivity, salinity, total dissolved solids (TDS) and temperature. An additional sample was collected at each depth in order to be analyzed by Sanders Laboratories. Sanders will analyze the samples for the following parameters: specific conductivity, pH, chloride, sulfate and TDS. Flow/pump rates determined by measuring the change in water level in the tank over time and the static and pumping water levels. The drawdown and specific capacities are determined every 60 feet beginning at 1.214 ft bls. The field measurement of specific conductivity was 7,510 µS/cm.
0205	Begin drilling with drill rod 56 at a depth of 1,754 ft bls.
0320	Begin drilling with drill rod 57 at a depth of 1,784 ft bls. Dean (driller) stated that very minimal formation cuttings were being produced from 1,760 through 1,780 ft bls. Cutting quantities increased around 1,780 ft but decreased again at 1,800 ft.
0400	A water quality sample was collected and a specific capacity test conducted at a depth of 1,814 ft. The discharge water was milky and beige in color. Specific conductance = 7,540 µS/cm
0430	Begin drilling with drill rod 58 at a depth of 1,814 ft bls.
0610	Begin drilling with drill rod 59 at a depth of 1,844 ft bls.
0700	MR on-site.
0922	Rod 60 down at a depth of 1,874 ft bls. YBI cleaned the hole with multiple sweeper trips. Upon analyzation of the formation samples, it appears that a fracture area may be located from approximately 1,800 ft to 1,840 ft.
0942	Sanders Laboratories personnel on-site to collect water quality samples from the four shallow monitoring pad wells (SMW) and to pick up the samples collected during the specific capacity testing.
1002	A water quality sample was collected and a specific capacity test conducted at a depth of 1,814 ft. Specific conductance = 7,270 µS/cm
1035	Begin drilling with drill rod 60 at a depth of 1,874 ft. Sanders Lab personnel asked about a potential spill in the area surrounding SMW-4 due to an initial pH of 11 s.u., causing in increase in the time needed to develop the well, in addition to water collected around the PVC well casing. Following an hour of pumping, the pH lowered to approximately 9 s.u.
1215	Drilling at 1,884 ft on dolomite, extremely hard, gray, fine grained ?, thus slowing down drilling progress.
1359	While speaking with Bill Steel (YBI) about drilling cuttings, he noticed that the drill rig appeared to be loosing circulation. A sand unit was encountered at approximately 1,890 ft, resulting in the drill bit becoming clogged. Updated Tom Farkas about the recent developments and he will speak with Mike Micheau. YBI updated Clay Ferguson.
1512	Development / dredging of the well continues and it appears that sand filled the hole to 1,870 ft bls.

TIME	COMMENTS
1812	Spoke with Tom F. and Mike M. and they suggested that a continual monitoring of the sand dredging material be conducted in addition to water quality and water level measurements in the well. The drill rig is not operating following the removal of six drill rods. YBI will stay down until after the shift change at 1900 as they await advisement on how to proceed. Upon excavation and comparison of the sand sample from 1,884 ft with those samples retrieved from 780 ft and 1,080 ft bls, it appears that the 1,884 sample is similar in texture, composition and color to the sample collected at 780 ft bls. The sand from 1,080 ft is darker, more phosphatic and contains greater quantities of shall and limestone fragments.
1900	Due to the drill bit becoming clogged, all of the rods will be tripped out, the drill bit cleaned and then the drill rods will be tripped back in. Mud has been mixed to be utilized to kill the well upon tripping out. The water circulation / clipping disposal tank is full due to a pump malfunction. YBI tanker trucks will be arriving on-site in order to remove the excess water and dispose of it off-site.
2007	Continue to trip out the drill rods; the current depth is approximately 1,704 ft bls.
2024	YBI tanker truck is on-site.
2300	Tripping out had ceased after the removal of half of the rods. Additional mud is being mixed in order to kill the well.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, JULY 14, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST: REGON & GUNTER** **ACTIVITY: REVERSE-AIR DRILLING PILOT HOLE - LZMW**

CHRONOLOGY

TIME	COMMENTS
0132	Continue tripping out of the pilot hole with the clogged 12.25 inch bit.
0715	MR onsite, rod is completely tripped out, during the course of the night the drill rod had broken in the hole, the portion of the rod that was tripped out did not include the subs or the bit, they remain in the hole. Approximately 180 feet bls drill pipe and bit remain in the hole.
1100	Geophysical logging onsite, Jimmy Brantly (YBI) onsite. Jimmy explains how the rod broke off. Sand continues to come in the hole tagged depth is now 1460feet bls. YBI is conducting geophysical logs to determine 1. where the sand is coming in from 2. where the tool was lost and how it is oriented in the hole
1125	YBI conducts an XY caliper and gamma log, and also a collar locator log (CCL) to determine the conditions of the casing. Results show that the bottom section of casing, approximately 35 feet in length has broken off and slid approximately 150 feet down the hole, allowing the formation around the upper casings to open up and the sand intrusion.
1330	Jimmy Brantly (YBI), and Ed Cunning ham (YBI) meet with MR to discuss options for further construction of LZMW-1 Options: 1. Make a bridge plug below the enacted casing bottom at 1115 feet bls pressure gout up the outside of the entacted casing, requiring packers and perforating the casing. 2. Plug and abandon the well (after removing the stuck drill string)
1445	I conferred with TF and MM about all the events of today and the options to proceed, transmitted geophysical logs and forensic geology conducted by MR
1607	Jimmy Brantly called he is now favoring P&A of the well
1618	Conferred with TF, there is a meeting on site scheduled for 9am Monday morning between PBS&J and YBI.
1900	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, JULY 15, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON & GUNTER** **ACTIVITY**: **REVERSE-AIR DRILLING PILOT HOLE - LZMW**

CHRONOLOGY

TIME	COMMENTS
0700	YBI has shut down the site until after the Monday meeting. No work on site.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, JULY 16, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST: REGON & GUNTER** **ACTIVITY: REVERSE-AIR DRILLING PILOT HOLE - LZMW**

CHRONOLOGY

TIME	COMMENTS
742	MR &MG onsite to prepare of the meeting at 9am with YBI
930	Meeting with YBI begins with Tom Farkas, Michelle Regon, Melissa Gunter, (all PBSJ) Jimmy Brantly, Mike Wilson, and Clay Fergusen (all YBI) Meeting notes taken by MG Options discussed: bridge plug installed below the fallen casing piece (apx 1300 feet bls), fill the hole from there up inside the casing (apx. 1060 feet bls) with cement, sink a liner (steel 14 inch, .37 wall) into the cement, drill out the cement from the liner and the plug, and continue testing on the hole. Or plug and abandon the well, and mobilize to another site (on the same property) and begin drilling LZMW-1 again Steps to be taken not matter which option is chosen: clear out all the sand in the hole, get the broken drill string and bit out. PBS&J chooses to go ahead with the bridge plug option
1145	TF leaves the site
1512	MR leaves the site, YBI begins rigging for mud drilling, open circulation

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, JULY 17, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **RECOVERY OF DRILL ROD**

CHRONOLOGY

TIME	COMMENTS
830	MR onsite, meet with Mike Wilson(YBI), they tagged the sand at 1450 ft bls, and apparently hit the fallen casing on the way down, but made it passed it. They developed on the sand with a 12.25 inch reamer bit with thick mud to construct a thick mud wall inside the well to prevent further sand intrusion
1343	Currently drilling/developing at 1550 feet bls, Mike approached me with the idea of possibly not doing the bridge plug and liner, if the hole can be stabilized with the thick mud, I took the idea to TF to confirm that we would not be interested in that action plan due to the implications on the geophysical logs.
1612	Continue drilling at 1550 feet bls, no head way made. Meet with Jimmy Brantly and talked about the current situation, he feels that the 12.25 inch reamer bit is not advancing due to sitting on top of the broken drill rod. They will trip out the reamer bit and conduct an XY caliper log to confirm the fallen casing is in the same place, then trip back in with the jet rod and begin jetting along side the broken casing to loosen all the sand and cuttings accumulated there
1915	MR leaves the site, the geophysical shows the casing section has not moved, they proceed to trip in, MR oncall for any developments through till the A.M.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, JULY 18, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **RECOVERY OF DRILL ROD**

CHRONOLOGY

TIME	COMMENTS
740	MR onsite, progress was slow overnight, YBI tripped in with the 2" jet rod only to find upon hooking up to the pump that a pulley on the pump was inoperable, and would need to be fixed in order to proceed with any jetting procedure, the jet rod was tripped out and the broken ended rod was tripped back in to clean out the hole along side the broken drill rod.
952	Continue tripping in the hole with the broken rod
1307	Excavation/development of the material around the broken drill string begins
1823	Currently excavating/developing at 1680, can not go further due to an obstruction, the drill rod is tripped out
1900	"fishing tools" consisting of an expandable too, an overshot tool and some cutting ends arrive onsite
1910	MR off site and on call

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JULY 19, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **RECOVERY OF DRILL ROD**

CHRONOLOGY

TIME	COMMENTS
812	MR onsite, YBI went in overnight with the overshot tool to grab the end of the broken string, they got down to the rod just not far enough down ontop of it to grab it, they used the cutting/polishing tool, turning for over 2 hours with no headway made. They are tripping out when I arrive
1137	The polishing bit is ground down from the contact with the drill rod, YBI is having a new tungsten carbide bit made at the shop to go back in the hole and cut away the damaged drill rod so the overshot tool can fit over and grab on
1342	Begin tripping back in with the cutting bit on the overshot tool
1708	Begin cutting on the broken rod string
1942	No luck with the cutting bit after turning for several hours, little progress is made. MR is off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JULY 20, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **RECOVERY OF DRILL ROD**

CHRONOLOGY

TIME	COMMENTS
738	MR onsite, talked with Jimmy Brantly (YBI) he states he things the drill rod broke in 2 separate places and that there is possibly a 15 ft section broken off in the well in addition to the 140 ft of drill string already lost in the well. After being unsuccessfull with the overshot fishing tool, YBI tripped in with an expandable bit fishing tool and were still unable to pull the drill string loose
1342	YBI has brought in rig jacks to try and jack up the back end of the rig in addition to the pulling capacity of the rig itself
1500	YBI has decided against using the jacks just yet, they are tripping in with the jetting rods to jet and pull at the same time
1654	Progressed 1 jet rod down to 1700 ft bls before the engine on the cement pump burned up. YBI is getting another pump from the east coast, will be here in 6 hours
2135	Hooked up with the new jetting pump and proceeded to jet from 1700 ft bls along side of the broken string while pulling and made no headway, the 2 inch jet rod was then tripped out.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JULY 21, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **RECOVERY OF DRILL ROD**

CHRONOLOGY

TIME	COMMENTS
834	MR onsite; talked with Mike W about overnight activities, after not being able to free the rod and bit with conventional means they are setting up the jacks under the rig to jack the rig with the string under tension
1342	Still setting up the jacks and working on welding projects
1604	MR offsite
1912	Mike W. YBI calls to explain that the Rig jacks have not worked, they are pulling with 350,000 lbs of pulling force and not moving the drill string at all, the bracing at the well head is beginning to crumple and they fear the other equipment i.e. the mast and drill rod and casing will soon break too under that kind of force, YBI elects and purposes to Plug and Abandon the well I call TF to update him on YBI's purposal and their failure to get the drill string out of the hole

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JULY 22, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **SUSPENDED**

CHRONOLOGY

TIME	COMMENTS
	YBI has suspended all work at the Lehigh site till decisions are made on how to progress, by FGUA, and FDEP

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JULY 23, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **SUSPENDED**

CHRONOLOGY

TIME	COMMENTS
830	MR enroute to the Lehigh site from Tampa; called Mike W to discuss P&A procedure/logistics and write-up and arrange a pay request meeting with FGUA and YBI
1045	MR onsite; forwarded P&A procedure to TF, still no work onsite
1542	Reviewed latest version of P&A procedure and payorder request forwarded to TF
1732	Called Tim Rapp, FGUA, and left a message that we are ready for his review of the pay request, will probably be by in the morning
1822	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JULY 24, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **SUSPENDED**

CHRONOLOGY

TIME	COMMENTS
738	MR onsite, Tim Rapp and John (?) with FGUA onsite to sign pay requests
802	Pay request signed and given to YBI to get to PBSJ in Tampa today
932	YBI runner left Lehigh site with pay request
1030	MR offsite to Englewood MIT

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JULY 25, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **SUSPENDED**

CHRONOLOGY

TIME	COMMENTS
	MR in Tampa office; no work at the site awaiting approval of P&A plan by FDEP and FGUA

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JULY 26, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **SUSPENDED**

CHRONOLOGY

TIME	COMMENTS
830	MR in Tampa office; no work at the site awaiting approval of P&A plan by FDEP and FGUA
1130	Approval by FDEP and FGUA of the YBI P&A plan
1230	MR enroute to the Lehigh DIW site to observe the first stage of the P&A plan; filling the lost drill string with cement
1443	MR onsite, YBI pumps 5 barrels of 12% cement down a 2 inch tremmie to the bottom of the lost rod, they fill it with cement to just below the fishing tool at 1550 ft bls and allow it to cure over night
1510	Update TF on all activities at the site
1720	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JULY 27, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **PLUG AND ABANDON**

CHRONOLOGY

TIME	COMMENTS
730	MR onsite; geophysical logging truck onsite, full crew onsite, 3 FGUA inspectors onsite. Upon arrival I find that in order to "cut" the drill rod as purposed by the P&A plan, YBI is planning to detonate with shape charges inside the drill rod at a depth of 1560 feet bls.
912	In the hole with the charges; all parties involved have been notified and a safety meeting was conducted prior to arming the blasting device
941	YBI pulls the drill rod tight and leaves it with tension on it while the charge blows
944	Charge blows, the rigs mast rocks slightly and water begins to come up out of the drill rod, the rod is loose.
1017	The drill pipe is free and YBI begins tripping out
1215	Talked with Mike Quigley (FGUA) about the purposed location for LZMW-1B, he states that we should make sure to check with Sevren Trent about possible pipeline implications (buried pipelines), I relay this information to Mike W (YBI) and they investigate further.
1522	The expandable fishing tool is out of the hole along with the detonated rod. YBI continues to move forward with P&A plan by tripping back in and circulating the mud in the hole for consistency and more cleaning of the bore hole
1721	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JULY 28, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **PLUG AND ABANDON**

CHRONOLOGY

TIME	COMMENTS
841	MR onsite; YBI has called stating that they are ready to begin pumping cement
907	Jimmy B, Bill Steel, and Cameron (YBI) onsite, they will run 117 barrels of cement at 12% (25 barrels to bring up the outside along the drill string, 25 barrels to bring it to 1460, which is the bottom of the deepest caliper long, and 67 barrels to bring the tag to 1200 feet bls)
914	Begin cementing down the 2 inch tremmie
925	Done with pumping on the first stage
1638	Bill Steel with YBI called they are ready for the next stage of cementing
1651	MR onsite, YBI is set up with tremmie tripped in, Jimmy B states that the previous tag was 1337 feet bls
1719	Begin pumping cement; 107 barrels at 12% bringing theoretical to 1130
1740	Done pumping cement stage
1755	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JULY 29, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **PLUG AND ABANDON**

CHRONOLOGY

TIME	COMMENTS
354	MR onsite, Cameron with YBI called at 324, they are ready to pressure grout the casing; the previous tag was 1125 feet bls, they are hanging the tremmie pipe at 1112 feet bls to pressure grout the out side of the casing. They have cut down the well head and casing and welded in a pressure plate and 4 in collar, reducing the 16 inch casing to a 4 inch collar at land surface
400	Begin pumping cement at 12%, will pump by pressure: meaning that they will maintain a constant pumping pressure and when the pressure increases, indicating that the zone they are grouting into is closed, they will stop pumping
410	Done pumping – 27 barrels pumped at 12%, at constant 45 psi
420	MR off site
1212	Cameron with YBI called he is ready to pump the 4th stage of cement
1236	MR onsite, tag from previous stage was 1102 feet bls
1251	Begin pumping, 158 barrels at 12%, theoretical to fill the whole casing is 235 barrels, they will do 2 lifts, due to the limit of available cement onsite
1302	Between emptying cement pods they lift out 2 strings of tremmie pipe
1308	Begin pumping again
1322	Pumping done
1340	MR off site
2014	Cameron with YBI called they are ready to pump the last stage of cement; tag from previous stage was 392 feet bls.
2037	MR onsite
2115	Begin pumping 5th stage; theoretical is 85 barrels at 12%
2134	Stopped pumping cement; full cement return witnessed at landsurface; pumped 90 barrels at 12%

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JULY 30, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **DEMOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
	YBI begins demobilization of the drilling rig on LZMW-1A

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JULY 31 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **DEMOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
	YBI continues demobilization of the drilling rig on LZMW-1A; new site is approved by FDEP and FGUA for LZMW-1B

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, AUGUST 1, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **DEMOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
	YBI continues mobilization of the drilling rig on LZMW-1B; pad well 3 is plugged and abandoned to make room for the containment pad for LZMW-1B, a new pad well 3 is drilled just south of the containment pad. Depth is 20 feet 10 foot of casing and 10 foot of screen

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, AUGUST 2, 2007** **SHIFT NO. 1** FROM **0000** TO **0700** **SHIFT NO. 2** FROM **0700** TO **2359** **GEOLOGIST**: **REGON** **ACTIVITY**: **MOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
	YBI continues mobilization of the drilling rig on LZMW-1B

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, AUGUST 3, 2007** **SHIFT NO. 1** FROM **0800** TO **1700** **GEOLOGIST: REGON** **ACTIVITY: LZMW-1B PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
	YBI begins pilot hole drilling of the lower zone monitoring well (LZMW-1B) pit casing (spudding in) and plan to set the 26-inch pit casing at 60 to 65 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, AUGUST 4, 2007** **SHIFT NO. 1** FROM **0800** TO **1700** **GEOLOGIST**: **REGON** **ACTIVITY**: **LZMW-1B PIT CASING**

CHRONOLOGY

TIME	COMMENTS
	YBI completes the pilot hole to 64 feet bls, installs the 26-inch pit casing to 64 feet bls and grouts with 49 barrels of 100% neat cement.
Apx 2200	Begin pilot hole mud drilling with 12.25-inch bit for the 16-inch intermediate casing in the lower zone monitoring well (LZMW-1B).

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, AUGUST 5, 2007** **SHIFT NO. 1** FROM **0900** TO **1800** **GEOLOGIST: REGON** **ACTIVITY: LZMW-1B PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
	YBI continues pilot hole drilling for the 16-inch intermediate casing in the lower zone monitoring well (LZMW-1B).
0915	MR onsite, meet with Mike Wilson (YBI) and he stated that they are currently at 260 feet bls.
0932	Rod change at 268 ft bls
1117	Rod change at 298 ft bls
1224	Rod change at 328 ft bls
1256	Rod change at 358 ft bls
1341	Rod change at 388 ft bls
1446	Rod change at 418 ft bls
1517	Rod change at 448 ft bls
1621	Rod change at 478 ft bls
1708	Stopped drilling to repair the top head drive gasket, which is leaking mud.
1734	Resume drilling, rod change at 508 ft bls
1758	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, AUGUST 6, 2007** **SHIFT NO. 1** FROM **0800** TO **1800** **SHIFT NO. 2** FROM **2340** TO **0340** (8/7) **GEOLOGIST**: **REGON** **ACTIVITY**: **PILOT HOLE DRILLING & GEOPHYSICAL LOGGING**

CHRONOLOGY

TIME	COMMENTS
0812	MR onsite; YBI is currently drilling at 900 feet bls. Spoke with Mike Wilson (YBI); the mud drilling activities are nominal and drill cuttings (formation samples) are being collected every 10 feet.
1016	Rod change at 968 ft bls
1128	Rod change at 998 ft bls
1741	Total depth of 1,150 ft bls was obtained at approximately 15:45. The cuttings show LIMESTONE, moderately friable, medium grained, light tan to buff; trace shell fragments. The deviation survey currently being conducted.
1745	MR offsite
2325	Mike W. called and stated that the geophysical logging crew is onsite and is setting up to conduct the geophysical logging.
2341	MR onsite, geophysical logger ready to conduct the caliper / gamma log.
2357	Begin down hole with the caliper gamma tool

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, AUGUST 7, 2007** **SHIFT NO. 1** FROM **0000** TO **0340** **GEOLOGIST: REGON** **ACTIVITY: LZMW-1B PILOT HOLE GEOPHYSICAL LOGGING**

CHRONOLOGY

TIME	COMMENTS
0007	(Continued from previous; geophysical logging) At the bottom of the lower zone monitoring well (LZMW-1B) with the caliper tool; bottom confirmed at 1,150 feet bls.
0102	Caliper log is completed, tool is out of the hole, hole is gage and in round, no anomalous readings.
0109	Begin dual induction log.
0204	Dual induction logging is complete.
0217	In the hole with the borehole compensated (BHC) sonic.
0303	BHC sonic logging is complete.
0315	YBI printed three (3) field copies and a CD of the geophysical logs that were conducted tonight.
0341	MR offsite
Apx 0700	YBI begins reaming the pilot hole to 24 inches in diameter.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, AUGUST 8, 2007** **SHIFT NO. 1** FROM **0800** TO **1700** **GEOLOGIST: REGON** **ACTIVITY: REAMING LZMW-1B PILOT HOLE**

CHRONOLOGY

TIME	COMMENTS
	YBI continues reaming activities on the pilot hole of the lower zone monitoring well (LZMW-1B).

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 9, 2007** **SHIFT NO. 1** FROM **1700** TO **1840** **GEOLOGIST**: **REGON** **ACTIVITY**: **LZMW-1B REAMING/CONDITIONING**

TIME	COMMENTS
	YBI continues reaming activities on the pilot hole of LZMW-1B.
1215	YBI begins wiper trips in and out of the hole with the reaming bit to clean up the reamed hole. Additionally, YBI conditions the hole with a focus on the walls of the well.
1710	MR onsite to verify the 16-inch casing heat numbers and conduct a casing tally. All of the casings check out and the total footage below the pad will be 1149.84 feet. YBI will continue to condition the hole with wiper trips and will mix thicker mud during the evening.
1840	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, AUGUST 10, 2007** **SHIFT NO. 1** FROM **1200** TO **1615** **GEOLOGIST: REGON** **ACTIVITY: LZMW-1B PILOT HOLE CONDITIONING**

CHRONOLOGY

TIME	COMMENTS
	Following YBI's attempts to excavate sand and clay during wiper trips, YBI has decided to continue to clean out the lower zone monitoring well (LZMW-1B) pilot hole throughout the entire day.
1215	MR onsite in order to complete paperwork and check the line up (verify casing lengths and numbering system) of the 16-inch intermediate casing. YBI plans on installing the casing tomorrow (August 11, 2007) morning.
1612	MR offsite. YBI will continue to clean out the hole and conduct at least two more wiper trips in and out of the pilot hole prior to completely tripping out of the hole.
	Following YBI's attempts to excavate sand and clay during wiper trips, YBI has decided to continue to clean out the lower zone monitoring well (LZMW-1B) pilot hole throughout the entire day.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, AUGUST 11, 2007** **SHIFT NO. 1** FROM **0640** TO **1630** **SHIFT NO. 2** FROM **2050** TO **2300** **GEOLOGIST: REGON** **ACTIVITY: LZMW-1B 16-INCH INTERMEDIATE CASING**

CHRONOLOGY

TIME	COMMENTS
0602	YBI geophysical logger is onsite and prepared to conduct the XY caliper and gamma ray logs of the LZMW-1B reamed hole.
0641	MR onsite. Geophysical logging of the reamed hole is complete and YBI delivers three (3) field copies and one (1) cd of the caliper and gamma ray logging results. Four welders are onsite to weld on the centralizers/stabilizers and to conduct the joint welding of the 16-inch intermediate casing.
0732	First segment of casing with a length of 40.09 ft is up with the centralizers intact.
0804	Second segment of casing with a length of 40.08 ft is up, centralizers are intact and the welded joint between the first and second casing segment is complete.
0822	Third segment of casing is hanging.
0837	Fourth segment of casing with a length of 40.15 ft is hanging.
0852	Fifth segment of casing with a length of 40.13 ft is hanging.
0913	Sixth segment of casing with a length of 40.10 ft is hanging.
0939	Seventh segment of casing with a length of 40.13 ft is hanging.
0957	Eighth segment of casing with a length of 40.09 ft is hanging.
1011	Ninth segment of casing with a length of 40.07 ft is hanging.
1030	Tenth segment of casing with a length of 40.15 ft is hanging.
1042	Eleventh segment of casing with a length of 40.10 ft is hanging.
1100	Twelfth segment of casing with a length of 40.18 ft is hanging.
1112	Thirteenth segment of casing with a length of 40.13 ft is hanging.
1128	Fourteenth segment of casing with a length of 40.14 ft is hanging.
1142	Fifteenth segment of casing with a length of 40.10 ft is hanging.
1201	Sixteenth segment of casing with a length of 40.02 ft is hanging.
1214	Seventeenth segment of casing with a length of 40.13 ft is hanging.
1515	All of the 16-inch intermediate casing segments are in the hole, averaging 12 to 15 minutes per joint weld resulting in seven (7) hours and 45 minutes to install the casing.
1537	YBI plans to hook up in order to circulate mud into the hole for approximately two to three hours, then trip in with tremmie pipe and begin pressure grouting. Spoke with Jimmy and he stated that the reasons for circulating are to both clean the bottom of the hole and to clean the mud wall.

TIME	COMMENTS
1624	MR offsite
2038	YBI called and stated that the cementing process will begin in approximately 15 minutes.
2050	MR onsite
2117	Began pumping cement into the intermediate casing – pressure grout with 8% gel.
2142	100 barrels at 8% with a downhole pumping rate of 5.2 barrels per minute.
2212	The cement pump rate is 7.0 barrels/min.
2221	Switch pods – stop cementing
2226	Begin cementing with 100% neat Portland cement.
2235	Full cement return at land surface.
2255	YBI continued to pump 100% neat cement until the cement ran out approximately 900 ft uphole. The theoretical depth to the top of the cement was 450 ft. Total cement values: 395 ft of 8% and d67 ft of 100% neat cement at five (5) to seven (7) barrels/min.
	YBI worked on switching the rig over in preparation for reverse-air drilling. The cement had to cure for 24 hours; therefore, no additional work could be conducted on the LZMW-1B until 2330 on August 13.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, AUGUST 12, 2007** **GEOLOGIST: REGON** **ACTIVITY: REVERSE-AIR SITE PREPARATION**

CHRONOLOGY

TIME	COMMENTS
	YBI worked on switching the rig over in preparation for reverse-air drilling. The cement had to cure for 24 hours; therefore, no additional work could be conducted on the LZMW-1B until 2330.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, AUGUST 13, 2007** **SHIFT NO. 1** FROM **2150** TO **0900** (8/14) **GEOLOGIST: REGON & GUNTER** **ACTIVITY: LZMW-1B REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
	YBI continues maintenance work and preparing the drill rig for reverse-air drilling on the lower zone monitoring well (LZMW-1B). YBI plans on commencing drilling in the evening.
	MR and MG work onsite for reviewing and entering data.
2150	MR and MG onsite for reverse-air drilling. Currently drilling through the cement plug located at the bottom of the casing.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, AUGUST 14, 2007** **SHIFT NO. 1** FROM **0000** TO **0840** **SHIFT NO. 2** FROM **0840** TO **1645** **GEOLOGIST: REGON & GUNTER** **ACTIVITY: LZMW-1B REVERSE-AIR DRILLING & SPECIFIC CAPACITY TESTING**

CHRONOLOGY

TIME	COMMENTS
0030	Conduct first specific capacity test under artesian conditions. Collected water samples at a depth of 1217 ft. bls for analysis in the field and by Sanders Laboratory.
0140	Rod change at 1247 ft. bls.
0225	Jason McDaniel (YBI) collects water quality sample at 1277 ft. Conducted a specific capacity test that consisted of measuring the static and pumping water levels and determining the well/formation flow rate under artesian conditions.
0338	YBI is cleaning out the cutting disposal / water circulation tank to be disposed of offsite.
0345	Rod change at 1307 ft. bls.
0430	Conducted specific capacity test under artesian conditions at 1337 ft. Collected water quality samples to be analyzed in the field for total dissolved solids (TDS), specific conductivity, and temperature. The samples will be analyzed by Sanders Laboratories, Inc. for sulfate, chloride, pH, TDS, and specific conductance.
0615	Conducted specific capacity test at 1397 ft. under artesian conditions. Collected water quality samples.
0700	Specific capacities are much lower than encountered in LZMW-1A. Attempted specific capacity test using the tank method under pumping conditions but the flow rate is not high enough. There is a leak at the well head assembly, which may be impacting the pressure in the system under artesian conditions. Bill Steel (YBI) is attempting to plug the leaks.
0843	MR onsite. MG states that the specific capacity test did not increase during the evening. The flow rate remains around 30 gallons per minute (gpm) with a drawdown of approximately five (5) ft. and the specific capacity is running around five (5) gpm/ft. After speaking with Tom Farkas (PBSJ) and he stated that the lower specific capacities are a truer representation.
1149	Conduct specific capacity test at a depth of 1517 ft. bls. Collected water quality samples.
1236	Continue with specific capacity testing and the results appear to be consistent. MR offsite.

TIME	COMMENTS
1342	MR onsite and conducting specific capacity testing.
1400	Conducted specific capacity test and collected water quality samples at a depth of 1577 ft. bls.
1500	The drill rig is shut down due to mechanical complications with the fuel system.
1642	MR offsite.
1710	Mike Wilson (YBI) stated that the part needed to repair the fuel line should be onsite by noon tomorrow, August 15 and the site will be shut down until then.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, AUGUST 15, 2007** **SHIFT NO. 1** FROM **0810** TO **0000** **GEOLOGIST: REGON & GUNTER** **ACTIVITY: LZMW-1B REVERSE-AIR DRILLING & SPECIFIC CAPACITY TESTING**

CHRONOLOGY

TIME	COMMENTS
0810	MR and MG onsite. YBI crew onsite awaiting the arrival of the fuel injector part for the drill rig.
1051	The part arrived onsite and the rig is repaired shortly thereafter.
1130	Begin drilling in the lower zone monitoring well (LZMW-1B) at 1605 ft. bls and the next specific capacity test will be conducted at 1637 ft.
1315	Conducted specific capacity test and collected water quality samples at a depth of 1637 ft bls.
1613	Collected water quality samples and conducted specific capacity test at a depth of 1697 ft. bls.
1900	MG onsite and MR offsite.
1915	Collected water quality samples and conducted specific capacity test at a depth of 1757 ft. bls.
2245	Conducted specific capacity test and collected water quality samples at a depth of 1817 ft. bls. The water sample was very milky in color even after extended flushing.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 16, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST: REGON & GUNTER** **ACTIVITY: LZMW-1B PILOT HOLE SPECIFIC CAPACITY & GEOPHYSICAL LOGGING**

CHRONOLOGY

TIME	COMMENTS
0020	The water being produced and used to drill the lower zone monitoring well (LZMW-1B) pilot hole utilizing the reverse-air drilling technique has become more milky and tan. An additional water quality sample was collected at a depth of 1847 ft. bls even though a specific capacity test was not being conducted. In order to determine whether the milky coloration was not due to a problem with the circulation system Jason McDaniel (YBI) and MG inspected the cutting disposal / water circulation tank area. It was noticed that due to the elevated water level in the tank, the water was filling the tank from the football and splashing over the east side of the mud/disposal tank and flowing into the containment pad. The day crew had allowed the containment pad to overflow, thus resulting in the puddling of water outside of the containment pad on the north side of the tank. Jason M. periodically empties the water in the containment pad back into the holding tank in order to prevent overflow. The weight of the water in the tank was compared to the weight of the mud mixture and the weight of the water was 8.4 lb/gal, whereas, 8.3 lb/gal is expected and the mud mixture was approximately 9.3 lb/gal. This comparison was conducted to make sure there was not a breech between the mud mixing tank and the water circulation / cutting disposal tank. The formation sample from a depth of 1830 to 1840 ft was reviewed and it was determined that the sample was primarily composed of fine grained, light tan limestone. It was observed that the cuttings in the disposal / circulation tank were last removed during the early morning of August 14th.
0200	It was noted that the geologic formation is 'drinking' more water than usual. In response to this, drilling was slowed down in order to allow time for the second smaller tank to fill with water in order to be used in the drilling process.
0307	Conducted specific capacity and collected water quality samples at a depth of 1877 ft. bls.
0450	Conducted specific capacity and collected water quality samples at the **total depth** of 1907 ft. bls.
0630	YBI is filling tanker truck with water from cutting disposal / water circulation tank to be disposed of offsite. MG offsite.

TIME	COMMENTS
1221	MR onsite. YBI continues to trip out of the hole.
1310	Geophysical logger onsite.
1420	Fluid conductivity and temperature log begins on the LZMW-1B pilot hole.
1522	Temperature, fluid conductivity, caliper and gamma ray logs are completed and the logging tool is removed from the pilot hole.
1620	The dual induction log is complete.
1625	Begin the borehole compensated (BHC) sonic log.
1730	The BHC sonic log is complete.
1845	Begin televiewer log. The televiewer log began earlier but an error was encountered around 1820 ft, therefore, the logging was stopped. The computer system was rebooted and the televiewer log was restarted.
2104	The televiewer log is complete. YBI will air develop the well in order to bring it alive in order to conduct dynamic geophysical logging.
2137	YBI prepares to develop the well by dropping in air pipe into the LZMW-1B.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 17, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **GEOPHYSICAL LOGGING**

CHRONOLOGY

TIME	COMMENTS
0038	MR& MG offsite until well is sufficiently alive for logging of static flow log
0214	Driller David called they are ready to do the static flow log - the pumps at the site have become a problem, the larger centrifugal pump can not be scaled back enough to not cavatate and the trash pump on site can only get 70 gpm the well is currently alive and flowing at 47 gpm
0342	Begin flow log (static) – TF had requested stations looked at during the log at 1800,1700,1600,1500 feet bls but no readings were registered at those depths (flow 0) no stations conducted - the pump problems continue, pumps are not strong enough or set correctly to get the recommended amount of discharge out.300 gpm
0526	After confirming with TF, YBI conducts the dynamic flow with the trash pump (external centrifugal 4hp) at 88 gpm, little influence is seen on the log
0817	After attempting to work with more and different pumps, YBI consults with TF requesting to perform the dynamic fluid conductivity log using the trash pump - TF gives the go ahead - Fluid conductivity logs is performed at 85 gpm after a total of 29,900 gal were evacuated
1022	Geophysical logging is complete
1041	MR offsite- YBI will trip out the drill rod and trip in with the single packer (TF will determine placement later) they then will trip back in with the packer, set it and set airline and develop the open interval
2008	Talked with YBI they are currently setting packer with centerline at 1788 ft bls, they will inflate the packer then trip airline in All pump and probe placement will remain the same through out the testing the pump will be set at 180 feet bls and the probe at 170 feet bls
2234	YBI (Dean) calls they are tripping in with airline, I advise them to begin development , then let me know the flow rate they are able to get out of the pump, the rate is appx 60 gpm

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 18, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **PACKER TESTING**

CHRONOLOGY

TIME	COMMENTS
0012	MR onsite to observe the end of air development Samples taken in the middle of development had conductivity of 37,000, TDS of 21,000 and at the end the 2 samples read 43,000 conductivity, and 25,000 TDS
0056	MR offsite, YBI will trip out airline, install the pump, set the pump rate, and recover the well for 2 hours, probes will be installed for 1 hr background
0510	MR onsite to being packer test
0531	Begin packer test
0930	End packer test; water quality showed conductivity 46,500, TDS 29,000, and a pump rate of 82 gpm Recovery begins and is run for 2 hours, final sample collected before the pump was shut off and preserved for the lab YBI will trip out the packer assembly and go back in with the straddle packer and airline
1900	YBI continues to work thought the night, several kills were needed to keep the well from coming alive as they tripped out

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 19, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **PACKER TESTING**

CHRONOLOGY

TIME	COMMENTS
1200	YBI pump developed the open interval for packer test 2 (1693-1753) at apx 23 gpm
1400	MR onsite to check the stabilization of water quality at the end of development
1630	Water quality is stable, pump off
1700	Background recording starts
1800	Packer test 2 begins; SWL 168.37
2220	MR offsite after observing the hermit probe put into recovery testing by YBI YBI will continue to trip out the straddle packer and pump and move to a setting depth of 1613-1673

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 20, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **PACKER TESTING**

CHRONOLOGY

TIME	COMMENTS
	YBI called and stated that again, an in the last test, they are not able to air develop due to a lack of formation transmissivity at this interval (1613-1673), they will install the 1.5 hp submersible pump and begin pump development
0830	MR onsite to check development progress – checked water quality Begin work on pay order request
1000	Pump still discharging at 7 gpm, will need to pump till 1pm to empty out 1 casing volume and 1 interval volume, the remaining 2 interval volumes will be evacuated during pump testing
1300	Pump off, monitor recovery, PWL = 47.8, recovered to 162.4 in 50 min
1400	Begin background logging
1500	Begin packer test 3 SWL = 169.4
1900	At the end of he test cond = 6250, TDS = 3310 at a rate of 7 gpm
1905	MR observed the step of the probes logging from pumping into recovery -YBI after 2100 will trip up the straddle to the next interval to be tested, 1523-1583 ft bls, set the packer and develop (air or pump)
1915	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 21, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **PACKER TESTING**

CHRONOLOGY

TIME	COMMENTS
0330	YBI begins pump development of the interval 1523-1583 at 23 gpm
0604	YBI notifies MR of pump development
0645	MR onsite to observe the end of pump development and test water quality stabilization
0730	Pump off, end of development
0800	Begin background logging
0900	begin packer test 4 SWL= 186.3, PWL = 68.73
1300	End packer test 4 cond= 3480, TDS 1793 at 23 gpm
1500	End recovery All packer test WQ samples were sent off to sanders lab on a rush order by YBI
1700	MR offsite YBI will trip the straddle packer assembly up the hole, inside the casing and wait for the water quality samples to return, and FDEPs approval of the testing protocol..

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 22, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **PACKER TESTING**

CHRONOLOGY

TIME	COMMENTS
	YBI continues to wait on the samples from sanders lab; the results are needed as part of a submittal to FDEP for approval of the casing setting depth, the monitor intervals for the lower zone and the upper zone, PBS&J will be submitting the lab and field water quality, hydrogeologic information for the approval

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 23, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **PACKER TESTING**

CHRONOLOGY

TIME	COMMENTS
	YBI continues to wait on the samples from sanders lab; the results are needed as part of a submittal to FDEP for approval of the casing setting depth, the monitor intervals for the lower zone and the upper zone, PBS&J will be submitting the lab and field water quality, hydrogeologic information for the approval

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 24, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **FDEP APPROVAL**

CHRONOLOGY

TIME	COMMENTS
	The water quality results of the packer tests are in from Sanders Lab the submittal to FDEP for approval of the casing setting depth, the monitor intervals for the lower zone and the upper zone, was submitted by PBS&J for the approval

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 25, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **FDEP APPROVAL**

CHRONOLOGY

TIME	COMMENTS
	The submittal is in to FDEP for casing approval, and monitor zone interval, all construction activities are stopped until approval to move forward is given.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 28, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **FDEP APPROVAL**

CHRONOLOGY

TIME	COMMENTS
	The submittal is in to FDEP for casing approval, and monitor zone interval, all construction activities are stopped until approval to move forward is given.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 29, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **FDEP APPROVAL**

CHRONOLOGY

TIME	COMMENTS
	FDEP approval given for apx 1800 ft bls for casing setting depth, and 1800-1907 LZ monitoring interval. YBI notified to finish pulling the packer and begin reaming

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, AUGUST 30, 2007** **SHIFT NO. 1** FROM **0000** TO **0630** **SHIFT NO. 2** FROM **1220** TO **0000** **GEOLOGIST**: **REGON** **ACTIVITY**: **REAMING**

CHRONOLOGY

TIME	COMMENTS
	YBI is reaming the 12.25 inch pilot hole to 14 inch borehole to a depth of 1786 feet bls FRP casing install will be on Sept 1 at 7am

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, AUGUST 31, 2007** **GEOLOGIST: REGON (not onsite)** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
10:00	Talked with YBI Mike Wilson he requests - not to ream the whole borehole due to the fact that the hole looks good at 1790 feet "as is" for a tight packer seal, they want to ream to 1786- set the packer between 1790-1796 feet bls
12:00	YBI requests also to set the bottom of the packer at 1796 feet bls, which is 4 ft above the approved casing setting depth of 1800 feet (apx) – Talked with Mike M. and he agrees that the setting depth has well as the reaming plan were both fine- updated TF
14:00	Talked with YBI , asked about the computer read outs for the power tongs used in setting the casing- they will check with the casing setting company to see if that is available
14:40	Casing install is scheduled for 7 am sat morning (Sept 1)
1530	YBI is planning on tripping out with the 14" reamer then geo log to specify that they have to go back in and clean out the hole with the 12.25 inch bit or not.. I told them that if they infact did find cuttings in the bottom of the hole they would need to clean out and then re-do geophysical logs
1645	After finding cuttings in the bottom of the borehole YBI tripped in with the 12.25 inch bit to clean out from 1786 to 1907 feet bls. They then conducted an XY caliper geophysical log to show the hole open to 1905 ft bls the small section of the hole from 1786-1804 is preserved for packer setting

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, SEPTEMBER 1, 2007** **GEOLOGIST: REGON** **ACTIVITY: SETTING CASING**

CHRONOLOGY

TIME	COMMENTS
4:00	MR enroute to the site for casing install
7:12	MR onsite; they are not ready to install till apx 11am, MR offsite
10:41	MR onsite for packer setting and casing install- witnessed the "make up between packer and first joint of FRP- Mike Wilson recorded all torque numbers from each make up, as print outs were not available, he will give them to PBSJ at his earliest convience
1200	Lunch break 21 joints in the hole; each make up consists of tephlon tape on the male threads, a tephlon sealant on top of the tape applied with a small brush, each joint is then fit together by hand and tightened with power tongs to a torque of between 650 and 750 lbs of pressure.
21:07	Last piece of casing installed (62 joints + 6 foot packer + 10 foot steel header) full string is 1796 ft
2201	MR off site- YBI will prep for grouting in the AM

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, SEPTEMBER 2, 2007** **GEOLOGIST: REGON** **ACTIVITY: CEMENTING**

CHRONOLOGY

TIME	COMMENTS
7:10	MR onsite: YBI's Jimmy Brantly onsite, will pumps a small pour ontop of the inflated packer. The packer is currently inflated and holding at 100 psi, Mike Wilson YBI informs me that it has been inflated for 3 hours and is holding at 100 psi (this is a preliminary pressure test that YBI conducts to check the joints for leaks before cementing up the annulus)
740	4 barrels of 100% neat cement down the hole, this will serve as a plug to hold the weight of the future stages and preserve the seal the packer has with the wall of the well
800	The pour is complete; a fluid return is observed at landsurface. The packer pressure is holding at 102 psi.
930	MR offsite till the second pour tonight
2108	Second lift will consist of 10 barrels which reinforce the 4 barrel plug and will further protect it from the weight of future pours
2137	Cement poured; 10 barrels at 100% neat , a full fluid return witnessed , the packer pressure is holding at 104 psi.
2240	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, SEPTEMBER 3, 2007** **GEOLOGIST: REGON** **ACTIVITY: CEMENTING**

CHRONOLOGY

TIME	COMMENTS
11:12	MR onsite for the third cement lift, the temp log conducted showed the cement top at 1715 ft bls with a cement top tag of 1718 ft bls from the previous 2 lifts
1141	Third lift consists of 39 barrels of 100% neat (to bring the total cement coverage in the bottom of the hole to 100 feet of neat, per spec) then switch over and pump 98 barrels of 6% cement additive, the theoretical lift is 500 ft, a total of 137 barrels are pumped , full fluid return witnessed at landsurface and the packer is holding at 108 psi.
1319	Third stage pump done, YBI is tripping up a few tremmie sticks to not get caught, will close in the well and wait till the next pour in 12 hours.
1325	MR offsite
2301	MR onsite for fourth stage, temp tag shows the cement top at 1236 ft bls, hard tag is 1235 ft bls from stage three Stage four will be 85 barrels of 6% additive, YBI will empty the cement silo with this pump and will get a new delivery of cement by the next pump.
0042	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, SEPTEMBER 4, 2007** **GEOLOGIST: REGON** **ACTIVITY: CEMENTING**

CHRONOLOGY

TIME	COMMENTS
8:07	MR onsite to prepare for monthly site meeting, YBI still has not taken delivery of cement needed for this afternoons pour.
10:00	Monthly site meeting; in attendance, FGUA : David Huff, John, YBI: Craig Brugger, Mike Wilson, PBS&J: Tom Farkas, Michelle Regon Items discussed: Eagle issues – 350 ft perimeter and storage issues Site access- gate access
11:45	Talked with Mike W he states cement refill will be here with in a half hour, then we will begin pumping the fifth stage of cement on the LZMW-1B
1240	Cement arrives
1352	Ready to pump cement theoretical = 110 barrels at 6% to achieve a 500 ft lift
1612	110 barrels pumped , full fluid return witnessed at landsurface, packer is holding pressure at 108 psi
1630	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, SEPTEMBER 5, 2007** **GEOLOGIST: REGON (off site)** **ACTIVITY: CEMENTING**

CHRONOLOGY

TIME	COMMENTS
	YBI had temp log and cement bond log run over night, the cement bond log requires apx 200 feet of open casing to calibrate so it was run before the last cement stage
	Cement top is tagged at 188 feet bls; YBI has told me that they have determined that the barrel counter on the cement pumper was "off" and was consistently pumping more barrels of cement than they had calculated, making the percentage of gel additive less than 6% and making the barrel count of each stage lower than actual. They will attempt to fix this before the next stage
	For the final stage the theoretical cement volume, to bring the cement to landsurface is 33 barrels at 100% neat (per the spec that the top 100 feet of cement should be 100% neat)
	YBI pumped the final stage = 31 barrels of neat, they witnessed a full cement return at landsurface then proceeded to wash down the inside of the casing with a hose, making the cement top approximately 3 feet bls which will prevent any interference at the well head.. YBI closed in the well and allowed it to cure – the pressure test will neet to be conducted after the cement has cured, cooled and the well temp has equilibrated (10-12hrs)

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, SEPTEMBER 6, 2007** **GEOLOGIST: REGON** **ACTIVITY: PRESSURE TESTING**

CHRONOLOGY

TIME	COMMENTS
9:00	MR onsite; YBI has circulated water inside of the casing over night, creating a temp gradient, inside the casing , this will need to equilibrate before pressure testing
1200	The pressure is inside the FRP is gaining at a rate of 25 psi per hour
1500	The pressure inside the FRP is gaining at a rate of 7 psi per hour
1642	Will conducte the pressure test first thing in the morning, after sitting all night the well will be equilibrated and able to pass the test

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, SEPTEMBER 7, 2007** **GEOLOGIST: REGON** **ACTIVITY: PRESSURE TESTING**

CHRONOLOGY

TIME	COMMENTS
8:00	MR onsite; YBI ran a preliminary pressure test at 50 psi starting at 7 am and it passed at a + .25 psi raise per hour.
8:15	Reset gage and pressure to 50 psi began test
9:15	End of test with pressure reading of 50.25 psi, test is passed (FDEP regulation is a passing at +/- 5% which would have been a +/- of 2.5 psi)
9:35	Drained off the pressure and took apx 11.5 gallons to reach 0 pressure
9:45	Talked with TF to update and confirm a passed pressure test on the LZMW-1B and requested that YBI move forward and pressure up the California packer until the shear pins broke and the bottom plate came off- opening the casing up to the open interval- TF approved
10:08	Pressured the casing to 350 psi and the bottom disk of the packer sheared off (pressure went to 0). YBI will trip in with air line to the bottom of the packer to make sure the bottom plate came off cleanly and completely
12:30	YBI begins teardown and demobilization of the LZMW-1B rig and equipment

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Monday, SEPTEMBER 10, 2007** **GEOLOGIST: REGON (not on site)** **ACTIVITY: De/Re- Mobilization**

CHRONOLOGY

TIME	COMMENTS
	YBI begins moving the rig over to UZMW-1, they will demobilize from LZMW-1B and remobilize over to UZMW-1

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Tuesday, SEPTEMBER 11, 2007** **GEOLOGIST: REGON (not on site)** **ACTIVITY: De/Re- Mobilization**

CHRONOLOGY

TIME	COMMENTS
	YBI continues moving the rig over to UZMW-1

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Wednesday, SEPTEMBER 12, 2007** **GEOLOGIST: REGON (not on site)** **ACTIVITY: De/Re- Mobilization**

CHRONOLOGY

TIME	COMMENTS
	YBI continues moving the rig over to UZMW-1- will be ready by tomorrow morning to begin drilling again.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Thursday, SEPTEMBER 13, 2007** **GEOLOGIST: REGON** **ACTIVITY: UZMW-1 Pilot Hole Drilling**

CHRONOLOGY

TIME	COMMENTS
6:00	MR enroute to Lehigh Acres
9:00	MR onsite Rig set up on UZMW-1 and is running, YBI is currently tripping into the hole and conditioning the mud and fluid in the hole, in preparation to develop out the sand layers.
11:15	YBI continues to condition the mud and fluid in the hole, they are beginning to encounter sand sediments at apx 800 feet bls.
1241	Drilling with 12.25 inch bit at 880 feet bls, in soft LS all sand layers appear to be held back by mud cake in the walls Rig is down due to the a hydraulic line leak
13:15	Rig is back up and continuing to pilot hole drill
1348	MR off site
1500	MR onsite; talked with Clay Ferguson (YBI) he explained the CBL to me and we discussed what logs can be run on the UZMW-1 in the mudded pilot hole, we should be able to run the XY caliper, gamma, dual induction, sonic and BHC logs as well as Log derived TDS.
1649	MR offsite
1800	Rig is shut down due to broke fuel injection line, YBI will continue to circulate mud in the hole until the repair takes place, they currently have 1080 feet of string hanging in the hole unable to lift it out until the fuel line is repaired

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Friday, SEPTEMBER 14, 2007** **GEOLOGIST: REGON** **ACTIVITY: UZMW-1 Pilot Hole Drilling**

CHRONOLOGY

TIME	COMMENTS
8:10	MR onsite- Rig continues to be shut down awaiting the right part for the fuel injection line; YBI continues to circulate mud in the hole until they can trip the string up into the casing
940	YBI has located a new fuel line part in Orlando it will be here and repaired around 7pm tonight; YBI will then continue pilot hole drilling until approx 2am then trip out the string to inside the casing until Monday morning
12:25	MR working on paper work at the site
13:50	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Thursday, SEPTEMBER 13, 2007** **GEOLOGIST: REGON** **ACTIVITY: UZMW-1 Pilot Hole Drilling**

CHRONOLOGY

TIME	COMMENTS
6:00	MR enroute to Lehigh Acres
9:00	MR onsite Rig set up on UZMW-1 and is running, YBI is currently tripping into the hole and conditioning the mud and fluid in the hole, in preparation to develop out the sand layers.
11:15	YBI continues to condition the mud and fluid in the hole, they are beginning to encounter sand sediments at apx 800 feet bls.
1241	Drilling with 12.25 inch bit at 880 feet bls, in soft LS all sand layers appear to be held back by mud cake in the walls Rig is down due to the a hydraulic line leak
13:15	Rig is back up and continuing to pilot hole drill
1348	MR off site
1500	MR onsite; talked with Clay Ferguson (YBI) he explained the CBL to me and we discussed what logs can be run on the UZMW-1 in the mudded pilot hole, we should be able to run the XY caliper, gamma, dual induction, sonic and BHC logs as well as Log derived TDS.
1649	MR offsite
1800	Rig is shut down due to broke fuel injection line, YBI will continue to circulate mud in the hole until the repair takes place, they currently have 1080 feet of string hanging in the hole unable to lift it out until the fuel line is repaired

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Friday, SEPTEMBER 14, 2007** **GEOLOGIST: REGON** **ACTIVITY: UZMW-1 Pilot Hole Drilling**

CHRONOLOGY

TIME	COMMENTS
8:10	MR onsite- Rig continues to be shut down awaiting the right part for the fuel injection line; YBI continues to circulate mud in the hole until they can trip the string up into the casing
940	YBI has located a new fuel line part in Orlando it will be here and repaired around 7pm tonight; YBI will then continue pilot hole drilling until approx 2am then trip out the string to inside the casing until Monday morning
12:25	MR working on paper work at the site
13:50	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Monday, SEPTEMBER 17, 2007** **GEOLOGIST: REGON** **ACTIVITY: UZMW-1 Pilot Hole Drilling**

CHRONOLOGY

TIME	COMMENTS
6:00	MR enroute to Lehigh Acres
9:15	MR onsite, currently drilling @ 1345 ft bls; talked with Mike W, he states that apx 6pm Friday (14th) the rig was repaired and resumed drilling to apx 1200 feet bls, before pulling the rod and bit back up into the casing for the weekend At shift start YBI tripped back in to the bottom and began drilling
11:21	Currently drilling with 12.25 inch bit at 1397 ft bls
18:24	Made total depth at 1578 feet bls; YBI will clean out the hole for apx 1 hour than trip out to prepare for geophysical logging
23:17	Mike W (YBI) called Geophysical logging will be at apx midnight.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Tuesday, SEPTEMBER 18, 2007** **GEOLOGIST: REGON** **ACTIVITY: Geophysical logging/ reaming**

CHRONOLOGY

TIME	COMMENTS
00:21	MR onsite, logging truck onsite and set up to begin caliper gamma log
1:35	Caliper/ Gamma log done, hole is gauge and straight
1:41	In with the Dual Induction tool
2:19	Out with the Dual Induction Tool
2:28	In with the Sonic BHC
3:25	Out with the Sonic BHC tool- YBI ran a log derived TDS and showed all TDS readings to be less that 4000 mg/L (confirming that the monitoring interval is above the base of the USDW) YBI will print all field copies and make PDF of the logs
4:00	MR offsite, field copies delivered and sent off with lith logs to TF for submittal to FDEP for casing setting approval
12:30	Talked with Mike Wilson (YBI) he states that they are tripping in with the 14 inch reaming bit to 800 feet bls where they will begin reaming the pilot hole, they will ream the remainder of today and tomorrow to a depth of 1497 feet bls, leaving a 12.25 inch gauge hole from 1497-1578 feet bls; packer setting at 1497-1504 feet bls
15:42	MR off site- returning back to the Tampa office

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Wednesday, SEPTEMBER 19, 2007** **GEOLOGIST: REGON (offsite)** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Talked with Mike W he states that they continue to ream to 1497 ft bls then are going to trip in with 12.25 inch bit and clean hole from 1497 -1578 ft bls
	Casing setting crew will be available to case tomorrow- geophysical of the reamed hole will happen first at shift change tomorrow morning - YBI submitted cementing plan for UZMW-1 to PBSJ today

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Thursday, SEPTEMBER 20, 2007** **GEOLOGIST: REGON** **ACTIVITY: Geophysical logging/ Casing Installation/ cementing**

CHRONOLOGY

TIME	COMMENTS
4:15	MR enroute to Lehigh Acres
7:10	MR onsite; geophysical loggers onsite and set up. Talked with Mike Wilson – all went according to plan for the reaming and hole cleaning out .
7:12	In with the XY caliper tool
8:00	Hole has 2 washed out areas, but other than that the hole is gauge and straight. Shelf at 1497 ft bls is intacted and looks good for setting the packer. The hole below 1500 ft bls is gauge and straight to the bottom at 1574 ft bls -casing crew is onsite to prep the FRP (tephlon tape and sealant)
8:22	Out with XY caliper gamma tool- will submit field copies and PDFs to PBSJ
10:22	Begin hanging first casing string = casing (FRP 6'') 30 ft + packer assembly with collar connector 7 ft first string is apx 37 ft log
15:41	Done with casing install, last piece is a 32 ; steel sleeve (riser) all troque pressures are recorded at each 'make up" - YBI needs to prep for first cement grout pour- will call before cement pour - MR off site
21:03	4 barrel 100% neat cement pour for the 1st plug above the inflated packer- packer pressure holds at 100 psi , full fluid return witnessed at LS, next pour will be in a couple hours
23:10	Cement tag of the 1 st plug shot shows a lower lift than expected YBI opts to pump another 4 barrel 100% neat plug shot, ontop of the first, packer pressure has held @ 102 psi for several hours
23:15	Begin 2nd plug shot – full fluid return witnessed at the well head
23:20	Done cement this shot will wait for a couple hours and pump a slightly larger shot on top of the 2 plug shots.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, SEPTEMBER 21, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: UZMW-1 CEMENTING**

CHRONOLOGY

TIME	COMMENTS
10:00	MR onsite; spoke with Mike W, he states that the tag from last night was 1330 feet bls
12:30	Geophysical logger onsite for temp tag, which shows cement to at 1315 feet bls- good correlation
13:45	Cement pumpers onsite planned to pump theoretical 500 foot lift = 106 barrels of 6%
14:10	Begin pumping stage 3 cement pour
14:18	Stopped to pull 3 joints; 33 barrels in the hole
14:20	Reconnected and pumping again
14:23	Stopped pumping, barrel counter broke, so we would nto have any idea how many barrels are being pumped and now much gel to fix in with the cement- stopped pumping till fixed – total barrels in the hole = 45
17:20	Heard from TF and Mike Wilson YBI is requesting to pump sooner than 12 hours due to sand intrusion- want to pump when cement is hard (apx 22:00) – will get temp tag done and fix the barrel counter
21:15	MR onsite – no geologging yet barrel counter has been repaired – cement personnel onsite
23:08	Geologger onsite for Temp log, hard tag= 1068 ft bls, temp tag 1072 ft bls
	Theoretical for the next pump is 230 barrels at 6% bringing the theoretical tag to 560 feet bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Saturday, SEPTEMBER 22, 2007** **GEOLOGIST: REGON** **ACTIVITY: Cementing**

CHRONOLOGY

TIME	COMMENTS
00:12	Begin stage 4 cement pump; will pump and pull every 33 barrels; between 3-4 joints pulled each time to stay ahead of the cement top
1:37	265 barrels pumped at 6% gel full fluid return @ landsurface no loss of circulation; @ 150 barrels the mud was extrememly thick and light, the heavey mud used to condition the sand zone; no apparent sand in the mud- physical tag will be in the morning (7-8am) to see if we made it inside the casing
2:15	MR offsite
9:10	Mike with YBI called and stated that the had tag is 270 ft bls and that by accident (miss spoken) he told the cementers to pour too much cement (265 barrels rather than 230 barrels) also he feels that there is the possibility of some channeling through the heavy mud zone (sand zone) but assures me that there is a good seal and the cement job is good.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Monday, SEPTEMBER 24, 2007** **GEOLOGIST: REGON** **ACTIVITY: Cementing**

CHRONOLOGY

TIME	COMMENTS
0834	MR onsite for cement pour – stage 5
0930	Last stage of cement consists of 44 barrels of 4% bentonite gel – full cement return witnessed at land surface by PBSJ
	YBI washed the cement down into the casing a couple feet (2-3 ft) to prevent any interference with the well head
	They will trip in with the tremmie to circulate inside the casing to help cool the cement to prep for casing pressure test tomorrow

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Tuesday, SEPTEMBER 25, 2007** **GEOLOGIST: REGON** **ACTIVITY: Casing Pressure Test**

CHRONOLOGY

TIME	COMMENTS
8:41	MR onsite; YBI is ready for pressure test- they state that 2 tests have passed already since 7am
8:50	Reset to 50 PSI test begins
9:50	Test passed with a psi change of + 2.5 psi (5%)
10:00	Pressure is bled off into a bucket with apx 6.5 gals resulting
10:27	The system was pressurized up again and the pressure disk was blown off the bottom of the packer at 250 psi
	YBI then tripped in airline to both knock off the seal and make sure the casing was truly open, and began cleaning out the hole of mud in the bottom.
	YBI will continue to develop and clean out both UZ + LZ wells today.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Wednesday, SEPTEMBER 26, 2007** **GEOLOGIST: REGON** **ACTIVITY: Development**

CHRONOLOGY

TIME	COMMENTS
	YBI has tanker trucks enroute to clean out the pits so development can continue, currently both wells are pumping. LZ with a 3 inch external centrifigual pump and UZ by airlift
	In the tan – where .1 ft = 900 gal- LZ was developed 1.1 ft = 9,900 gal, and UZ was developed .7 ft = 6,300 gal
	Quantities needed for development: LZ= 10,160 gal and UZ= 8,313 gal

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: Thursday, SEPTEMBER 27, 2007** **GEOLOGIST: REGON** **ACTIVITY: Development**

CHRONOLOGY

TIME	COMMENTS
810	MR onsite for background water quality sampling
	YBI continues to develop both wells (at present they are over the needed quantities)
	UZ is flowing artisian
9:00	Took water quality sample to ensure complete development and stabilization; will take samples every hour until sanders personel arrive to collect the background water quality samples
11:45	Sanders lab personel onsite; begin sampling
12:41	Sampling done
1305	MR off site; YBI will demobilize and close the well heads

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, NOVEMBER 19, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
9:30	MR enroute to Lehigh Site
12:10	MR onsite; rig is set up, driller Jeff is at the rig, met with Kevin (drilling supervisor) discussed pay requests, morning meetings, required work for resident geo.
1345	Currently drilling with 58.5 inch bit at 24 feet bls; samples are taken every 10 feet (x2)
1530	YBI drilling at 40 feet bls; will drill to 60 feet and set 54 inch pit casing
1610	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, NOVEMBER 20, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
8:02	MR onsite talked with Kevin; he has the pay requests @ the trailer for my review
9:30	Updated TF and MG by email- background water quality results were received - overnight the 54 inch .375 wall steel casing was installed to 57 feet bls (60 feet of pipe) grouted in place with 100 % neat cement
1042	Talked with TF – need to get milling certs on 42 inch casing, catalogue stored materials on site, discuss work schedules over the holiday in particular Wed and Thurs
1356	YBI will not drill further today; they are waiting for the pit casing to cure completely
1712	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, NOVEMBER 21, 2007** **GEOLOGIST: M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
07:00	YBI attempted to continue pilot hole drilling of the deep injection well (DIW-1) but encountered wellhead and rig complications. YBI serviced the deep injection well (DIW-1) rig booster pumps.
07:20	MR onsite.
08:00	Drilling commenced at a depth of 220 feet bls.
09:25	MR offsite. MG will be onsite Friday morning.
10:00	Drilling of the pilot hole with a 12.25-inch tricone drill bit continued to a depth of 447 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, NOVEMBER 22, 2007** **GEOLOGIST**: **ACTIVITY**: **DIW-1 PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
07:00	YBI serviced the deep injection well (DIW-1) rig screens.
08:00	Drilling commenced at a depth of 447 feet bls until an approximate depth of 500 feet bls.
13:00	The drill rods were tripped out to the end of the 54-inch pit casing at an approximate depth of 57 feet bls. No further activity occurred at the site due to the holiday.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, NOVEMBER 23, 2007** **GEOLOGIST: M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE DRILLING**

CHRONOLOGY

TIME	COMMENTS
09:00	MG onsite. Plans to identify geologic formation samples.
09:30	Mud rotary drilling of the deep injection well (DIW-1) pilot hole commenced at an approximate depth of 500 feet bls with a 12.25-inch drill bit.
10:15	Delivery of four segments of the 42-inch surface casing.
12:00	Begin drilling with the next 80-foot drill rod. The driller mentioned that he had been drilling through clay for quite some time. Comparison with the lithologic log from the lower zone monitoring well (LZMW-1B) concurs with clay from approximately 150 to 540 feet bls. Drilling activity ceased in order to repair a leak in one of the pump fittings.
12:40	Resume drilling. Drilling was halted again in order to continue repair on the pump.
13:30	Resume drilling.
14:30	Complete drilling with the 80-foot drill rod. Formation samples up to 630 feet have been collected.
15:10	Begin drilling.
16:00	Complete drilling with drill rod.
16:40	Begin drilling with the next drill rod.
17:40	Complete drilling with drill rod.
18:45	Begin drilling with next drill rod.
18:55	Current depth is approximately 815 feet bls.
19:00	MG offsite. Crew will continue to drill the pilot hole throughout the night.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, NOVEMBER 24, 2007** **GEOLOGIST: M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE DRILLING & GEOPHYSICAL LOGGING**

CHRONOLOGY

TIME	COMMENTS
07:00	Mud rotary drilling the deep injection well (DIW-1) pilot hole with a 12.25-inch drill bit to an approximate depth of 1,081 feet bls.
08:30	MG onsite. Plans to continue identifying geologic formation samples. The drilling of the pilot hole is at an approximate depth of 1,120 feet bls. YBI crew halted drilling in order to inspect a potential line leak.
08:50	Mud rotary drilling of the DIW-1 pilot hole commenced. The welder is onsite welding the 'dog ears' to the 42-inch surface casing.
09:50	YBI reached the approximate depth of 1,202 feet bls and have begun circulating in the pilot hole.
10:50	YBI has begun tripping out the drill rods in preparation for geophysical logging. The logging will be conducted in order to assist in the determination of the 42-inch surface casing depth.
18:00	YBI has completed tripping out the drill rods. The YBI geophysical logger is onsite.
18:30	The logger lowered the caliper / gamma ray geophysical tool / sensor into the pilot hole.
18:55	Began the caliper / gamma ray logging.
19:20	The caliper / gamma ray logs are complete. Six copies of the logging results were provided to PBS&J.
19:45	Began the dual induction logging.
20:00	Complete the dual induction logging.
20:26	Logger delivered to PBS&J five copies of the dual induction log results and a CD that contained the caliper, gamma ray and dual induction log results.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, NOVEMBER 25, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 REAMING**

CHRONOLOGY

TIME	COMMENTS
16:18	MR onsite; YBI is currently reaming the deep injection well (DIW-1) at 125 feet bls to 1,200 feet bls; reaming bit is 52.5 inches in diameter.
18:22	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, NOVEMBER 26, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 REAMING**

CHRONOLOGY

TIME	COMMENTS
7:41	MR onsite; YBI is currently reaming at 260 feet bls.
8:15	Meet with Kevin (YBI) to discuss updates on the site and reaming schedule. Kevin requests changes to the % grout and quantities of gel used in the next grouting and we reviewed the cement procedures.
10:09	Updated Tom Farkas; confirmed cementing protocol; 100% neat in bottom100 feet, 12% in the middle and up to 4% in the top 100 feet.
11:15	PBSJ submits the 42-inch surface casing approval request to FDEP with a casing seat recommendation of 1,180 feet bls
12:42	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, NOVEMBER 27, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 REAMING**

CHRONOLOGY

TIME	COMMENTS
6:15	Reaming the deep injection well (DIW-1) at 408 feet bls in clay; updated Tom Farkas about the reaming progress; spoke with Kevin to relay that we are planning on halting reaming at 1,180 feet bls.
	Received approval from FDEP for 42-inch surface casing setting depth at 1,180 feet bls
18:30	Check in with the site - reaming at 470 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, NOVEMBER 28, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 REAMING**

CHRONOLOGY

TIME	COMMENTS
6:30	MR onsite. YBI reaming at 550 feet bls; spoke with Kevin (YBI Drilling Supervisor) about progress and scheduling; will ream through Sunday (12/2) and begin installing casing on Monday (12/3).
16:15	Check in at site currently reaming at 675 feet bls; updated Tom Farkas on the progress

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, NOVEMBER 29, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 REAMING**

CHRONOLOGY

TIME	COMMENTS
6:45	MR check in at the site; currently reaming the deep injection well (DIW-1) at 740 feet bls – repairs were needed last night with the rig "plumbing." Kevin states that they will make a couple wiper trips up the hole to get the squeezing clay out of the way and keep the walls of the borehole open and clean.
17:10	MR onsite to check on progress still reaming at 760 feet bls (prior to the sand interval) and the wiper trips were completed.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, NOVEMBER 30, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 REAMING**

CHRONOLOGY

TIME	COMMENTS
8:08	MR check in at the site; currently reaming the deep injection well (DIW-1) at 810 feet bls –Kevin states that they will continue to make wiper trips up the hole to get the squeezing clay out of the way and keep the walls of the borehole open and clean.
14:15	MR off site till reaming is completed: currently reaming at 920 feet bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, DECEMBER 1, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming continues thru all sand layers with out any problems; will continue to ream to 1180 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, DECEMBER 2, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming continues on hard rock at apx 1100 feet bls made a wiper trip to keep the hole open and clean

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, DECEMBER 3, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 REAMING**

CHRONOLOGY

TIME	COMMENTS
11:30	MR onsite, reaming concluded at 1185 feet bls at apx 1030am; will continue wiper trips for the next couple days to clean the hole, checked in all the casing against the milling certificates

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, DECEMBER 4, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 REAMING**

CHRONOLOGY

TIME	COMMENTS
11:30	MR onsite, cleaning of the reamed hole continues, with several wiper trips; talked with kevin the hole is dirty due to the fact that they used a heavy mud to manage the sand layers which then contributed to the clay layers expanding into the hole

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, DECEMBER 5, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 REAMING**

CHRONOLOGY

TIME	COMMENTS
11:30	MR onsite, cleaning of the reamed hole continues, with several wiper trips; talked with kevin installation of the 42 inch casing will begin tomorrow, geophysical logging is scheduled for early morning.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, DECEMBER 6, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 CASING INSTALL**

CHRONOLOGY

TIME	COMMENTS
4:00	Received a call from Mark (driller) geo logging is ready
4:08	MR onsite; geologging truck is set up, with caliper tool suspended above the drill floor
4:38	Caliper tool is in the hole, going to bottom (tested arms opening at landsurface before sending it down the hole) Problem with the caliper arm; stopped logging and started again @ 1182 ft bls, bottom is 1186 ft bls
4:57	Began logging at 1182 ft bls- the hole is 51.75 inches in diameter Hole is straight, and gage and in round Slight constriction at clay layer
5:36	XY caliper/ gamma done- logging done YBI provides a PDF and 3 field copies
6:32	Begin hanging casing
6:41	First weld
9:40	Weld initiated between #3 and #4
1020	#4 going in the hole
1104	#5 going in the hole
1132	Welding #6 in place
1141	#6 going in the hole
1228	#7 going in the hole
1301	#8 going in the hole
1354	#9 going in the hole
1456	#10 going in the hole
1546	#11 going in the hole
1626	#12 going in the hole
1703	#13 going in the hole
1746	#14 going in the hole
1822	#15 going in the hole
1945	#16 going in the hole
2024	#17 going in the hole

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, DECEMBER 7, 2007** **GEOLOGIST: M. GUNTER** **ACTIVITY: DIW-1 SURFACE CASING INSTALLATION & CEMENTING**

CHRONOLOGY

TIME	COMMENTS
00:00	Installation of the 42-inch surface casing is occurring on the deep injection well (DIW-1). Segment 21 of 30 segments of 40-foot steel casing was lowered into the hole.
00:21	Welders had to trim the casing segment in order to be more flush with the next casing segment.
00:55	Began welding. Welders were using welding rods 7018.
01:22	Casing segment 22 was lowered into the hole.
02:14	Casing segment 23 was lowered into the hole.
02:54	Casing segment 24 was lowered into the hole.
03:58	Casing segment 25 was lowered into the hole. Next casing segment required additional time to make it flush with the following segment.
05:28	Casing segment 26 was lowered into the hole.
06:33	Casing segment 27 was lowered into the hole.
08:06	Casing segment 28 was lowered into the hole.
09:10	Casing segment 29 was lowered into the hole.
10:15	Casing segment 30 was lowered into the hole.
11:00	Welder adding fins to the final casing.
11:45	YBI plans on circulating within the hole for 1.5 to 2 hours prior to grouting the casing.
13:00	YBI logger delivered multiple copies of all of the LZMW-1B and UZMW-1 geophysical logs
13:16	Preparing to install the tremmie pipe utilized for grouting.
13:43	Cement crew onsite.
14:40	YBI began loading the tremmie pipe into the surface casing.
15:45	Flush the grout system with 22 barrels of fresh water.
16:00	The cementing process was halted due to a cement mixer malfunction. Another mixer will be brought in.
18:16	Pressure grouting of the 42-inch DIW-1 surface casing began. A slight change was made to the cement plan: 350 barrels of 12% bentonite additive cement followed by 86 barrels of 100% neat Type II cement.
18:23	50 barrels of 12% additive cement pumped at a rate of 5.0 barrels/min and a cement weight of 12.6 lbs/gal.
18:33	101 barrels of cement pumped at a rate of 4.8 bbls/min; pressure of 28 psi.
18:45	161 barrels of cement pumped at a rate of 5.1 bbls/min; pressure of 46 psi.

TIME	COMMENTS
18:53	200 barrels of cement pumped at a rate of 5.1 bbls/min; pressure of 58 psi
18:59	233 barrels of cement pumped.
19:06	266 barrels of cement pumped; pressure of 70 psi.
19:12	The pressure was raising, approaching 100 psi, therefore Kevin (YBI) decided to use 300 barrels of 12% additive followed by 86 barrels of 100% neat cement.
19:23	341 barrels total pumped at a rate of 4.1 bbls/min and a cement weight of 15.6 lbs/gal; pressure of 94 psi.
19:31	374 barrels of cement pumped; pressure of 104 psi.
19:34	Stage 1 of the surface casing grouting was completed with 300 barrels of 12% additive cement and 86 barrels of 100% neat cement; chased with 7 barrels of fresh water.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, DECEMBER 8, 2007** **GEOLOGIST: M. GUNTER, M. REGON** **ACTIVITY: DIW-1 SURFACE CASING CEMENTING**

CHRONOLOGY

TIME	COMMENTS
06:00	MG onsite. Geophysical logger onsite to conduct the temperature log for the first stage of cementing/grouting of the deep injection well (DIW-1) 42-inch surface casing. The casing is set to 1,180 feet bls. 386 barrels were pumped yesterday; 300 were 12% bentonite additive and 86 were 100% neat. The theoretical fill was to approximately 736 feet bls. The temperature logged showed a cement top at approximately 730 ft bls.
06:46	Temperature log was completed.
08:00	YBI loading tremmie pipe back into the annulus of the casing. YBI is also moving the pumps used during mud rotary drilling offsite.
	The tag of the cement top was at approximately 695 feet bls. Kevin (YBI) stated that with such a large hole, it is possible for the cement to channel up 30 feet. On the temperature log there was a slight blip at 695 feet bls. The next cement stage is planned for 317 barrels of 12% bentonite additive cement. This will result in a total of 703 barrels thus far, which results in a theoretical cement top at approximately 375 feet bls. YBI plans on cementing Stage 3 of the grouting generally 10 hours following the completion of Stage 2, followed by the final stage on Sunday morning.
10:53	YBI began with a 5 barrel preflush of fresh water.
10:56	Stage 3 grouting has begun.
12:14	Stage 3 grouting completed with a total of 317 barrels of 12% bentonite additive cement followed by two barrels of a fresh water chase. A fluid return was observed at land surface during the cementing process.
22:00	MR onsite for third stage of cementing. Five barrels of fresh water preflush.
22:05	Began the pumping of an estimated 230 barrels of 12% additive cement. A fluid return was observed at land surface. Pressures at 90 psi.
22:12	Fifty (50) barrels of 12% additive cement being pumped at a rate of 5.3 barrels/minute at a cement weight of 12.6 lb/gal.
22:15	Pressure is at 92 psi; 60 barrels of cement pumped.
22:25	100 barrels of cement pumped. Stop cementing to remove 60 feet of tremmie pipe.
22:32	Pressure 92 psi; 130 barrels of cement have been pumped
22:37	150 barrels of cement pumped; pressure of 92 psi.

TIME	COMMENTS
22:41	Cementing stopped to remove 60 feet of tremmie pipe.
22:46	186 barrels of cement pumped; pressure of 90 psi.
22:51	209 barrels of cement pumped; cementing stopped to remove tremmie pipe.
22:58	228 barrels of cement pumped; pressure of 92 psi.
23:01	Completed stage three of the DIW-1 42-inch surface casing. Pumped a total of 230 barrels of 12% additive cement followed by seven (7) barrels of fresh water flush.
23:10	MR offsite.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, DECEMBER 9, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 SURFACE CASING CEMENTING**

CHRONOLOGY

TIME	COMMENTS
07:12	MR onsite for final stage of cementing of deep injection well (DIW-1) 42-inch surface casing. Temperature log demonstrates a cement top of 50 feet bls and the hard tag determined cement top at 100 feet bls. The temperature log is off due to the large diameter (52-inch) of the mudded hole.
08:35	Cementing crew is onsite preparing to pump 95 barrels of 4% gel additive cement. The cement will cure for 24 hours. Following the completion of the final cement stage, the rig will be converted to reverse-air drilling.
09:15	Began preflush with fresh water.
	Began pumping 4% additive cement. 84 psi. Twenty-seven (27) barrels of cement were pumped for a total weight of 14.38 lbs/gal at a pumping rate of 5.1 barrels/min.
09:26	Fifty (50) barrels of 4% cement pumped.
09:31	Sixty-five (65) barrels of 4% cement pumped.
09:35	Eighty (80) barrels of 4% cement pumped.
09:40	A total of 96 barrels of 4% cement pumped thus far.
09:47	A final count of 108 barrels of 4% additive cement pumped with a full cement return at land surface followed by five (5) barrels of fresh water chase.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, DECEMBER 10, 2007** **GEOLOGIST**: **ACTIVITY**: **DIW-1 SITE PREPARATION FOR REVERSE-AIR**

CHRONOLOGY

TIME	COMMENTS
	Cement curing from the installation of the deep injection well (DIW-1) 42-inch surface casing.
	Site and rig preparation for reverse-air drilling.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, DECEMBER 11, 2007** **GEOLOGIST**: **ACTIVITY**: **DIW-1 SITE PREPARATION FOR REVERSE-AIR**

CHRONOLOGY

TIME	COMMENTS
	Site and rig preparation for reverse-air drilling. Shakers were removed and casing above ground was trimmed.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, DECEMBER 12, 2007** **GEOLOGIST**: **ACTIVITY**: **DIW-1 SITE PREPARATION FOR REVERSE-AIR**

CHRONOLOGY

TIME	COMMENTS
	Site and rig preparation for reverse-air drilling. Circulate mud out of the deep injection well (DIW-1) 2-inch casing. The cement was tagged inside the casing at approximately 1,172 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, DECEMBER 13, 2007** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
08:12	MR onsite. Site meeting today at 10:30. YBI plans to begin reverse-air drilling of the deep injection well (DIW-1) pilot hole this afternoon.
10:08	Site meeting begins.
13:42	Began reverse-air drilling at an approximate depth of 1,185 feet bls.
14:18	Stopped drilling at approximately 1,192 feet bls in order to repair the football at the cuttings disposal tank.
15:43	Began drilling again.
16:21	Rod change (two 40 feet rod segments joined) at 1,200 feet bls.
17:30	MG onsite
18:30	Collected water quality sample from approximately 1,240 feet bls. Conducted field analysis using HACH sension 5 and measured estimates of conductivity (944 µS/cm), salinity (0.5 psu), total dissolved solids (TDS; 472 mg/L) and temperature (28.8 °C). Two samples were collected and stored in a refrigerator onsite. The second sample will be sent to Sanders Laboratory to be analyzed for chloride, pH, sulfate, TDS and conductivity.
20:30	Circulating in the hole.
21:20	Rod change at 1,280 feet bls.
23:30	Circulating in the hole.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY,** **DECEMBER 14, 2007** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE** **REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
00:30	Stopped reverse-air drilling of the deep injection well (DIW-1) pilot hole at approximately 1,310 feet bls. Mark (YBI Driller) stated that they have too much water. Collected water quality samples from approximately 1,300 feet bls. Conducted field analysis and measured estimates of conductivity (735 µS/cm), salinity (0.4 psu), total dissolved solids (TDS; 368 mg/L) and temperature (27.0 °C). Two samples were collected and stored in a refrigerator onsite. The second sample will be sent to Sanders Laboratory to be analyzed for chloride, pH, sulfate, TDS and conductivity.
03:00	YBI transferred excess water to tanker truck onsite to be disposed of offsite.
06:00	Formation samples were collected through 1,350 feet bls. MG offsite. MR onsite
12:42	Began reverse-air drilling again at approximately 1,350 feet bls.
13:12	Collected water quality samples from approximately 1,360 feet bls. Conducted field analysis and measured estimates of conductivity (822 µS/cm), salinity (0.4 psu), TDS (411 mg/L) and temperature (29.8 °C).
14:02	Drilling at 1,390 feet bls. Next water quality sample to be collected at 1,420 feet bls.
15:30	MG onsite. Welders are onsite welding 'dog ears' to the 34-inch intermediate casing segments. Raining at the site. Collected water quality samples from approximately 1,420 feet bls. Conducted field analysis and measured estimates of conductivity (765 µS/cm), salinity (0.4 psu), TDS (382 mg/L) and temperature (29.3 °C).
17:20	Rod change (two 40-foot rods joined) at 1,440 feet bls.
21:00	Collected water quality samples from approximately 1,480 feet bls. Conducted field analysis and measured estimates of conductivity (801 µS/cm), salinity (0.4 psu), TDS (400 mg/L) and temperature (24.6 °C).
23:00	Circulating the drill rod at approximately 1,520 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, DECEMBER 15, 2007** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
00:45	Rod change at 1520 feet bls. Currently reverse-air drilling the deep injection well (DIW-1) pilot hole.
02:00	Collected water quality samples at 1540 feet bls. Two samples were collected and stored in a refrigerator onsite. A sample was analyzed onsite for specific conductivity, salinity, total dissolved solids (TDS) and temperature. The second sample will be sent to Sanders Laboratory to be analyzed for chloride, pH, sulfate, TDS and conductivity.
04:00	Circulating Rod
05:00	Circulating Rod
06:00	Rod change at 1600 feet bls.
06:02	MR onsite for shift.
07:28	YBI shuts down the rig and performs daily maintenance on rig, compressors and pumps.
08:06	Drilling at 1620 feet bls
9:01	Drilling at 1660 ft bls – collect water quality sample.
10:04	Circulating at the bottom of the rod at 1680 feet bls- Geophysical logger called and asked about video vs. televiewer usage.
13:08	Drilling at approximately 1705 ft bls – driller states substrate is hard and drilling is slow, sample looks like dolomitized limestone.
13:50	Drilling at 1720 ft bls water quality sample taken, still in hard rock.
14:15	Drilling at 1740 ft bls
16:23	Drilling at 1760 feet bls clearing up and circulating at the bottom of the rod – spoke earlier today with Kevin about how to proceed with immediate construction plans – will reach total depth today, run the televiewer (no video, accepted by FDEP), they will cement the pilot hole to the bottom of the 1180 casing, trip in with the 40.5-inch reamer bit and ream to 1800 feet bls.
17:23	Rod change at 1760 feet bls
18:22	Drilling at 1762 feet bls; hard dolomite.
19:00	MG onsite, still drilling at 1762 ft bls.
21:45	Collected water quality sample at 1780 ft bls.
23:43	Total depth at 1800 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY,** **DECEMBER 16, 2007** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE** **REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
00:45	Total depth 1810 feet bls ; will clean up the hole in order to collect a sample that will be more representative of native ground water quality. YBI plans on filling the slurry pit then all storage capacity and pull a water quality sample at approximately five feet off the bottom of the deep injection well (DIW-1) pilot hole.
2:30	Began to airlift water out from 1810 feet bls; when reach storage capacity will collect water quality sample.
4:11	Spoke with Mark (driller) about the development of the pilot hole; airlifting at a rate of approximately 100-150 gpm. Estimated lifted approximately 20,000 gallons thus far; collected a water quality sample to measure conductivity and total dissolved solids (TDS) – definite increase in conductivity and salinity and TDS – resample at 5:00.
05:00	Collected water quality sample
5:15	Stop development of well – plan to do wiper trips and trip out for geophysical logging.
5:35	MG off site
17:00	MG onsite, geophysical logger on site and setting up caliper tool, logs to be run include; caliper, gamma, temperature, dual induction, sonic, televiewer and log derived TDS.
17:45	Conduct temperature log
18:00	Begin XY Caliper / gamma log
18:45	End caliper log
19:00	Begin dual induction- dual induction tool shorted out; MR onsite.
19:35	Redeploy dual induction tool
20:08	Out of the hole with the dual induction tool following a successful log.
20:14	Begin sonic log
20:42	Complete repeat pass; beginning main pass with sonic.
21:00	Sonic log complete; coming out for the hole for the televiewer logging tool.
22:00	Begin televiewer log.
23:00	Geophysical logging of the DIW-1 pilot hole to 1810 feet bls is complete and the log results will be compared with the logs of the lower zone monitoring well (LZMW-1B) pilot hole; will send geophysical log results and the lithology log to FDEP for 34-inch intermediate casing setting depth approval tomorrow.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY,** **DECEMBER 17, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE**

CHRONOLOGY

TIME	COMMENTS
7:54	MR onsite to prepare information for FDEP deep injection well (DIW-1) 34-inch intermediate casing submittal – request for a casing seat of 1800 feet bls for the intermediate casing.
9:22	Submittal sent by Tom Farkas to FDEP – PBS&J suggest that YBI not proceed with reaming until FDEP's approval of casing seating.
10:31	Reviewed pay request.
12:45	Six (6) copies of pay request onsite for FGUA to sign and send to PBSJ Tampa.
13:28	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, DECEMBER 18, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE**

CHRONOLOGY

TIME	COMMENTS
	Made deviation tables of the deep injection well (DIW-1) reamed hole inclination survey results to send to FDEP on DIW-1 pilot hole to 1800 feet bls.
	Reviewed the spec and compared with submittal of intermediate casing certifications: 0.375-in wall, 40 foot length segments, 34-inch diameter, B grade steel.
	YBI is still shut down awaiting FDEP approval of the DIW-1 intermediate casing setting depth.
	FDEP approved casing seat at 5:22 pm; Tom Farkas emailed Clay Ferguson with notification and I called Kevin to notify (voice mail).

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, DECEMBER 19, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE CEMENTING PRIOR TO REAMING**

CHRONOLOGY

TIME	COMMENTS
8:12	MR onsite;
9:01	YBIS is currently preparing to trip in with the tremmie pipe to cement up the deep injection well (DIW-1) pilot hole prior to reaming.
10:34	Tripping in with the tremmie pipe – cement crew are on call, they plan on pumping 126 barrels of 12% gel additive cement.
13:21	MR off site checking housing options.
15:58	Checking in with YBI – cement was poured at 14:01; they are waiting approximately 8 hours for it to dry before beginning reaming of the pilot hole.
18:07	Cement top is 1191 feet bls (surface casing is at 1180 feet bls).
21:48	Begin reaming at 1180 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, DECEMBER 20, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
8:06	MR onsite; Reaming activities continue; currently reaming at 1215 feet bls- YBI will continue reaming until they shut down for the holiday on December 24 at 7 am.
14:22	Reaming at 1280 feet bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, DECEMBER 21, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
8:41	MR onsite; Reaming activities on the deep injection well (DIW-1) pilot hole continue; currently reaming at 1350 feet bls- YBI will continue reaming until they shut down for the holiday on December 24 at 7 am.
9:17	MR noticed airlift samples haven't been taken for processing, told Kevin (YBI) and he will request that Sanders Laboratory arrive at the site today in order to collect samples to be processed.
12:41	Worked over casing tally sheet with Kevin; will process and send to Tom Farkas
14:40	MR working on the TAC and shallow monitoring well water quality reports Kevin will be off site 12/22 – 12/26
17:00	MR off site until 12/28; PBSJ staff will be on call for site assignment if necessary

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, DECEMBER 22, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities continue

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, DECEMBER 23, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities continue

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, DECEMBER 24, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
	No work on site due to the holiday observance

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, DECEMBER 25, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
	No work on site due to the holiday observance

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, DECEMBER 26, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities continue

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, DECEMBER 27, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities continue

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, DECEMBER 28, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming of the deep injection well (DIW-1) concluded at 1800 feet bls; The results of the XY caliper / gamma ray geophysical logs show a backfill in the hole of approximately 50 feet. Kevin (YBI) states that he will need to trip back in with the reaming bit and clean out the bottom of the hole; reaming activities continue.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, DECEMBER 29, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities continue at the bottom of the deep injection well (DIW-1) borehole.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, DECEMBER 30, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities of the deep injection well (DIW-1) continue at the bottom of the borehole.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, DECEMBER 31, 2007** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities of the deep injection well continue at the bottom of the borehole.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, JANUARY 1, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REAMING/ CASING INSTALLATION**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities of the deep injection well have concluded; XY caliper/gamma ray log were conducted and show a gauge, open borehole to 1800 feet bls.
8:10	MR onsite for casing installation; welders on site at 7am.
8:30	Beginning weld between casing #3 and #4; casing installation continued through the day with welds completed on average of 22 minutes.
18:30	MG onsite for shift change; currently completing the weld between #18 and #19 casing pieces.
23:44	Weld completed on #29 casing.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, JANUARY 2, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 CASING INSTALL/ CEMENTING**

CHRONOLOGY

TIME	COMMENTS
00:52	MG onsite; In the middle of the deep injection well (DIW-1) 34-inch intermediate casing installation; #31 casing weld complete.
7:00	MR onsite for shift change, casing installation continues with welds completed on average of 25 minutes; at this time #42 casing installed.
9:42	Pressure header section welded into place and lowered into the hole; 34-inch casing installation complete and casing is seated at 1,800 feet bls.
12:11	YBI continues to prep for cementing of the 34-inch casing (pressure grout)
16:42	Begin cementing STAGE 1 with 12% gel additive; full return observed at land surface
17:45	315 barrels of 12% used, switching to neat.
17:51	55 barrels of neat used, shut in pressure is 152 psi.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JANUARY 3, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 CEMENTING**

CHRONOLOGY

TIME	COMMENTS
5:00	MR onsite, beginning geophysical for temp log on STAGE 1, miscommunication between MR and KG, KG indicated we were cementing at 5am Temp log resulted in a tag of 1251 ft bls; and a physical tag of 1303 ft bls
12:30	Talked with Kevin (YBI) he has questions on the spec about the cementing and the CBL, MR enroute to the site
14:35	YBI cement crew arrives onsite; the delay in cementing was due to a reinstallation of smaller diameter tremmie pipe.
14:51	Begin cementing STAGE 2 with 12% gel additive a apx 1 b/m maximum pump rate due to small diameter pipe
16:25	100 barrels of 12% gel additive cement used, stage complete

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY,** **JANUARY 4, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 CEMENTING**

CHRONOLOGY

TIME	COMMENTS
9:12	MR onsite for cementing of STAGE 3 on the deep injection well (DIW-1) 34-inch intermediate casing; previous temperature tag from STAGE 2 resulted in a cement top depth of 1,134 ft bls; physical tag 1,113 ft bls; Cementing of STAGE 3 started using a 12% gel additive cement.
10:44	A total of 157 barrels pumped down the hole, grouting STAGE 3 complete.
20:00	MR on site for cementing of STAGE 4; previous temperature log tag = 791 ft bls; physical tag = 803 ft bls.
20:53	Begin pumping STAGE 4, using 12% gel additive cement at 2.0 barrels/min
21:57	A total of 156 barrels pumped for STAGE 4. A full return of cement at land surface was observed throughout the grouting stages.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, JANUARY 5, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 CEMENTING**

CHRONOLOGY

TIME	COMMENTS
9:00	MR onsite for cementing of STAGE 5 on the deep injection well (DIW-1) 34-inch casing; previous temperature tag from STAGE 4 is 565 ft bls; physical tag 568 ft bls.
10:10	Begin cementing using 12% gel additive cement with a full return observed at land surface.
10:57	A total of 156 barrels were pumped into the annular space for grouting STAGE 5; a full cement return is witnessed at land surface.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, JANUARY 6, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 CEMENTING**

CHRONOLOGY

TIME	COMMENTS
9:00	MR onsite for cement bond log of the cemented deep injection well (DIW-1) 34-inch intermediate casing.
9:51	Begin cement bond log. According to YBI geophysical logger, the bond at the bottom of the casing appears secure.
10:54	The cement bond log was completed.
14:42	Begin final STAGE 6 of the casing grouting.
16:14	Grouting STAGE 6 completed; a total of 307 barrels of cement were pumped with a full cement return observed at land surface.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, JANUARY 7, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
	YBI trips into the deep injection well (DIW) pilot hole with a 12.25-inch bit in order to continue reverse-air drilling following the grouting of the 34-inch intermediate casing. The top of the cement plug at the bottom of the casing was tagged at a depth of 1,796 feet bls. YBI will proceed to drill through the cement plug and continue drilling the pilot hole.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, JANUARY 8, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
06:53	MR onsite; YBI is currently drilling with a 12.25-inch bit through the cement plug in the bottom of the deep injection well (DIW-1) 34-inch intermediate casing at approximately 1,796 feet bls.
08:04	YBI completed drilling through the cement and are reverse-air drilling at approximately 1,800 feet bls.
09:44	Drilling at approximately 1,830 feet bls. Airlift water quality samples were collected. Two samples were collected, one to be analyzed in the field (pH, salinity, specific conductivity: 4,320 µS/cm, temperature & total dissolved solids: 2,160 mg/L) and the other will be sent to Sanders Laboratory to be analyzed for chloride, pH, specific conductivity, sulfate and total dissolved solids. The field values are estimates used to determine relative changes.
10:22	Drilling at 1,840 feet bls; the borehole is being cleaned out in order to improve water clarity.
12:29	Reverse-air drilling at 1,845 feet bls.
16:22	Airlift water quality sample collected at 1,890 feet bls (specific conductivity: 6,120 µS/cm, total dissolved solids: 3,060 mg/L).
19:15	Drill rig is down for maintenance; currently drilling at approximately 1,915 feet bls.
20:30	MG is onsite. Begin specific capacity test at approximately 1,920 feet bls. Based on the pumping and static water levels, the drawdown of the formation was estimated to be approximately 5.5 feet.
21:07	Reverse-air drilling resumes.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, JANUARY 9, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
00:20	Currently reverse-air drilling the deep injection well (DIW-1) pilot hole. Began collecting formation samples every two feet at 1,940 feet bls in order to determine the first core collection depth. Formation samples from 1,920 through 1,947 feet bls are primarily composed of limestone. YBI will continue drilling until 1,955 feet bls with the plan of beginning the core sample.
00:46	Collected an airlift water quality sample at approximately 1,950 feet bls. Two samples were collected, one to be analyzed in the field (pH, salinity, specific conductivity: 7,880 µS/cm, temperature & total dissolved solids: 3,940 mg/L) and the other will be sent to Sanders Laboratory to be analyzed for chloride, pH, specific conductivity, sulfate and total dissolved solids. The field values are estimates used to determine relative changes.
01:05	Dolomite is beginning to be present in the formation sample at 1,952 feet bls.
02:30	Most of the formation sample is dolomite and the formation is not producing water at an approximate depth of 1,961 feet bls, therefore, it is suggested that the core sample begin at this depth.
03:30	MR onsite and concedes that the first core will begin to be collected at 1,961 feet bls. The crew will trip out of the borehole and trip back in with the core bit.
04:00	MG and MR offsite.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JANUARY 10, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE CORE COLLECTION**

CHRONOLOGY

TIME	COMMENTS
13:20	MR and MG onsite in support of the collection of the first core sample in the deep injection well (DIW-1) pilot hole at a depth of approximately 1,961 feet bls.
14:02	Core collection begins with a 20-foot core barrel advancing at a rate of 11 rpm.
23:55	The core barrel is advanced 10 feet to an approximate depth of 1,971 feet bls. Coring will continue for a total length of 12 feet.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JANUARY 11, 2008** **GEOLOGIST: M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING / SECOND CORE BARREL SAMPLE**

CHRONOLOGY

TIME	COMMENTS
00:00	MR offsite; MG onsite
03:30	Reverse-air drilling of the deep injection well (DIW-1); depth is approximately 1,996 feet bls. YBI driller stated that a fracture was encountered at this depth; a formation sample was collected.
04:05	Reached a depth of 2,000 feet bls. The formation sample at 2,000 feet is primarily composed of moderately hard limestone. The driller concurs that coring should result in a successful core sample. YBI will circulate in order to clean out the hole for approximately 30 minutes and then begin tripping out in preparation for collection of the second core barrel sample.
04:30	MG offsite
16:00	MG onsite for second core barrel sample extraction at 2,000 feet bls. The plan for the third core, based on the results of the second core, is to be collected at approximately 2,050 feet bls.
16:45	Begin second core barrel sample collection.
16:54	A length of one foot cored. Depth: 2,001 feet bls.
18:40	A length of two feet cored. Depth: 2,002 feet bls.
19:30	A length of three feet cored. Depth: 2,003 feet bls.
19:42	A length of four feet cored. Depth: 2,004 feet bls.
19:52	A length of five feet cored. Depth: 2,005 feet bls.
20:03	A length of six feet cored. Depth: 2,006 feet bls.
20:13	A length of seven feet cored. Depth: 2,007 feet bls.
20:21	A length of eight feet cored. Depth: 2,008 feet bls.
20:29	A length of nine feet cored. Depth: 2,009 feet bls.
20:43	A length of ten feet cored. Depth: 2,010 feet bls.
21:00	A length of eleven feet cored. Depth: 2,011 feet bls.
21:28	A length of twelve feet cored. Depth: 2,012 feet bls.
22:13	A length of thirteen feet cored. Depth: 2,013 feet bls.
22:35	A length of fourteen feet cored. Depth: 2,014 feet bls.
23:04	A length of fifteen feet cored. Second core barrel sample collection completed.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, JANUARY 12, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING / THIRD CORE BARREL SAMPLE**

CHRONOLOGY

TIME	COMMENTS
00:00	YBI tripping out the core barrel rods of the deep injection well (DIW-1) following collection of the second core barrel sample beginning at a depth of 2,000 ft bls.
02:30	MR & MG onsite. Removed core sample and approximately 14 feet were recoverable of the 15-foot core barrel sample.
09:10	MR onsite. YBI has drilled from 2,015 to 2,050 feet bls. Formation samples are primarily composed of extremely friable micritic limestone and therefore, drilling will continue until a more solid formation sample in order to collect the third core barrel sample.
21:11	MG onsite. Begin third core barrel sample collection at an approximate depth of 2,065 feet bls.
21:36	A length of one foot cored. Depth: 2,066 feet bls.
21:52	A length of two feet cored. Depth: 2,067 feet bls.
22:20	A length of three feet cored. Depth: 2,068 feet bls.
22:49	A length of four feet cored. Depth: 2,069 feet bls.
23:07	A length of five feet cored. Depth: 2,070 feet bls.
23:37	A length of six feet cored. Depth: 2,071 feet bls.
23:58	A length of seven feet cored. Depth: 2,072 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, JANUARY 13, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING / THIRD CORE BARREL SAMPLE**

CHRONOLOGY

TIME	COMMENTS
00:10	Currently collecting the third core barrel sample within the deep injection well (DIW-1). A length of eight feet has been cored. Depth: 2,073 feet bls.
00:25	A length of nine feet cored. Depth: 2,074 feet bls.
00:44	A length of ten feet cored. Depth: 2,075 feet bls.
01:00	A length of eleven feet cored. Depth: 2,076 feet bls.
01:16	A length of twelve feet cored. Depth: 2,077 feet bls.
01:27	A length of thirteen feet cored. Depth: 2,078 feet bls.
01:46	A length of fourteen feet cored. Depth: 2,079 feet bls.
02:02	A length of fifteen feet cored. Depth: 2,080 feet bls.
05:12	Extract the third core barrel sample. Out of a fifteen foot core, fifteen feet of core sample is recoverable.
06:15	MR & MG offsite.
11:08	MR onsite. The drill rig is down for repairs on the top head drive.
13:48	Begin reverse-air drilling at approximately 2,080 feet bls.
15:32	Collected an airlift water quality sample at approximately 2,075 feet bls. Two samples were collected, one to be analyzed in the field (pH, salinity, specific conductivity: 22,400 µS/cm, temperature & total dissolved solids: 11,180 mg/L) and the other will be sent to Sanders Laboratory to be analyzed for chloride, pH, specific conductivity, sulfate and total dissolved solids. The field values are estimates used to determine relative changes.
16:12	Drill rod down at a depth of 2,095 feet bls. A specific capacity test was conducted.
18:22	Current drilling depth is 2,106 feet bls.
19:13	Current drilling depth is 2,110 feet bls. The formation has hardened.
20:00	MG onsite.
23:00	Current drilling depth is approximately 2,120 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, JANUARY 14, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
02:20	The drill rig shut down in order to trip out, change the bit, add additional weight to the collars and repair a leak in the top head drive unit. The approximate depth is 2,122 feet bls.
05:46	Tripping in the 12.25-inch drill bit for reverse-air drilling of the deep injection well (DIW-1).
06:00	MG offsite.
12:30	Begin reverse-air drilling at 2,122 feet bls.
16:59	Collected an airlift water quality sample at approximately 2,135 feet bls. Two samples were collected, one to be analyzed in the field (pH, salinity, specific conductivity: 43,300 µS/cm, temperature & total dissolved solids: 21,700 mg/L) and the other will be sent to Sanders Laboratory to be analyzed for chloride, pH, specific conductivity, sulfate and total dissolved solids. The field values are estimates used to determine relative changes.
19:00	Current drilling depth approximately 2,143 feet bls.
23:59	Currently drilling at a depth of 2,155 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, JANUARY 15, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING / FOURTH CORE BARREL SAMPLE**

CHRONOLOGY

TIME	COMMENTS
00:10	Currently reverse-air drilling the deep injection well (DIW-1) at an approximate depth of 2,155 feet bls. The formation sample from 2,140 – 2,150 feet bls is predominantly hard dolomite. At 2,155 feet bls the sample is more of a sandy dolomite and drilling progressed quicker from 2,148 feet. Formation samples are being collected every foot in order to determine the next core barrel sample interval. From 2,155 to 2,157 feet bls, the core bit was jumpy signifying a potential fracture, ledge and/or formation falling into the hole. The driller will clean up the pilot hole and continue to drill.
02:25	A specific capacity test was conducted and a water quality sample was collected. Collected an airlift water quality sample at approximately 2,157 feet bls. Two samples were collected, one to be analyzed in the field (pH, salinity, specific conductivity: 51,200 µS/cm, temperature & total dissolved solids: 25,600 mg/L) and the other will be sent to Sanders Laboratory to be analyzed for chloride, pH, specific conductivity, sulfate and total dissolved solids. The field values are estimates used to determine relative changes.
03:33	The current drill depth is approximately 2,159 feet bls. YBI will drill two more feet and prepare to collect the fourth core barrel sample.
03:50	Reached depth of 2,161 feet bls and the sample is predominantly composed of dark brown, hard dolomite. YBI will trip out and trip back in the pilot hole with the core bit.
10:38	MR onsite for the fourth core barrel sample collection at a depth of 2,161 feet bls.
11:24	Begin core barrel collection process.
12:38	A length of one foot cored. Depth: 2,162 feet bls.
14:00	A length of two feet cored. Depth: 2,163 feet bls.
14:53	A length of three feet cored. Depth: 2,164 feet bls.
15:45	A length of four feet cored. Depth: 2,165 feet bls.
16:00	A length of five foot cored. Depth: 2,166 feet bls. Present of a possible fracture in the formation based on jumpy coring rod.
17:15	A length of six foot cored. Depth: 2,167 feet bls.
18:45	A length of seven foot cored. Depth: 2,168 feet bls.
19:15	MG onsite.
20:30	A length of eight foot cored. Depth: 2,169 feet bls.
23:00	A length of nine foot cored. Depth: 2,170 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, JANUARY 16, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING / FOURTH CORE BARREL SAMPLE**

CHRONOLOGY

TIME	COMMENTS
01:30	Currently collecting the fourth core barrel sample for the deep injection well (DIW-1). A length of ten feet has been cored. Depth: 2,171 feet bls.
04:05	A length of eleven feet cored. Depth: 2,172 feet bls. Fourth core barrel sample completed.
07:15	MR & MG onsite. Extracted core sample. Primarily dark brown hard dolomite, very vuggy toward the top of the core.
09:30	MR & MG offsite following an email update to Tom Farkas.
11:49	YBI tripping in with the air line in preparation to continue reverse-air drilling.
12:30	MR onsite.
14:52	Reverse-air drilling at approximately 2,180 feet bls.
16:00	Reverse-air drilling at approximately 2,210 feet bls.
16:19	An airlift water quality sample was collected at approximately 2,217 feet bls. Two samples were collected, one to be analyzed in the field (pH, salinity, specific conductivity: 50,600 µS/cm, temperature & total dissolved solids: 25,300 mg/L) and the other will be sent to Sanders Laboratory to be analyzed for chloride, pH, specific conductivity, sulfate and total dissolved solids. The field values are estimates used to determine relative changes.
18:22	Drill rod down; conduct a specific capacity test at 2,237 feet bls.
18:38	Drill rod change at 2,237 feet bls.
18:57	Drill rig is down for shift maintenance.
19:30	MG onsite.
22:15	Airlift water quality sample collected at 2,255 feet bls. Specific conductivity = 51,800 µS/cm and total dissolved solids = 25,900 mg/L

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JANUARY 17, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
03:20	Currently reverse-air drilling the 12.25-inch deep injection well (DIW-1) pilot hole. Approximate depth of 2,271 feet bls.
06:00	Currently drilling at a depth of approximately 2,281 feet bls.
07:08	MR onsite.
10:00	Drilling depth is approximately 2,300 feet bls.
10:31	Drilling depth is 2,310 feet bls; encountered cavernous zone with some dolomitic sand.
12:00	Drilling depth is 2,317 feet bls. Conducted a specific capacity test.
13:17	Kevin (YBI) stated that the drill collars and drill bit had broken loose from the drill string and dropped into the hole and they were preparing to fish it out. YBI began tripping out in order to determine the depth at which the rod broke.
16:12	The top of the broken drill rod was determined to be located at an approximate depth of 1,604.4 feet bls. YBI will make a casing hook and fish tool. Approximately 719 feet of drill pipe are in the hole.
18:48	MR offsite. YBI preparing to trip in with the fishing tool.
11:59	YBI has secured the broken drill string and are slowly tripping out.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JANUARY 18, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
	YBI is currently removing the broken drill string from the deep injection well (DIW-1) pilot hole.
07:08	YBI has brought the drill string to land surface. They will trip back in with the bit, new collars and drill rod and continue drilling at an approximate depth of 2,323 feet bls.
11:00	MR onsite. YBI is tripping in and securing the wellhead.
19:30	MG onsite. Repairs are being made to the football located at the cuttings disposal tank.
19:45	Resume reverse-air drilling of the 12.25-inch DIW-1 pilot hole at an approximate depth of 2,343 feet bls.
20:00	Current drilling depth is 2,345 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, JANUARY 19, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
00:20	An airlift water quality sample was collected at approximately 2,377 feet bls. Two samples were collected, one to be analyzed in the field (pH, salinity, specific conductivity: 50,900 µS/cm, temperature & total dissolved solids: 25,500 mg/L) and the other will be sent to Sanders Laboratory to be analyzed for chloride, pH, specific conductivity, sulfate and total dissolved solids. The field values are estimates used to determine relative changes.
01:30	Currently reverse-air drilling the 12.25-inch deep injection well (DIW-1) pilot hole at an approximate depth of 2,380 feet bls.
07:00	Current drilling depth is at an approximate depth of 2,397 feet bls. YBI is cleaning out the pilot hole in preparation for rod change.
09:30	MR onsite. YBI is currently drilling at approximately 2,400 feet bls. The formation samples are revealing a vuggy crystalline dolomite.
11:40	Current drilling depth is approximately 2,418 feet bls.
12:45	A cavernous zone was encountered from 2,425 to 2,432 feet bls. At an approximate depth of 2,432 feet bls, the drill bit has begun to become plugged with limestone and sand, which could be a result of the interstitial spaces within the boulder zone.
14:27	An airlift water quality sample was collected at approximately 2,437 feet bls. The resultant field determined specific conductivity was 51,000 µS/cm and the TDS value was 25,500 mg/L.
19:30	MG onsite. The approximate drill depth is 2,466 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, JANUARY 20, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
01:45	Currently reverse-air drilling the 12.25-inch deep injection well (DIW-1) pilot hole. A specific capacity test was conducted at approximately 2,477 feet bls.
04:00	Current drilling depth is approximately 2,491 feet bls. MG offsite.
09:00	MR onsite. YBI is currently drilling at 2,500 feet bls. Drilling is progressing smoothly but the strata is fractured and cavernous.
12:40	Drill rod change at 2,557 feet bls. A specific capacity test was conducted in addition to the collection of an airlift water quality sample. Two samples were collected, one to be analyzed in the field (pH, salinity, specific conductivity: 53,200 µS/cm, temperature & total dissolved solids: 26,600 mg/L) and the other will be sent to Sanders Laboratory to be analyzed for chloride, pH, specific conductivity, sulfate and total dissolved solids. The field values are estimates used to determine relative changes.
14:00	Current drilling depth is 2,585 feet bls.
16:30	Current drilling depth is 2,600 feet bls.
17:15	MR offsite following an update to Tom Farkas.
20:00	MG onsite. The current drilling depth is 2,650 feet bls.
23:40	An airlift water quality sample was conducted at an approximate depth of 2,677 feet bls. Specific conductivity: 52,800 µS/cm; total dissolved solids: 26,400 mg/L.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, JANUARY 21, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
00:30	Currently reverse-air drilling the 12.25-inch deep injection well (DIW-1) pilot hole at an approximate depth of 2,679 feet bls.
04:00	Current drilling depth is 2,686 feet bls. MG offsite.
09:00	MR onsite. Current drilling depth is 2,670 feet bls.
11:20	Drill rod change at a depth of 2,717 feet bls. A specific capacity test was conducted and drilling continued.
14:00	Currently drilling at a depth of 2,725 feet bls. Drilling is progressing slowly due to the presence of hard dolomite.
16:00	Currently drilling at a depth of 2,730 feet bls.
16:20	Two airlift water quality samples were collected at a depth of 2,737 feet bls; one to be analyzed in the field (pH, salinity, specific conductivity: 53,100 µS/cm, temperature & total dissolved solids: 26,500 mg/L) and the other will be sent to Sanders Laboratory to be analyzed for chloride, pH, specific conductivity, sulfate and total dissolved solids. The field values are estimates used to determine relative changes.
17:00	Currently drilling at a depth of 2,740 feet bls. MR offsite.
20:30	Current drilling depth is 2,753 feet bls.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, JANUARY 22, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
04:30	Currently reverse-air drilling the 12.25-inch deep injection well (DIW-1) pilot hole at an approximate depth of 2,765 feet bls. Drilling is progressing slowly due to the presence of hard dolomite. MG offsite.
08:45	MR onsite. Currently drilling at a depth of 2,775 feet bls.
14:08	Currently drilling at a depth 2,790 feet bls and have been for the past hour due to debris falling into the hole and blocking the bit. YBI will continue to circulate in order to clean out the pilot hole.
17:27	Drill rod change at 2,797 feet bls. Although a specific capacity was scheduled to be conducted, the driller requested to pass in order to continue drilling as fast as possible due to the strata falling into the pilot hole. Two airlift water quality samples were collected at a depth of 2,797 feet bls; one to be analyzed in the field (pH, salinity, specific conductivity: 53,000 µS/cm, temperature & total dissolved solids: 26,500 mg/L) and the other will be sent to Sanders Laboratory to be analyzed for chloride, pH, specific conductivity, sulfate and total dissolved solids. The field values are estimates used to determine relative changes.
20:30	MG onsite. Currently drilling at a depth of 2,808 feet bls. The strata and pilot hole wall have stabilized. Drilling is progressing slowly and is slightly jumpy.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, JANUARY 23, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
00:45	YBI is making adjustments to the top head drive unit on the deep injection well (DIW-1) drill rig.
02:30	Currently reverse-air drilling the 12.25-inch DIW-1 pilot hole at an approximate depth of 2,819 feet bls.
04:45	Currently drilling at a depth of 2,820 feet bls.
07:21	Kevin (YBI) stated that drilling has been progressing slowly due to hard strata so he is planning on halting drilling and conducting a geophysical log inside of the drill pipe in order to inspect the integrity of the pipe. YBI will trip out, replace any damaged rods, inspect the bit and then trip back into the pilot hole.
16:00	The geophysical log is complete and it was determined that the integrity of one of the drill rods was questionable and therefore, will be replaced. The drill pipe has been tripped out and the bit will be cleaned.
21:30	MG onsite. The current drill rod is down and YBI is circulating and cleaning out the pilot hole.
23:45	YBI is continuing to clean out the pilot hole and stabilize the walls of the hole.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JANUARY 24, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
02:45	Currently reverse-air drilling the 12.25-inch deep injection well (DIW-1) pilot hole at an approximate depth of 2,823 feet bls.
04:45	Current drilling depth is 2,838 feet bls.
09:15	MR onsite. Currently drilling at a depth of 2,850 feet bls. According to the driller, rocks from the strata are continuing to fall into the pilot hole on top of the drill bit, resulting in large pieces appearing in the formation samples.
12:39	YBI has stopped drilling, tripped out two 80-foot drill rods, tripped out the airline and is repairing a leak in the top head drive unit.
14:44	YBI has tripped the drill string back into the pilot hole and has begun drilling at an approximate depth of 2,775 feet bls.
16:30	Current drilling depth is 2,850 feet bls.
20:30	MG onsite. Currently drilling at a depth of 2,872 feet bls.
22:00	Drill rod change at 2,877 feet bls. Although a specific capacity was scheduled to be conducted, the driller requested to pass in order to continue drilling due to recent complications related to formation debris falling into the pilot hole. A specific capacity test will be conducted at the next rod change, which will occur at 2,957 feet bls. Two airlift water quality samples were collected at a depth of 2,877 feet bls; one to be analyzed in the field (pH, salinity, specific conductivity: 53,000 µS/cm, temperature & total dissolved solids: 26,500 mg/L) and the other will be sent to Sanders Laboratory to be analyzed for chloride, pH, specific conductivity, sulfate and total dissolved solids. The field values are estimates used to determine relative changes.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY, JANUARY 25, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
0100	Currently drilling at 2892 feet bls; a specific capacity test was not conducted at 2877 due to formation debris falling in on the bit. A test will be conducted at the next availability.
0300	Drilling at 2903 feet bls although the strata is composed of hard dolomite the drilling is progressing smoothly with very little chatter
0445	Drilling depth is 2912ft bls
0500	MG offsite
0915	MR onsite drilling at apx 2925 ftbls
1215	Currently drilling at 2945 ft bls
1410	Drilling at 2952 ft bls driller states its getting softer and lithology looks lighter in color
1542	Rod down at 2957 ft bls but a leak in the top of the recirculation pipe has developed so they have to shut down to fix it, the top head is also leaking and they will fix that as well, no chance to do Sc this time
1645	MR off site
2000	MG onsite
2100	Currently drilling at 2973 ft bls
2130	Airlift water quality sample collected from 2977 ft bls
2359	Drilling at depth 2996 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY, JANUARY 26, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
0340	Drilling at depth 3012ft bls
0700	drilling at depth 3028 ft bls
0945	YBI continues to circulate and clean out the pilot hole. The mud pit is being emptied for offsite disposal. Continue cleaning out the pilot hole by drilling down a few feet and then pulling up a few, allowing formation debris to fall in and then clean it out by drilling through it
1415	Collected airlift water quality sample from 3037 ft bls
1530	Drilling depth 3040 ft bls
1800	Drilling at depth 3043 ft bls
1915	Drill rig is down for shift maintance and safety meeting
1930	Rig is back up and continues the pilot hole drilling
2040	YBI crew is preparing the tubing for the packer tests
2140	Drilling depth 3055 ft bls
2359	Drilling depth 3065 ft bls
2130	Airlift water quality sample collected from 2977 ft bls
2359	Drilling at depth 2996 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY, JANUARY 27, 2008** **GEOLOGIST: M. REGON, M. GUNTER** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
0300	Drilling at depth 3071ft bls
0938	MR onsite; currently drilling at 3075 ft bls; YBI continues to ream the already drilled pilot hole in an effort to let the borehole wall stabilize
1142	Talked with driller; 1 ream pass is done, they will do a second and then maybe a 3rd before Sc test
1600	Still reaming on the same rod for the second time
1708	Specific capacity test conducted = 2,730 ft/ft of dd
1715	MR off site
2030	MG onsite currently drilling at depth 3083 ft bls; YBI is testing the submersible pumps to be used during the packer tests
2359	Drilling at depth 3090 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY, JANUARY 28, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
0200	Airlift water quality sample collected at 3097 ft bls
0500	Currently drilling at 3107 ft bls
0853	MR onsite currently rod down at 3117 ft bls; rig is shut down for shift maintance
0912	Rig is up and drilling
1151	Rig is down for maintance
1238	Back to drilling
1330	Drilling at 3120ft bls
1500	Drilling at depth 3125 ft bls
1700	Drilling at 3130 ft bls
1727	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY, JANUARY 29, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
0804	MR onsite; drilling at apx 3177 ft bls
0930	TF and MM onsite for Monthly Site Mtg
1102	Begin site meeting
1227	Meeting complete, drilling at apx 3185 ft bls
1600	Drilling at apx 3192 ft bls
1805	Drilling at 3198 ft bls, total depth achieved, specific capacity and airlift water quality measured ; MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY, JANUARY 30, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
	YBI is currently performing wiper trips up and down the open pilot hole in an attempt to clean out all loose debris from the pilot hole and preparation for pilot hole drilling

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY, JANUARY 31, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 PILOT HOLE REVERSE-AIR DRILLING**

CHRONOLOGY

TIME	COMMENTS
	YBI is currently performing wiper trips up and down the open pilot hole in an attempt to clean out all loose debris from the pilot hole and preparation for pilot hole drilling

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY** **FEBRUARY 1, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: DIW-1 GEOPHYSICAL LOGGING**

CHRONOLOGY

TIME	COMMENTS
1252	MR onsite for geophysical logging of the pilot hole from the bottom of the intermediate casing at 1800 ft bls to 3200 ft bls will run video log first
1604	Out with video log
1610	In with caliper/gamma/temp log
1648	Out with caliper log
1704	In with dual induction log
1834	Out with dual induction
1849	In with sonic BHC log
2002	Out with sonic BHC log
2130	Received a copy of the logs and video from geo logger
2140	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SATURDAY** **FEBRUARY 2, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: PACKER INSTALLATION AND DEVELOPMENT**

CHRONOLOGY

TIME	COMMENTS
9:00	Talked with TF to update him, the first interval was determined last night to be 1940-1970 ft bls – crew began tripping in packers this morning at approximately 6:30am after spending the night testing the packer and tallying the pipe
1300	Talked with Kevin for an update; just finished tripping in with the packer, will begin airlift development soon, 360 ft of airline in the pipe for airlift development; MR enroute to the site
1430	MR onsite, YBI just finished tripping in with airline and will begin airlift development soon
1512	Begin airlift develop = apx 60 gpm
1630	Stop airlift development at 61 gpm after 75 mins of pump time- Kevin has advised me that with the pump in the hole the well will only make 1/3 of that rate apx 20gpm
1702	YBI will drop in the 0.5 hp pump to a depth of 180 ft bls and put in the transducer to 170 ft bls with the annular probe set to 50 ft bls and begin pump setting
2352	Pump rate set at 32 gpm with apx 65 ft of drawdown, YBI will now recover the well and begin background water level recording; Packer Test 1 is scheduled for 4am

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: SUNDAY** **FEBRUARY 3, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: PACKER TEST 1**

CHRONOLOGY

TIME	COMMENTS
0334	MR onsite to begin packer test 1 at apx 4 am, checked with YBI they are recording background WL's since 3am – WL is currently 159.94 (SWL)
	Pump is dialed in at 32 gpm with 92 ft of head
0417	Pump rate is 32 gpm
0425	Head reading is 98.117; probe is set at 170 ft bls and pump at 180 ft bls
0430	Pump reading (vol) = 00930270
8:05	Final reading before turning off the pump and beginning recovery recording; water quality sample collected for lab annalysis
11:00	Recovery is over, all data is retrieved by YBI geophysical and transmitted for analysis
1200	YBI is deflating the packers and tripping them to the next testing position of 1885-1915 ft bls for Packer 2

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY** **FEBRUARY 4, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: PACKER TEST 2**

CHRONOLOGY

TIME	COMMENTS
00:30	MR onsite to begin packer test 2 at apx 2 am, checked with YBI they will record background WL's starting 1am – WL is currently 164.392 (SWL)
	Airlift development was conducted over 2 hours at approximately 45 gpm; total volume evacuated = 5,500 gal; the pump rate was then set at 21 gpm with approximately 100 ft of drawdown
0204	Begin pump: start test recording, pump rate is 22 gpm
0504	Stop pump, start recovery water level recording; water quality samples are collected for lab analysis
0805	YBI geophysical onsite to download all data off the recorders
1200	YBI is deflating the packers and tripping them out of the hole to change the straddle to 100 ft, then trip back in to the next testing position of 1990-2088 ft bls for Packer 3

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: TUESDAY** **FEBRUARY 5, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: PACKER TEST 3**

CHRONOLOGY

TIME	COMMENTS
	After resetting the packers the zone was developed by airlift and approximately 61 gpm for apx 2 hours; total volume need to be evacuated = 7,500 gal. the well was then recovered while the 0.5 hp pump was installed and the pump rate set for the test;
	The pump rate was locked in at 38 gpm with apx 65 ft of drawdown; SWL = 155.391
11:00	Background water level readings begin
12:00	Start the pump, start the test recording.
1600	Stop the pump, collect water quality for lab analysis, and begin the recovery recording part of the test
1900	YBI geophysical is out at the site to download all the data from the transducers and transmit it to PBSJ for analysis.
	YBI deflated the packers and moved the straddle to the next testing location of 2130-2230 ft bls for Packer Test 4.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: WEDNESDAY** **FEBRUARY 6, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: PACKER TEST 4**

CHRONOLOGY

TIME	COMMENTS
	After resetting the packers the zone was developed by airlift and approximately 175 gpm for apx 1.5 hours; total volume evacuated = 9,000 gal. the well was then recovered while the 0.5 hp pump was installed and the pump rate set for the test;
	The pump rate was locked in at 100 gpm with apx 1 ft of drawdown; SWL = 159.083
14:00	Background water level readings begin
15:00	Start the pump, start the test recording.
1900	Stop the pump, collect water quality for lab analysis, and begin the recovery recording part of the test
2200	YBI geophysical is out at the site to download all the data from the transducers and transmit it to PBSJ for analysis.
	YBI deflated the packers and tripped them out of the hole in preparation for reaming activities

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: THURSDAY** **FEBRUARY 7, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: MAINTENANCE**

CHRONOLOGY

TIME	COMMENTS
	YBI performed yard maintenance, and prepped for reaming activities
	PBS&J submitted the casing setting recommendation to FDEP for their approval.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: FRIDAY** **FEBRUARY 8, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: MAINTENANCE**

CHRONOLOGY

TIME	COMMENTS
	YBI performed yard maintenance, and prepped for reaming activities
	PBS&J received approval from FDEP for a casing setting depth of 2370 ft bls. YBI was notified .

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE: MONDAY** **FEBRUARY 11, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Over February 9-10 the pilot hole was cemented from 2370 to 1800 ft bls to prevent divergent boreholes during the reaming process for the final casing, several stages were used interspersed with gravel layers. A total of 200 barrels of cement were utilized
	Talked with Kevin (YBI) he states that after the pilot hole was plugged they tripped in with the reaming bit and began reaming; they are currently reaming at 1935 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:TUESDAY** **FEBRUARY 12, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Talked with Kevin (YBI) he states that the reaming of the pilot hole has progressed and they are reaming at 1960 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:WEDNESDAY FEBRUARY 13, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities continue on the deep injection pilot hole : YBI is currently drilling at 2030 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:THURSDAY** **FEBRUARY 14, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities continue on the deep injection pilot hole : YBI is currently drilling at 2160 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:FRIDAY** **FEBRUARY 15, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities continue on the deep injection pilot hole : YBI is currently drilling at 2230 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SATURDAY** **FEBRUARY 16, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 32 inch bit continue on the deep injection pilot hole : YBI is currently drilling at 2230 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SUNDAY** **FEBRUARY 17, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 26 inch bit on the deep injection pilot hole, creating a sump for the casing shoe to fit in : YBI is currently drilling at 2380 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:MONDAY** **FEBRUARY 18, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 26 inch bit on the deep injection pilot hole, creating a sump for the casing shoe to fit in : YBI is currently drilling at 2380 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:TUESDAY** **FEBRUARY 19, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 26 inch bit on the deep injection pilot hole, creating a sump for the casing shoe to fit in : YBI is currently drilling at 2380 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:WEDNESDAY** **FEBRUARY 20, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2390 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:THURSDAY** **FEBRUARY 21, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2600 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:FRIDAY** **FEBRUARY 22, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2650 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SATURDAY** **FEBRUARY 23, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2710 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SUNDAY** **FEBRUARY 24, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2800 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:MONDAY** **FEBRUARY 25, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2940 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:TUESDAY** **FEBRUARY 26, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2815 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:WEDNESDAY** **FEBRUARY 27, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2900 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:THURSDAY** **FEBRUARY 28, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2920 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:FRIDAY** **FEBRUARY 29, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2950 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SATURDAY** **MARCH 1, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2950 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SUNDAY** **MARCH 2, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2970 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:MONDAY** **MARCH 3, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2940 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:TUESDAY** **MARCH 4, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 2960 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:WEDNESDAY** **MARCH 5, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 3100 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:THURSDAY** **MARCH 6, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 3145 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:FRIDAY** **MARCH 7, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, will ream all the way to 3200 ft bls with this bit: YBI is currently drilling at 3180 ft bls

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SATURDAY** **MARCH 8, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: REAMING**

CHRONOLOGY

TIME	COMMENTS
	Reaming activities with the 22 inch bit on the deep injection pilot hole, YBI has reamed down to 3200 feet bls. YBI trips out of the hole and conducts a caliper log of the reamed borehole.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SUNDAY** **MARCH 9, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: CASING INSTALLATION**

CHRONOLOGY

TIME	COMMENTS
	Begin installation of 24 inch final steel casing in the DIW borehole

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:MONDAY** **MARCH 10, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: CASING INSTALLATION**

CHRONOLOGY

TIME	COMMENTS
	Continue installation of 24 inch final steel casing in the DIW borehole
20:05	Complete casing installation

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:TUESDAY** **MARCH 11, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: MAINTENANCE**

CHRONOLOGY

TIME	COMMENTS
	YBI attempts to conduct a packer pressure test to ensure favorable casing placement and tight welds: the packer is broken: YBI completes the day with yard maintenance

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:WEDNESDAY** **MARCH 12, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: CASING CEMENTING**

CHRONOLOGY

TIME	COMMENTS
10:15	Packer test complete; the casing lost 5 psi over 1 hour, it is significantly sealed and can commence with cementing, YBI will pour 3 plug stages then begin with actual grouting stages.
12:42	Stage A = 1 barrel of gravel and 2 barrels of neat cement
19:30	Stage B = 2 barrels of neat cement

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:THURSDAY** **MARCH 13, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: CASING CEMENTING**

CHRONOLOGY

TIME	COMMENTS
02:10	Stage C of the casing plug = 2 barrels of neat cement; total plug equals 6 barrels of neat cement and 1 barrel of grout
14:28	Begin cement grout of the final casing with 17 barrels of neat cement
14:34	All 17 barrels are in the hole

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:FRIDAY** **MARCH 14, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: CASING CEMENTING**

CHRONOLOGY

TIME	COMMENTS
	Stage 1 Temp log cement tag = 2328 ft; Tag = 2326; Will pump 30 barrels to bring the total amount of neat cement to 100 ft in the bottom of the well
1:46	Begin cementing of STAGE 2 – no fluid return
1:55	30 barrels of 100% neat cement pumped, on chase
	STAGE 2 Temp tag = 2268 ft Tag = 2270 ft; will pump 184 barrels of 12% gel additive cement to bring theoretical lift to 1950 ft bls
12:35	Begin cementing STAGE 3 – no fluid return
13:10	184 barrels pumped of 12% gel additive cement, on chase
	STAGE 3 Temp Tag = 2149; Tag = 2149; Lost a lot of cement in the opening at 2150 ft bls will attempt 3 smaller shots before possibly graveling up the opening; will pump 50 barrels of 12% gel additive cement
23:55	Begin cementing STAGE 4 – no fluid return

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SATURDAY** **MARCH 15, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: CASING CEMENTING**

CHRONOLOGY

TIME	COMMENTS
	Cementing of STAGE 4 is on going
00:04	50 barrels of 12% gel additive cement pumped; on chase
	STAGE 4 Temp tag = 2134ft; Tag = 2140ft, will pump 50 barrels of 12$ gel additive cement, theoretical lift is 100 ft in the hole
12:34	Begin cementing STAGE 5- no fluid return
12:45	59 barrels pumped of 12% gel additive cement, on chase
	STAGE 5 Temp Tag = 2120ft; Tag = 2130 ft, will pump 50 barrels of 12% gel additive cement for a theoretical lift of 100 ft in the hole
23:47	Begin cementing STAGE 6 – no fluid return at land surface
23:59	50 barrels of 12% gel additive cement pumped; on chase

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SUNDAY** **MARCH 16, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: CASING CEMENTING**

CHRONOLOGY

TIME	COMMENTS
	STAGE 6 Temp tag = 1978ft; Tag = 2106ft, will pump 125 barrels of 12% gel additive cement, theoretical lift is 100 ft in the hole
12:34	Begin cementing STAGE 7- slight fluid return
12:45	125 barrels pumped of 12% gel additive cement, on chase
	STAGE 7 Temp Tag = 1954ft; Tag = 1968 ft, will pump 125 barrels of 12% gel additive cement for a theoretical lift of 228 ft in the hole
23:48	Begin cementing STAGE 8 – fluid return at land surface

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:MONDAY** **MARCH 17, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: CASING CEMENTING**

CHRONOLOGY

TIME	COMMENTS
	Cementing of STAGE 8 ongoing
00:14	125 barrels of 12% gel additive cement pumped; on chase
	STAGE 8 Temp tag = 1819ft; Tag = 1823ft, will pump 195 barrels of 12% gel additive cement, theoretical lift is 400 ft in the hole
12:19	Begin cementing STAGE 9- fluid return at land surface
12:55	195 barrels pumped of 12% gel additive cement, on chase

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:TUESDAY** **MARCH 18, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: CASING CEMENTING**

CHRONOLOGY

TIME	COMMENTS
	STAGE 9 Temp tag = 1492ft; Tag = 1502ft, will pump 195 barrels of 12% gel additive cement, theoretical lift is 400 ft in the hole
01:35	Begin cementing STAGE 10- fluid return at land surface
02:17	195 barrels pumped of 12% gel additive cement, on chase
	STAGE 10 Temp Tag = 1086ft; Tag = 1094 ft, will pump 195 barrels of 12% gel additive cement.
15:14	Begin cementing STAGE 11 – fluid return at land surface
15:47	195 barrels of 12% gel additive cement pumped, on chase

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:WEDNESDAY** **MARCH 19, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: CASING CEMENTING**

CHRONOLOGY

TIME	COMMENTS
	STAGE 11 Temp tag = 742ft; Tag = 758ft, will pump 222 barrels of 12% gel additive cement, theoretical lift is 400 ft in the hole
09:42	Begin cementing STAGE 12- fluid return at land surface
10:18	220 barrels pumped of 12% gel additive cement, on chase

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:THURSDAY** **MARCH 20, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: CASING CEMENTING**

CHRONOLOGY

TIME	COMMENTS
07:21	MR onsite for CBL and possible video log
7:30	Loggers are conducting the temp log on the STAGE 12 cement with a top of 325 ft bls
8:40	Loggers attempt a video log but the top 50 ft are cloudy, wont pump to clean it up due to possible artesian conditions, will video during the RTS test for the MIT
9:00	Loggers begin the CBL log
10:42	Done with the CBL log, good bonding seen on the log; YBI will weld on the header again, then trip in with cement tubing and top off the cement from 325 ft bls to land surface
13:52	Begin cementing the final stage of cement on the DIW: STAGE 13 = 114 barrels of 12% cement and 54 barrels of neat cement. Full return at LS
15:17	MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:FRIDAY** **MARCH 21, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: MAINTENANCE**

CHRONOLOGY

TIME	COMMENTS
	YBI tripped in with the 2 inch tremmie pipe and circulated the hot fluid inside the casing in an effort to cool the casing as the cement cured behind it

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SATURDAY** **MARCH 22, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: PRELIMINARY PRESSURE TESTING**

CHRONOLOGY

TIME	COMMENTS
	YBI tripped in with the packer assembly; set the packer and pressurized the well head to perform the preliminary pressure testing; the preliminary tests passed with in 5% and the well head was closed up to await the official pressure test.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:SUNDAY** **MARCH 23, 2008** **GEOLOGIST: M. REGON** **ACTIVITY: BEGIN DEMOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
	YBI begins demobilization of the site and equipment

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:MONDAY** **MARCH 24, 2008** **GEOLOGIST: M. ALIFERI** **ACTIVITY: CASING PRESSURE TEST**

CHRONOLOGY

TIME	COMMENTS
09:50	M. Alfieri onsite to observe/witness pressure tests
10:55	Begin preliminary pressure tests- pressurized to 158.5 psi
11:55	Preliminary test passes with in 5% at 158 psi
13:40	D. Rhodes with FDEP onsite to witness the casing pressure test
13:55	Begin casing pressure test- pressurized to 156.5 psi
14:50	End casing pressure test at 155.5 psi, loss of 1 psi over the hour , passed with in 5%
15:15	M. Alfieri offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:TUESDAY** **MARCH 25, 2008** **GEOLOGIST: C. TOLLIVER** **ACTIVITY: BACKGROUND WATER QUALITY SAMPLING**

CHRONOLOGY

TIME	COMMENTS
6:50	C. Tolliver on site to observe the development of the DIW well in prep for background water quality sampling
	YBI discharged 3 rod volumes and 1 hole volume then sampled (x2 one background sampling and one backup) for background water quality parameters

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:WEDNESDAY** **MARCH 26, 2008** **GEOLOGIST:** **ACTIVITY: DEMOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
	YBI continues demobilization of the site; the DIW rig is pulled off the wellhead

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:THURSDAY** **MARCH 27, 2008** **GEOLOGIST:** **ACTIVITY: DEMOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
	YBI continues demobilization of the site;

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:FRIDAY** **MARCH 28, 2008** **GEOLOGIST:** **ACTIVITY: DEMOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
	YBI continues demobilization of the site;

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:MONDAY** **MARCH 31, 2008** **GEOLOGIST:** **ACTIVITY: DIW-1 GEOPHYSICAL LOGGING**

CHRONOLOGY

TIME	COMMENTS
10:15	MR onsite; geophysical logging crew is already onsite, with Lee as lead logger, Rig slurry pit and fuel tanker are all off site (demob); large mud pit is still onsite with frac tank, DIW-1 well head is built up from the pad 46 inches to the top of the 12 inch valve from pad level YBI had been pumping over the weekend from the fac tank (supplied by 140 ft well) down the DIW-1 at a rate of 180 gpm, pumping appx 190,000 gals by this morning, in an attempt to create a freshwater bubble for the video survey and RTS test
11:00	In with the video tool- clarity is fine at the top with some floating particulates, at 250 ft bls well gets very cloudy with alot of particulates, Lee states that this is not acceptable- it needs more fresh water flush to improve clarity
	YBI goes ahead with video just to check the well for any abnormalitites (their QAQC) we will still do another video after the flush continues
	After conferring with TF its decided we will run the Temp and Gamma logs today and attempt to flush a higher rate for a possible video before the RTS test tomorrow.
14:40	Geologger Lee checks the clarity with the video after pumping 2 more tanks down the well (42,000 gal) at a rate of 300 gpm clear to apx 600 ftbls- YBI plans to pump all night to extend the bubble and push the particulates down the well column - in with the temp logging tool
15:42	At the bottom with the temp log, highest temp is 102 F at 2380 ft bls; will conduct the gamma on the way up.
16:02	Begin Gamma Ray background log
16:47	Done with Gamma Ray log- YBI will continue pumping on the DIW overnight- will meet at the site at 07:30 tomorrow to see if the video is possible after the added pumping
16:54	Update TF and KD on video issues and schedule for tomorrow
17:12	MR off site

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:TUESDAY** **APRIL 1, 2008** **GEOLOGIST: M.REGON** **ACTIVITY: DIW-1 GEOPHYSICAL LOGGING**

CHRONOLOGY

TIME	COMMENTS
7:22	MR onsite, geologger onsite; Talked with the logger he states, Mark (YBI) driller stayed out all night to run the pumps last night, and was able to pump in 3 more frac tank volumes = 63,000gal
8:00	In with the video tool – at apx 650 ft bls the well clouds up – no suspended solids or particulates like yesterday, but cloudy, we can still see the seams so we will continue
8:42	At 1960 ft bls light blub on the tool goes out – we will need to replace before continuing on
8:45	Call and update TF and KD about the logging going forward, and the possibility of running the RTS test, TF thinks this is as good as the well will get, so we will go on with the video log and conduct the RTS test after – KD gets on the road to come down to the site
8:50	Camera tool out of the hole
9:21	Back in with the camera tool; began recording again at 1960 ft bls
9:35	Still very cloudy at 2180 ft bls – I can just make out the casing seams – TF says to continue
10:12	On the bottom with the video at 3205 ft bls, MR sited all the flows and fractures to look at on the way up, as well as look at every casing seem
13:38	Done with the video log, will rig up for RTS test ; video log included- the open hole section, investigate all temp changes, major voids, and potential flow zones; - the cased section- looked at the casing seat and all visible casing seams
	Prep for RTS test – Totalizer reading 00129448
14:10	Calibrate Ejector with Iodine 131 Isotope to prepare for RTS test – Dialed in pumps at 100 gpm to result in a down hole flow of 5 ft per min
14:20	RTS tool loaded and into the well
14:32	Tool on the way down the well
14:36	Logger will do a gamma read on the way down to verify the depth with the background from yesterday – to verify release depth of 2365 ft bls (5 ft above casing bottom)
14:53	Tool bottom is at 2385.5 ft bls ; Ejector is 2370 ftbls (5 ft from the bottom of the casing)

TIME	COMMENTS
	Logger will log 1 min of background time then eject MR checked rate on water push, pumps at 100gpm which is a downward displacement of 5 ft /min in the casing
14:55	Begin 1 min background gamma recording
14:56	Eject 1 millicurrie 20 elapsed before middle detector recorded radiation (2 ft below eject port)
14:58	Bottom detector recorded radiation (10 ft below eject port)
15:34	Rechecked the flow rates down the well, still 100 gpm
15:56	RTS test 1 done, no significant detection by upper detector in the 60 mins the test was conducted – tool is on its way up the hole 200 ft to 2185.5 ft bls, we are currently logging up the hole with the gamma ray tool to detect staining – none detected
15:10	Completed the “after flush” for test 1 and gamma logged back up the well; begin setup to start test 2 – reset the bottom of the tool to 2385.5ft bls and will release 1 millicurrie then follow for 30 mins
16:44	Begin 1 minute of background for 30 min test
16:50	Begin ejection of 1 millicurrie 20 sec for middle detector to record radiation
16:51:50	Bottom detector records radiation
17:07	MR check the pump rate because the log looked odd; as the gamma wave unwinds, pump rate is 49 gal / 30sec or 98 gpm
17:20	Done with 30 min RTS test – no annomilies, gamma log shows a little stain on the casing at 2370 ft bls - geologger brings tool up to 200 ft from the bottom while logging with gamma ray
17:27	Begin flushing down the well - logger is on his way down the well with the tool to empty it and log up the entire well
17:42	Tool at the bottom – dumping the remainder of the Iodine 131, begin log back up the hole
18:12	Logging complete, no irregular gamma readings, no evidence of the RTS test in the hole – MR offsite

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:WEDNESDAY** **APRIL 2, 2008** **GEOLOGIST: M.REGON** **ACTIVITY: DEMOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
	YBI continued the demobilization of the drilling equipment.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:THURSDAY** **APRIL 3, 2008** **GEOLOGIST: M.REGON** **ACTIVITY: DEMOBILIZATION**

CHRONOLOGY

TIME	COMMENTS
	YBI continued the demobilization of the drilling equipment.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:FRIDAY** **APRIL 4, 2008** **GEOLOGIST: M.REGON** **ACTIVITY**:

CHRONOLOGY

TIME	COMMENTS
	YBI has demobilized from the Lehigh Acres DIW-1 site, and are awaiting the Injection Test on DIW-1

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:MONDAY** **APRIL 7, 2008** **GEOLOGIST: M.REGON** **ACTIVITY**:

CHRONOLOGY

TIME	COMMENTS
	YBI has demobilized from the Lehigh Acres DIW-1 site, and are awaiting the Injection Test on DIW-1

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:TUESDAY** **APRIL 8, 2008** **GEOLOGIST: M.REGON** **ACTIVITY**:

CHRONOLOGY

TIME	COMMENTS
	YBI has demobilized from the Lehigh Acres DIW-1 site, and are awaiting the Injection Test on DIW-1

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:WEDNESDAY** **APRIL 9, 2008** **GEOLOGIST: M.REGON** **ACTIVITY**:

CHRONOLOGY

TIME	COMMENTS
	YBI has demobilized from the Lehigh Acres DIW-1 site, and has installed pipeing and pumps in the DIW-1 well head in preparation for the Injection Test.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:THURSDAY** **APRIL 10, 2008** **GEOLOGIST: M.REGON** **ACTIVITY**:

CHRONOLOGY

TIME	COMMENTS
	YBI has demobilized from the Lehigh Acres DIW-1 site, and has installed piping and pumps in the DIW-1 well head in preparation for the Injection Test.

DAILY CONSTRUCTION SHIFT REPORT

Lehigh Acres Deep Injection Well No. 1 **FDEP Project No. 48064-078-UC** **PBS&J Project No. 071200.90**	**PAGE 1 OF 1** **DATE:FRIDAY** **APRIL 11, 2008** **GEOLOGIST: M.REGON** **ACTIVITY**:

CHRONOLOGY

TIME	COMMENTS
	YBI has demobilized from the Lehigh Acres DIW-1 site, and has installed piping and pumps in the DIW-1 well head in preparation for the Injection Test.

APPENDIX D

Well Completion Reports

WELL COMPLETION REPORT

FORM 0124
Rev. 11/90

FGUA — 1500 MAHAN DRIVE #250 — TALLAHASSEE — FL — 32308
Owner — Address — City — State — Zip

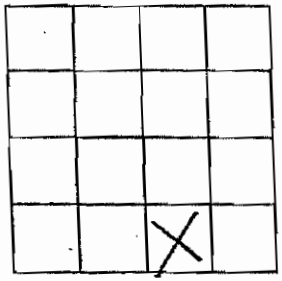
Contractor's Signature — 1509 License No. — 5-18-2007 Completion Date — 20' Casing Depth — 20' Total Depth — PMW-1 Well #

TYPE OF WORK: Construct (✓) Repair ( ) Abandon ( )
WELL USE: Domestic Well ( ) Public ( ) Monitor (✓) Test ( )
Irrigation ( ) Fire Well ( ) Other _____
METHOD: Rotary with MUD (✓) or Air ( ), Cable Tool ( ), Jet ( )
Casing Driven ( ), Other _____
STATIC WATER LEVEL 5 Ft. below top of casing
PUMPING WATER LEVEL _____ Ft. after _____ Hrs. at _____ GPM
PUMP SIZE _____ H.P. CAPACITY _____ GPM
PUMP TYPE _____ INTAKE DEPTH _____ From top of ground

LOCATION
Located Near 550 CONSTRUCTION LANE, LEHIGH ACRES
County LEE

SW ¼ SE ¼ Section 30 Township 44 Range 27

Latitude-Longitude



LOCATE IN SECTION

Cuttings sent to District? ( ) Yes (✓) No

Note: PWS Wells attach a site map if well location is different from site location on permit application.

Grout Thickness & Depth	Casing & Screen Diameter & Depth	Depth (ft) From	Depth (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.
3" & 9'	CASING	0	3	SAND
	2"	3	10	Rock
	0'-10'	10	20	MARL & CLAY
	SCREEN			
	2"			
	10'-20'			
Number of bags				

3 CEMENT
17 SAND

Casing: Black Steel ( ) Galv. ( ) PVC (✓) Fiberglass ( )
Screen: Type PVC Slot size 0.010"
Screened from 10 (ft.) to 20 (ft.)
Type of grout with % additives NEAT CEMENT & 20/30 SAND
Water: Clear ( ) Colored ( ) Sulphur ( ) Salty ( ) Iron ( )
Conductivity _____ Chlorides _____ mg/l

WELL COMPLETION REPORT

FORM 0124
Rev. 11/90

FGUA 1500 MAHAN DRIVE #250 TALLAHASSEE FL 32308
Owner Address City State Zip

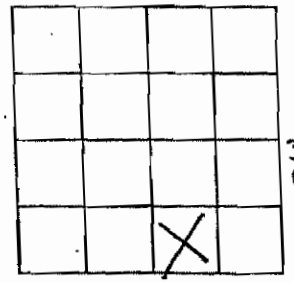
Contractor's Signature 1509 5-18-2007 20' 20' PMW-2
License No. Completion Date Casing Depth Total Depth Well #

TYPE OF WORK: Construct (✓) Repair ( ) Abandon ( )
WELL USE: Domestic Well ( ) Public ( ) Monitor (✓) Test ( )
Irrigation ( ) Fire Well ( ) Other _____
METHOD: Rotary with MUD (✓) or Air ( ), Cable Tool ( ), Jet ( )
Casing Driven ( ), Other _____
STATIC WATER LEVEL 5 Ft. below top of casing
PUMPING WATER LEVEL _____ Ft. after _____ Hrs. at _____ GPM
PUMP SIZE _____ H.P. CAPACITY _____ GPM
PUMP TYPE _____ INTAKE DEPTH _____
From top of ground

LOCATION
Located Near 550 CONSTRUCTION LANE, LEHIGH ACRES
County LEE

SW SE 30 44 27
¼ ¼ Section Township Range

Latitude-Longitude



LOCATE IN SECTION

Cuttings sent to District? ( ) Yes (✓) No

Note: PWS Wells attach a site map if well location is different from site location on permit application.

Grout Thickness & Depth	Casing & Screen Diameter & Depth	Depth (ft) From	Depth (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.
3" & 9'	CASING 2"	0	3	SAND
		3	10	ROCK
	0'-10'	10	20	MARL & CLAY
	SCREEN 2"			
	10'-20'			
Number of bags				
3 CEMENT (7 SAND)				

Casing: Black Steel ( ) Galv. ( ) PVC (✓) Fiberglass ( )
Screen: Type PVC Slot size 0.010"
Screened from 10 (ft.) to 20 (ft.)
Type of grout with % additives NEAT CEMENT & 20/30 SAND
Water: Clear ( ) Colored ( ) Sulphur ( ) Salty ( ) Iron ( )
Conductivity _____ Chlorides _____ mg/l

WELL COMPLETION REPORT

FORM 0124
Rev. 11/90

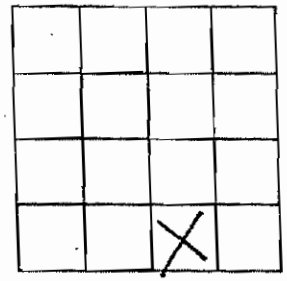
FGUA — 1500 MAHAN DRIVE #250 — TALLAHASSEE — FL — 32308
Owner — Address — City — State — Zip

Contractor's Signature — 1509 License No. — 5-18-2007 Completion Date — 20' Casing Depth — 20' Total Depth — PMW-3 Well #

TYPE OF WORK: Construct (✓) Repair ( ) Abandon ( )
WELL USE: Domestic Well ( ) Public ( ) Monitor (✓) Test ( )
Irrigation ( ) Fire Well ( ) Other _____
METHOD: Rotary with MUD (✓) or Air ( ), Cable Tool ( ), Jet ( )
Casing Driven ( ), Other _____
STATIC WATER LEVEL 5 Ft. below top of casing
PUMPING WATER LEVEL _____ Ft. after _____ Hrs. at _____ GPM
PUMP SIZE _____ H.P. CAPACITY _____ GPM
PUMP TYPE _____ INTAKE DEPTH _____ From top of ground

Grout Thickness & Depth	Casing & Screen Diameter & Depth	Depth (ft) From	Depth (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.
3" & 9'	CASING 2" 0'-10'	0	3	SAND
		3	10	ROCK
		10	20	MARL & CLAY
	SCREEN 2" 10'-20'			
Number of bags				3 CEMENT 17 SAND

LOCATION
Located Near 550 CONSTRUCTION LANE, LEHIGH ACRES
County LEE
SW SE 30 44 27
¼ ¼ Section Township Range
Latitude-Longitude


LOCATE IN SECTION

Cuttings sent to District? ( ) Yes (✓) No

Note: PWS Wells attach a site map if well location is different from site location on permit application.

Casing: Black Steel ( ) Galv. ( ) PVC (✓) Fiberglass ( )
Screen: Type PVC Slot size 0.010"
Screened from 10 (ft.) to 20 (ft.)
Type of grout with % additives NEAT CEMENT & 20/30 SAND
Water: Clear ( ) Colored ( ) Sulphur ( ) Salty ( ) Iron ( )
Conductivity _____ Chlorides _____ mg/l

WELL COMPLETION REPORT

FORM 0124
Rev. 11/90

FGUA 1500 MAHAN DRIVE #250 TALLAHASSEE FL 32308

Owner | Address | City | State | Zip

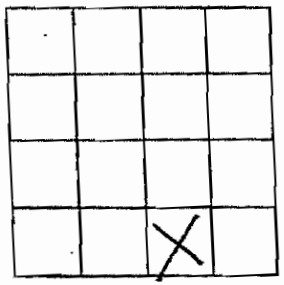
Contractor's Signature | 1509 License No. | 5-18-2007 Completion Date | 20' Casing Depth | 20' Total Depth | PMW-4 Well #

TYPE OF WORK: Construct (✓) Repair ( ) Abandon ( )
WELL USE: Domestic Well ( ) Public ( ) Monitor (✓) Test ( )
Irrigation ( ) Fire Well ( ) Other _____
METHOD: Rotary with MUD (✓) or Air ( ), Cable Tool ( ), Jet ( )
Casing Driven ( ) Other _____
STATIC WATER LEVEL 5 Ft. below top of casing
PUMPING WATER LEVEL _____ Ft. after _____ Hrs. at _____ GPM
PUMP SIZE _____ H.P. CAPACITY _____ GPM
PUMP TYPE _____ INTAKE DEPTH _____ From top of ground

LOCATION
Located Near 550 CONSTRUCTION LANE, LEHIGH ACRES
County LEE

SW SE 30 44 27
¼ ¼ Section Township Range

Latitude-Longitude



LOCATE IN SECTION

Cuttings sent to District? ( ) Yes (✓) No

Note: PWS Wells attach a site map if well location is different from site location on permit application.

Grout Thickness & Depth	Casing & Screen Diameter & Depth	Depth (ft) From	Depth (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.
3" & 9'	CASING 2"	0	3	SAND
		3	10	ROCK
	0' - 10'	10	20	MARL & CLAY
	SCREEN			
	2"			
	10' - 20'			
Number of bags				

3 CEMENT
17 SAND

Casing: Black Steel ( ) Galv. ( ) PVC (✓) Fiberglass ( )
Screen: Type PVC Slot size 0.010"
Screened from 10 (ft.) to 20 (ft.)
Type of grout with % additives NEAT CEMENT & 20/30 SAND
Water: Clear ( ) Colored ( ) Sulphur ( ) Salty ( ) Iron ( )
Conductivity _____ Chlorides _____ mg/l

WELL COMPLETION REPORT

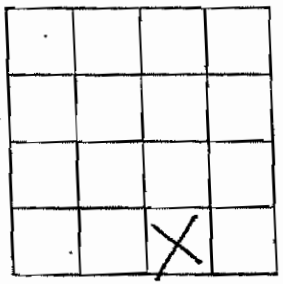
FORM 0124
Rev. 11/90

FGUA | 1500 MAHAN DRIVE #250 | TALLAHASSEE | FL | 32308
Owner | Address | City | State | Zip

Contractor's Signature | 1509 License No. | 8-1-2007 Completion Date | 20' Casing Depth | 20' Total Depth | PMW-5 Well #

TYPE OF WORK: Construct (✓) Repair ( ) Abandon ( )
WELL USE: Domestic Well ( ) Public ( ) Monitor (✓) Test ( )
Irrigation ( ) Fire Well ( ) Other _____
METHOD: Rotary with MUD (✓) or Air ( ), Cable Tool ( ), Jet ( )
Casing Driven ( ), Other _____
STATIC WATER LEVEL 4 Ft. below top of casing
PUMPING WATER LEVEL _____ Ft. after _____ Hrs. at _____ GPM
PUMP SIZE _____ H.P. CAPACITY _____ GPM
PUMP TYPE _____ INTAKE DEPTH _____ From top of ground

LOCATION
Located Near 550 CONSTRUCTION LANE, LEHIGH ACRES
County LEE
SW SE 30 44 27
¼ ¼ Section Township Range
Latitude-Longitude



LOCATE IN SECTION

Cuttings sent to District? ( ) Yes (✓) No

Note: PWS Wells attach a site map if well location is different from site location on permit application.

Grout Thickness & Depth	Casing & Screen Diameter & Depth	Depth (ft) From	Depth (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.
3" & 4'	CASING	0	3	SAND
	2"	3	9	ROCK
	0'-5'	9	20	MARL & CLAY
	SCREEN			
	2"			
	5'-20'			
Number of bags				
2 CEMENT 15 SAND				

Casing: Black Steel ( ) Galv. ( ) PVC (✓) Fiberglass ( )
Screen: Type PVC Slot size 0.010"
Screened from 5 (ft.) to 20 (ft.)
Type of grout with % additives NEAT CEMENT & 20/30 SAND
Water: Clear ( ) Colored ( ) Sulphur ( ) Salty ( ) Iron ( )
Conductivity _____ Chlorides _____ mg/l

WELL COMPLETION REPORT

FORM 0124
Rev. 11/90

FGUA 1500 MAHAN DRIVE #250 TALLAHASSEE FL 32308

Owner | Address | City | State | Zip

Contractor's Signature | License No. | Completion Date | Casing Depth | Total Depth | Well #

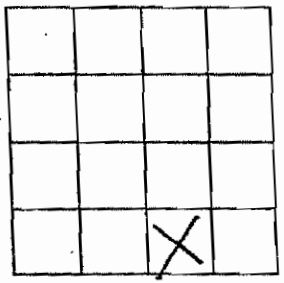
TYPE OF WORK: Construct (✓) Repair ( ) Abandon ( )
WELL USE: Domestic Well ( ) Public ( ) Monitor (✓) Test ( )
Irrigation ( ) Fire Well ( ) Other _____
METHOD: Rotary with MUD (✓) or Air ( ), Cable Tool ( ), Jet ( )
Casing Driven ( ), Other _____
STATIC WATER LEVEL 3' Ft. below top of casing
PUMPING WATER LEVEL _____ Ft. after _____ Hrs. at _____ GPM
PUMP SIZE _____ H.P. CAPACITY _____ GPM
PUMP TYPE _____ INTAKE DEPTH _____ From top of ground

LOCATION

Located Near 550 CONSTRUCTION LANE, LEHIGH ACRES
County LEE

SW SE 30 44 27
¼ ¼ Section Township Range

Latitude-Longitude



LOCATE IN SECTION

Cuttings sent to District? ( ) Yes (✓) No

Note: PWS Wells attach a site map if well location is different from site location on permit application.

Grout Thickness & Depth	Casing & Screen Diameter & Depth	Depth (ft) From	Depth (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.
3" &	CASING	0	3	SAND
2'	2"	3	9	ROCK
	0' - 3'	9	18	MARL & CLAY
	SCREEN			
	2"			
	3' - 18'			
Number of bags				
1 CEMENT				
20 SAND				

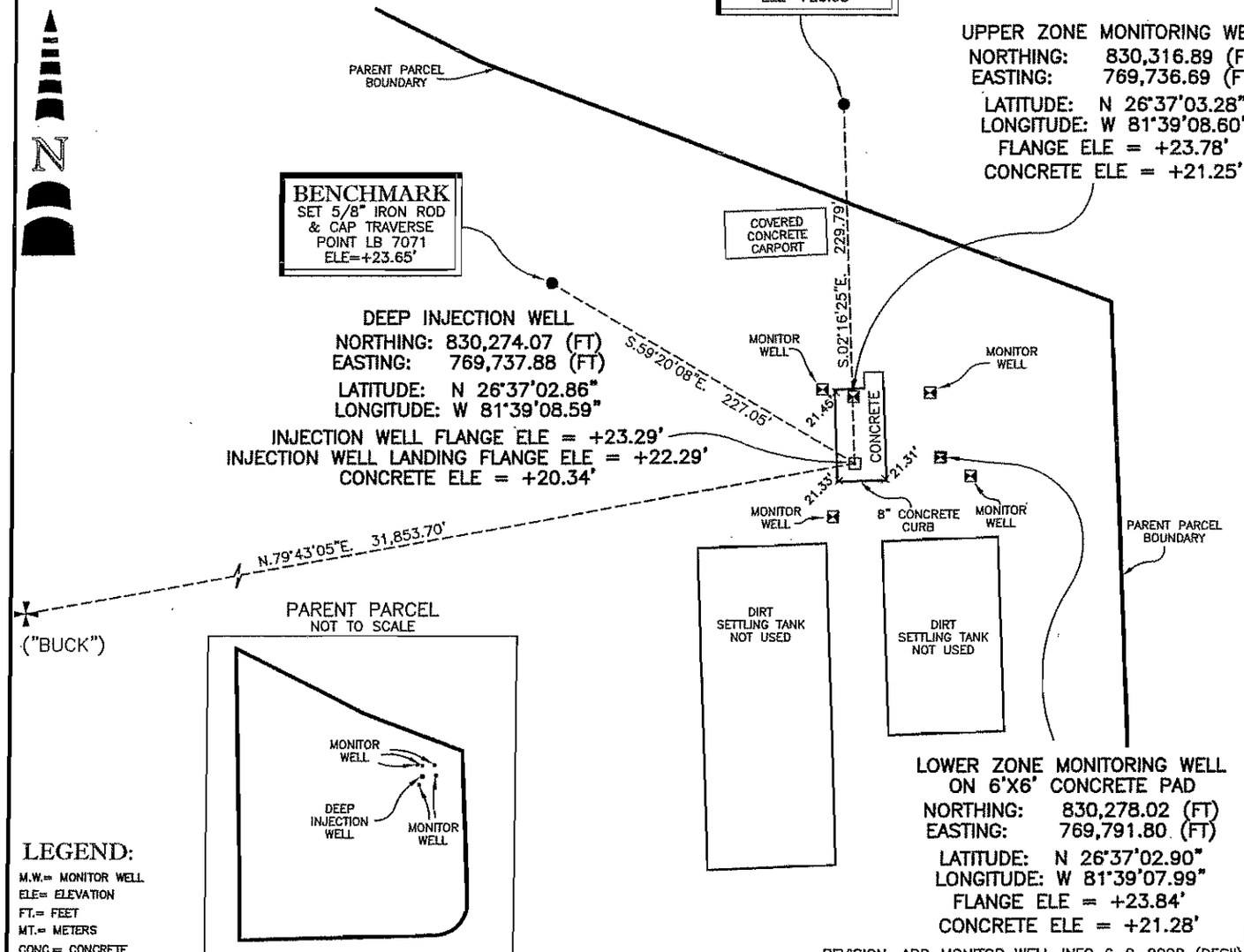
Casing: Black Steel ( ) Galv. ( ) PVC (✓) Fiberglass ( )
Screen: Type PVC Slot size 0.010"
Screened from 3 (ft.) to 18 (ft.)
Type of grout with % additives NEAT CEMENT & 20/30 SAND
Water: Clear ( ) Colored ( ) Sulphur ( ) Salty ( ) Iron ( )
Conductivity _____ Chlorides _____ mg/l

SPECIFIC PURPOSE SURVEY

LYING IN
SECTION 30, TOWNSHIP 44 SOUTH, RANGE 27 EAST
LEE COUNTY, FLORIDA

THE COORDINATES SHOWN HEREON ARE BASED ON BUCK CONTROL STATION.

DESIGNATION – BUCK
PID – AD6134
STATE/COUNTY – FL/LEE
USGS QUAD – ALVA SW (1987)
NAD 83/(2007) GEOGRAPHIC COORDINATE – N 26°36'07.27560" W 081°44'54.05747"
NAD 83/2007 STATE PLANE COORDINATE – FLORIDA WEST ZONE
NORTHING: 824,588.44 (FT)
EASTING: 738,395.71 (FT)



PARENT PARCEL
NOT TO SCALE

LEGEND:
M.W.= MONITOR WELL
ELE= ELEVATION
FT.= FEET
MT.= METERS
CONC.= CONCRETE

REVISION: ADD MONITOR WELL INFO 6-9-2008 (DESII)

NOTES:

THIS PLAT PREPARED AS A SPECIFIC PURPOSE SURVEY FOR THE PURPOSE OF LOCATING THE EXISTING WELLS AT LEHIGH WASTEWATER TREATMENT PLANT.

BEARINGS AND COORDINATES SHOWN HEREON ARE STATE PLANE FOR THE FLORIDA WEST ZONE NORTH AMERICAN DATUM (NAD) 83/2007 ADJUSTMENT AND BASED ON CONTROL STATION "BUCK".

ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988), BASED ON CONTROL STATION "BUCK". A NATIONAL GEODETIC SURVEY CONTROL POINT.

ABOVEGROUND & UNDERGROUND IMPROVEMENTS, UTILITIES AND/OR FOUNDATIONS WERE NOT LOCATED UNLESS OTHERWISE NOTED.

DATE OF LAST FIELD WORK: 6-9-2008.

PREPARED FOR:

YOUNGQUIST BROTHERS, INC.

BY: _____
DENIS J. O'CONNELL, JR.
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. LS# 5430

DATE SIGNED: 6/10/08

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

THIS SPECIFIC PURPOSE SURVEY IS ONLY FOR THE LANDS AS DESCRIBED. IT IS NOT A CERTIFICATE OF TITLE, ZONING, EASEMENTS OR FREEDOM OF ENCUMBRANCES.

THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF AN ABSTRACT OF TITLE AND ALL MATTERS OF TITLE SHOULD BE REFERRED TO AN ATTORNEY AT LAW.

LEHIGH WASTEWATER TREATMENT PLANT

TITLE: SPECIFIC PURPOSE SURVEY

METRON
SURVEYING & MAPPING, LLC
LAND SURVEYORS·PLANNERS
LB# 7071

10970 S. CLEVELAND AVENUE,
SUITE #605
FORT MYERS, FLORIDA 33907
PHONE: (239) 275-8575
FAX: (239) 275-8457

www.metronfl.com

FILE NAME:	FIELD BOOK/PAGE:	PROJECT NO.:	SHEET:
10417SR.DWG	463/39	10417	1 OF 1

SURVEY DATE:	DRAWN BY:	SCALE:	CHECKED BY:	(S-T-R)
5-16-2008	DESII	1"= 100'	DJO	30-44-27

APPENDIX E

Casing Milling Certificates

MONITOR WELL CASINGS

TELEPHONE: (416) 255-1113
FAX: (416) 252-6251

CANADIAN PHOENIX STEEL PRODUCTS

DIVISION OF 1046791 ONTARIO LIMITED
288 HORNER AVENUE
ETOBICOKE, ONTARIO,
CANADA
M8Z 4Y4

LABORATORY REPORT AND MILL TEST CERTIFICATE

DATE June 7/01

CUSTOMER

SPECIFICATION A1398

CUSTOMER'S P.O 6921

DIA. & WALL 26" O.D. X .375 WT

PHOENIX REF.# 02 38255

HYDROTEST 810 PSI FOR 10 Sec

PHYSICAL PROPERTIES

HEAT NO.	PIPE NO.	LONGITUDINAL TEST YIELD	TENSILE	% ELONGATION	TRANSVERSE WELD TENSILE	BREAK LOCATION
V51702	3	51400	70200	27.0	73800	PM
1300715	7	54000	73100	26.3	76500	PM
1300720	15	55900	72900	26.8	76400	PM
D44399	24	57900	76300	26.0	79500	PM
8170A	27	54500	78400	37.5	81500	PM
V51072	33	53400	70400	28.7	73900	PM

LADLE ANALYSIS CHEMICAL COMPOSITION

HEAT NO	C	MN	S	P	SI	CR	NI	CU	MO	AL
V51702	.16	.99	.007	.013	.010					.047
1300715	.21	.83	.002	.013	.020					.025
1300720	.22	.87	.001	.012	.030					.023
D44399	.07	1.20	.004	.014	.080					.035
8170A	.18	.81	.007	.009	.23	.03	.01	.03	.01	.036
V51072	.16	.99	.007	.013	.010					.047

The material listed on this report has been tested in accordance with the specification shown above.

Authorized Approval

15070-010-A
5/9/07

ISPAT SIDEX
Member of THE LNM GROUP
THE LARGEST IRON AND STEEL PRODUCER OF ROMANIA

1, Smardan Street, Galati, 6200, ROMANIA
Phone: +40 236 407 633
Fax: +40 236 407 635
http://www.ispat.com; e-mail: office@sidex.ro

ISO70-010-A
5/9/07

TUV

INSPECTION CERTIFICATE: 578268

ACCORDING TO: EN 10204/3.1.B

CUSTOMER:

PRODUCT: LSAW CARBON STEEL LINE PIPE

EXTERNAL ASPECT: SUITABLE

DATE 2-Jul-04

ORDER: 900024/50000613

STANDARD: API 5L 42edition;API2B for dimensional tolerances;straightness max.0.551 ";NACE MR 0175 for hardness

DELIVERY STATE: Expandated, Bevelled ends at 30° ; V=1,0

LOT:

MECHANICAL TESTS

Total number of pieces: 83 Total weight: 328660 lbs

No. crt.	No. Pipe	No. Heat	Quality	Diameter [inch]	Length [foot]	Thickness [inch]	Weight [lbs.]	No. Test	Direction	Dim. of specimens[inch]base material	Rm [psi] base material	Re[psi] base material	A[%] base material	Re/Rm [%]	Dim. of specimens[inch]weld	Rm [psi]weld	Hardness HV 10 for base material	Guided-bend test trans.	Impact test notch for base material 32°F	Hydrostatic test 1350psi/10sec	X ray investigation acc.ISO wire 4%
1	158942	913028	X 52- X42-Gr.B PSL1	26	38.65	0.375	3971.85	159082	trans.	1.51x0.41	86124	65136	32	0.756	1.50x0.40	90183	170	suitable		suitable	suitable
2	158943			26	38.48	0.375	3954.21													suitable	suitable
3	158944			26	38.68	0.375	3974.06													suitable	suitable
4	158945			26	38.71	0.375	3978.47													suitable	suitable
5	158946			26	38.68	0.375	3974.06													suitable	suitable
6	158947			26	38.52	0.375	3958.62													suitable	suitable
7	159080			26	38.71	0.375	3978.47													suitable	suitable
8	159081			26	38.71	0.375	3978.47													suitable	suitable
9	159082			26	37.20	0.375	3824.09													suitable	suitable
10	159083			26	38.75	0.375	3980.67													suitable	suitable
11	158340			26	38.65	0.375	3971.85													suitable	suitable
12	158341			26	38.71	0.375	3978.47													suitable	suitable
13	158594			26	38.45	0.375	3952.00													suitable	suitable
14	158595			26	38.71	0.375	3978.47													suitable	suitable
15	158596			26	38.68	0.375	3974.06													suitable	suitable
16	158597			26	38.71	0.375	3978.47													suitable	suitable
17	158598			26	38.65	0.375	3971.85													suitable	suitable
18	159585	913095		26	38.71	0.375	3978.47	159587	trans.	1.49x0.39	85278	73754	34	0.864	1.49x0.39	86046	176	suitable		suitable	suitable
19	159586			26	38.42	0.375	3947.59													suitable	suitable
20	159587			26	37.14	0.375	3815.27													suitable	suitable
21	159588			26	38.68	0.375	3974.06													suitable	suitable
22	159589			26	38.65	0.375	3971.85													suitable	suitable
23	159590			26	38.65	0.375	3971.85													suitable	suitable
24	159591			26	38.65	0.375	3971.85													suitable	suitable
25	159592			26	38.68	0.375	3974.06													suitable	suitable
26	159593			26	38.71	0.375	3978.47													suitable	suitable
27	159065	924864		26	38.71	0.375	3978.47	159069	trans.	1.53x0.42	78739	62016	32	0.788	1.52x0.41	82829	179	suitable		suitable	suitable
28	159066			26	38.42	0.375	3947.59													suitable	suitable
29	159067			26	38.68	0.375	3974.06													suitable	suitable
30	159068			26	38.71	0.375	3978.47													suitable	suitable
31	159069			26	37.11	0.375	3813.06													suitable	suitable
32	159070			26	38.68	0.375	3974.06													suitable	suitable
33	159071			26	38.71	0.375	3978.47													suitable	suitable
34	159072			26	38.68	0.375	3974.06													suitable	suitable
35	159073			26	38.65	0.375	3971.85													suitable	suitable
36	159074			26	38.68	0.375	3974.06													suitable	suitable
37	159075			26	38.58	0.375	3965.23													suitable	suitable
38	159076			26	38.19	0.375	3923.33													suitable	suitable
39	159077			26	38.42	0.375	3947.59													suitable	suitable
40	159078			26	38.68	0.375	3974.06													suitable	suitable
41	159079			26	38.65	0.375	3971.85													suitable	suitable
42	158878	937978		26	38.45	0.375	3952.00	158896	trans.	1.48x0.40	89277	66386	32	0.744	1.50x0.40	89589	184	suitable		suitable	suitable
43	158879			26	38.62	0.375	3967.44													suitable	suitable
44	158880			26	38.39	0.375	3945.39													suitable	suitable

CUSTOMER:

PRODUCT: LSAW CARBON STEEL LINE PIPE

EXTERNAL ASPECT: SUITABLE

DATE 2-Jul-04

ORDER: 900024/50000613

STANDARD: API 5L 42edition;API2B for dimensional tolerances;straighiness max.0.551 ";NACE MR 0175 for hardness

DELIVERY STATE: Expandated, Bevelled ends at 30° ; V=1,0

LOT:

MECHANICAL TESTS

Total number of pieces: 83 Total weight: 328660 lbs

No. crt.	No. Pipe	No. Heat	Quality	Diameter [inch]	Length [foot]	Thickness [inch]	Weight [lbs.]	No. Test	Direction	Dim. of specimens[inch]base material	Rm [psi] base material	Re[psi] base material	A[%] base material	Re/Rm [%]	Dim. of specimens[inch]weld	Rm [psi]weld	Hardness HV 10 for base material	Guided-bend test trans.	Impact test notch for base material 32°F	Hydrostatic test 1350psi/10sec	X ray investigation acc.ISO wire 4%
45	158881	937978		26	38.65	0.375	3971.85													suitable	suitable
46	158882			26	38.65	0.375	3971.85													suitable	suitable
47	158883			26	38.48	0.375	3954.21													suitable	suitable
48	158884			26	38.65	0.375	3971.85													suitable	suitable
49	158885			26	38.42	0.375	3947.59													suitable	suitable
50	158886			26	38.62	0.375	3967.44													suitable	suitable
51	158887			26	38.65	0.375	3971.85													suitable	suitable
52	158888			26	38.65	0.375	3971.85													suitable	suitable
53	158889			26	38.68	0.375	3974.06													suitable	suitable
54	158890			26	38.65	0.375	3971.85													suitable	suitable
55	158891			26	38.65	0.375	3971.85													suitable	suitable
56	158892			26	38.68	0.375	3974.06													suitable	suitable
57	158893			26	38.68	0.375	3974.06													suitable	suitable
58	158894			26	38.65	0.375	3971.85													suitable	suitable
59	158895			26	38.68	0.375	3974.06													suitable	suitable
60	158896			26	37.07	0.375	3808.65													suitable	suitable
61	158897			26	38.65	0.375	3971.85													suitable	suitable
62	158898			26	38.65	0.375	3971.85													suitable	suitable
63	158899			26	38.68	0.375	3974.06													suitable	suitable
64	158900			26	38.68	0.375	3974.06													suitable	suitable
65	158901			26	38.62	0.375	3967.44													suitable	suitable
66	158949			26	38.65	0.375	3971.85													suitable	suitable
67	158950			26	38.65	0.375	3971.85													suitable	suitable
68	158951			26	38.65	0.375	3971.85													suitable	suitable
69	158952			26	38.65	0.375	3971.85													suitable	suitable
70	158953			26	38.68	0.375	3974.06													suitable	suitable
71	158954			26	38.52	0.375	3958.62													suitable	suitable
72	158955			26	38.71	0.375	3978.47													suitable	suitable
73	158956			26	38.71	0.375	3978.47													suitable	suitable
74	158957			26	38.71	0.375	3978.47													suitable	suitable
75	158958			26	38.68	0.375	3974.06													suitable	suitable
76	158959			26	38.68	0.375	3974.06													suitable	suitable
77	158960			26	38.62	0.375	3967.44													suitable	suitable
78	159415	938195		26	38.68	0.375	3974.06	159419	trans.	1.54x0.37	78180	66394	32	0.849	1.55x0.36	86914	170	suitable		suitable	suitable
79	159416			26	38.62	0.375	3967.44													suitable	suitable
80	159417			26	38.29	0.375	3934.36													suitable	suitable
81	159418			26	38.65	0.375	3971.85													suitable	suitable
82	159419			26	37.14	0.375	3815.27													suitable	suitable
83	159420			26	38.39	0.375	3945.39													suitable	suitable

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http://www.ispat.com; e-mail: office@sidex.ro

INSPECTION CERTIFICATE: 578268

ACCORDING TO: EN 10204/3.1.B

CUSTOMER:

PRODUCT: LSAW CARBON STEEL LINE PIPE

EXTERNAL ASPECT: SUITABLE
DATE: 02-Jul-04

ORDER: 900024/50000613
STANDARD: API 5L 42edition;API2B for dimensional tolerances;straightness max.0.551 ";NACE MR 0175 for hardness
DELIVERY STATE: Expandated, Bevelled ends at 30° ; V=1,0
LOT:

CHEMICAL ANALYSIS, %

	No. Heat	C	MN	SI	P	S	AL	CU	CR	NI	V	MO	TI	NB	B	AS	N2 bellow	H2	ZR
1	913028	0.13	1.20	0.31	0.021	0.010	0.035	0.020	0.020	0.010	0.05		0.017	0.043					
2	913095	0.14	1.12	0.34	0.025	0.008	0.035	0.010	0.020	0.010	0.04		0.02	0.042					
3	924884	0.12	1.10	0.27	0.018	0.010	0.047	0.040	0.020	0.010	0.04			0.042					
4	937978	0.15	1.20	0.23	0.030	0.010	0.060	0.030	0.030	0.030	0.04			0.04					
5	938195	0.14	1.04	0.22	0.020	0.010	0.050	0.020	0.020	0.010	0.04		0.017	0.038					

INSPECTOR NAME
PRODAN GABRIELA

CONTROLUL CALITATII
ISPAT SIDEX S.A.
8
GALATI-ROMANIA

5/9/07 15070-010-A
Shawn Skinner

S.C. ISPAT SIDEX S.A. GALATI - ROMANIA

INSPECTION CERTIFICATE No.576719
ACC.TO EN 10204/3.1.B.

ORDER : 40816
CUSTOMER :
PRODUCT : LONGITUDINALLY SUBMERGED WELDED PIPES
SPECIFICATION : API 5L 42 EDITION GRADE X52 / X42 PSL1, API 2B FOR DIMENSIONAL TOLERANCES.
DELIVERYSTATE : EXPANDATED, CLEAR LAQUERED OUTSIDE
BEVELLED ENDS AT 30° (+5° / -0°)
WELD FACTOR : V = 1.0
STRAIGHTNESS : max. 0.55 inch.

PIPE No.	HEAT	DIMENSION inchxinchxft	WEIGHT lbs.	* 1	* 2	* 3	TENSILE TEST YS PSI	TS	EL %	YS/TS	DIM. OF SPECIMENS inch.	HARDNES HV10	GUIDED-TES
148662	927754	0.375X26X38.68	3975.46	L	B	T	62366	79191	36	0.787	1.49x0.38	188	
					W	T		79046			1.49x0.39		SUITABL
148666	"	0.375X26X38.65	3972.38										
148668	"	0.375X26X38.68	3975.46										
148676	"	0.375X26X38.68	3975.46										
148680	"	0.375X26X38.65	3972.38										
148687	"	0.375X26X38.68	3975.46										
148690	"	0.375X26X38.68	3975.46										
148697	"	0.375X26X38.65	3972.38										
148700	"	0.375X26X38.65	3972.38										
148701	"	0.375X26X38.68	3975.46										
148706	"	0.375X26X38.58	3965.18										
148849	"	0.375X26X38.71	3978.54										

TO BE CONTINUED

HEAT	* 5	CHEMICAL ANALYSIS												
		x 100			x 1000					x 100				
		C	Mn	Si	P	S	Al	Nb	Ti	Cr	Ni	Cu	MO	V
927754	H	14	138	26	21	9.0	45	-	-	-	-	-	-	3.0

END OF CERTIFICATE

DEFINITIONS:
* 1 TYPE OF TEST
  L = LOT
  H = HEAT
* 2 LOCATION
  B = BASE MATERIAL
  W = WELD
* 3 DIRECTION
  L = LONGITUDINAL
  T = TRANSVERSE
* 4 IMPACT TEST
  E = ENERGY

* 5 CHEMICAL ANALYSIS
  H = HEAT
  P = PRODUCT

OBSERVATIONS:
1. SURFACE & DIMENSION TEST : ACCEPTED
2. HYDROSTATIC TEST : ACCEPTED 1350 PSI / 10"
3. X RAY INVESTIGATION 100 % : ACCEPTED ACC. TO ISO WIRE 4% PENETRAMETER

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INSPECTOR
TEODORA BUNEA

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INSPECTION CERTIFICATE: 578268

ACCORDING TO: EN 10204/3.1.B

CUSTOMER: ORDER:

PRODUCT: LSAW CARBON STEEL LINE PIPE STANDARD:

EXTERNAL ASPECT: SUITABLE DELIVERY STATE:

DATE 2-Jul-04 LOT:

MECHANICAL TESTS

Total number of pieces: 83 Total weight: 328660 lbs

No. crt.	No. Pipe	No. Heat	Qrality	Diameter [inch]	Length [foot]	Thickness [inch]	Weight [lbs.]	No. Test	Direction	Dim. of specimens[inch]base material	Rm [psi] base material	Re[psi] base material	A[%] base material	Re/Rm [%]	Dim. of specimens[inch]weld	Rm [psi]weld	Hardness HV 10 for base material	Guided-bend test trans.	Impact test notch for base material 32°F	Hydro te 1350psi
1	158942	913028	X 52- X42-Gr.B PSL1	26	38.65	0.375	3971.85	159082	trans.	1.51x0.41	86124	65136	32	0.756	1.50x0.40	90183	170	suitable		suita
2	158943			26	38.48	0.375	3954.21													suitat
3	158944			26	38.68	0.375	3974.06													suitat
4	158945			26	38.71	0.375	3978.47													suitat
5	158946			26	38.68	0.375	3974.06													suitat
6	158947			26	38.52	0.375	3958.62													suitab
7	159080			26	38.71	0.375	3978.47													suitab
8	159081			26	38.71	0.375	3978.47													suitab
9	159082			26	37.20	0.375	3824.09													suitabl
10	159083			26	38.75	0.375	3980.67													suitabl
11	159340			26	38.65	0.375	3971.85													suitabl
12	159341			26	38.71	0.375	3978.47													suitabl
13	159594			26	38.45	0.375	3952.00													suitable
14	159595			26	38.71	0.375	3978.47													suitable
15	159596			26	38.68	0.375	3974.06													suitable
16	159597			26	38.71	0.375	3978.47													suitable
17	159598			26	38.85	0.375	3971.85													suitable
18	159585	913095		26	38.71	0.375	3978.47	159587	trans.	1.46x0.39	85278	73754	34	0.864	1.48x0.39	86046	176	suitable		suitable
19	159586			26	38.42	0.375	3947.59													suitable
20	159587			26	37.14	0.375	3815.27													suitable
21	159588			26	38.68	0.375	3974.06													suitable
22	159589			26	38.65	0.375	3971.85													suitable
23	159590			26	38.65	0.375	3971.85													suitable
24	159591			26	38.65	0.375	3971.85													suitable
25	159592			26	38.68	0.375	3974.06													suitable
26	159593			26	38.71	0.375	3978.47													suitable
27	159065	924884		26	38.71	0.375	3978.47	159069	trans.	1.53x0.42	78739	62016	32	0.788	1.52x0.41	82929	179	suitable		suitable
28	159066			26	38.42	0.375	3947.59													suitable
29	159067			26	38.68	0.375	3974.06													suitable
30	159068			26	38.71	0.375	3978.47													suitable
31	159069			26	37.11	0.375	3813.08													suitable
32	159070			26	38.68	0.375	3974.06													suitable
33	159071			26	38.71	0.375	3978.47													suitable
34	159072			26	38.68	0.375	3974.06													suitable
35	159073			26	38.65	0.375	3971.85													suitable
36	159074			26	38.68	0.375	3974.06													suitable
37	159075			26	38.56	0.375	3965.23													suitable
38	159076			26	38.19	0.375	3923.33													suitable
39	159077			26	38.42	0.375	3947.59													suitable
40	159078			26	38.68	0.375	3974.06													suitable
41	159079			26	38.85	0.375	3971.85													suitable
42	158878	937978		26	38.45	0.375	3952.00	158886	trans.	1.46x0.40	86277	66386	32	0.744	1.50x0.40	89589	164	suitable		suitable
43	158879			26	38.62	0.375	3967.44													suitable
44	158880			26	38.39	0.375	3945.39													suitable

CUSTOMER: ORDER:

PRODUCT: LSAW CARBON STEEL LINE PIPE STANDARD:

EXTERNAL ASPECT: SUITABLE DELIVERY STATE:

DATE 2-Jul-04 LOT:

MECHANICAL TESTS

Total number of pieces:. 83 Total weight: 328560 lbs

No. crt.	No. Pipe	No. Heat	Quality	Diameter [inch]	Length [foot]	Thickness [inch]	Weight [lbs.]	No. Test	Direction	Dim. of specimens[inch]base material	Rm [psi] base material	Re[psi] base material	A[%] base material	Re/Rm [%]	Dim. of specimens[inch]weld	Rm [psi]weld	Hardness HV 10 for base material	Guided-bend test trans.	Impact test notch for base material 32°F	Hydr te 1350ps
45	158881	937978		26	38.65	0.375	3971.85													suit
46	158882			26	38.65	0.375	3971.85													suit
47	158883			26	38.48	0.375	3954.21													suit
48	158884			26	38.65	0.375	3971.85													suit
49	158885			26	38.42	0.375	3947.59													suita
50	158886			26	38.62	0.375	3967.44													suita
51	158887			26	38.65	0.375	3971.85													suita
52	158888			26	38.65	0.375	3971.85													suita
53	158889			26	38.68	0.375	3974.06													suita
54	158890			26	38.65	0.375	3971.85													suita
55	158891			26	38.65	0.375	3971.85													suitat
56	158892			26	38.68	0.375	3974.06													suitat
57	158893			26	38.68	0.375	3974.06													suitat
58	158894			26	38.65	0.375	3971.85													suitat
59	158895			26	38.68	0.375	3974.06													suitat
60	158896			26	37.07	0.375	3808.65													suitab
61	158897			26	38.65	0.375	3971.85													suitab
62	158898			26	38.65	0.375	3971.85													suitab
63	158899			26	38.68	0.375	3974.06													suitab
64	158900			26	38.68	0.375	3974.06													suitabl
65	158901			26	38.62	0.375	3967.44													suitabl
66	158949			26	38.65	0.375	3971.85													suitabl
67	158950			26	38.65	0.375	3971.85													suitabl
68	158951			26	38.65	0.375	3971.85													suitabl
69	158952			26	38.65	0.375	3971.85													suitabl
70	158953			26	38.68	0.375	3974.06													suitabl
71	158954			26	38.52	0.375	3958.62													suitabl
72	158955			26	38.71	0.375	3978.47													suitabl
73	158956			26	38.71	0.375	3978.47													suitabl
74	158957			26	38.71	0.375	3978.47													suitable
75	158958			26	38.68	0.375	3974.06													suitable
76	158959			26	38.68	0.375	3974.06													suitable
77	158960			26	38.62	0.375	3967.44													suitable
78	159415	938195		26	38.68	0.375	3974.06	159419	trans.	1.54x0.37	70180	66394	32	0.849	1.55x0.36	69014	170	suitable		suitable
79	159416			26	38.62	0.375	3967.44													suitable
80	159417			26	38.29	0.375	3934.38													suitable
81	159418			26	38.65	0.375	3971.85													suitable
82	159419			26	37.14	0.375	3815.27													suitable
83	159420			26	38.39	0.375	3945.39													suitable

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http://www.ispat.com; e-mail: office@sidex.ro

INSPECTION CERTIFICATE: 578268

ACCORDING TO: EN 10204/3.1.B

CUSTOMER:

ORDER: 900024/5000

PRODUCT: LSAW CARBON STEEL LINE PIPE

STANDARD: API 5L 42edi tolerances;sl hardness

EXTERNAL ASPECT: SUITABLE

DELIVERY STATE: Exp

DATE: 02-Jul-04

LOT:

CHEMICAL ANALYSIS, %

	No. Heat	C	MN	SI	P	S	AL	CU	CR	NI	V	MO	TI	NB	B	AS	N2 bello
1	913028	0.13	1.20	0.31	0.021	0.010	0.035	0.020	0.020	0.010	0.05		0.017	0.043			
2	913095	0.14	1.12	0.34	0.025	0.008	0.035	0.010	0.020	0.010	0.04		0.02	0.042			
3	924884	0.12	1.10	0.27	0.018	0.010	0.047	0.040	0.020	0.010	0.04			0.042			
4	937978	0.15	1.20	0.23	0.030	0.010	0.060	0.030	0.030	0.030	0.04			0.04			
5	938195	0.14	1.04	0.22	0.020	0.010	0.050	0.020	0.020	0.010	0.04		0.017	0.038			

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S.
GALATI

YIEH CORPORATION LIMITED

MI

COMMODITY: CARBON STEEL PIPE PER SALES CONTRACT
NO. SEUSFP6C02TD3 DATED DECEMBER 11, 2006.

CUSTOMER: OZONE INDUSTRIES CORPORATION
15465 PINE RIDGE ROAD
FORT MYERS, FL 33908

The CARBON STEEL PIPES are tested according to ASTM A139 GR.B

This is to certify that in accordance with the relevant specifications and contracts.

The CARBON STEEL PIPES manufactured were tested and qualified by our Quality Cont

Pipes No.	Heat Numbers	Steel	Size			Quantity			Dime
			O.D.	W.T.	Length				
		Grade	in	in	ft	Pcs	ft	MT	Insp
1	014702	B	16	0.500	40	8	320	12.026	C
2	014706	B	16	0.500	40	5	200	7.516	C
3	019205	B	16	0.500	40	4	160	6.013	C
4	019402	B	16	0.500	40	5	200	7.516	C
5	019601	B	16	0.500	40	4	160	6.013	C
6	019403	B	16	0.500	40	5	200	7.516	C
7	014506	B	16	0.500	40	4	160	6.013	C
8	019203	B	16	0.500	40	4	160	6.013	C
9	019401	B	16	0.500	40	4	160	6.013	C
10	019801	B	16	0.500	40	5	200	7.516	C
11	210906	B	16	0.500	40	4	160	6.013	C
12	019802	B	16	0.500	40	5	200	7.516	Cl
13	019404	B	16	0.500	40	4	160	6.013	Cl
14	014704	B	16	0.500	40	4	160	6.013	Cl
15	019007	B	16	0.500	40	4	160	6.013	Cl
16	019004	B	16	0.500	40	6	240	9.022	Cl
17	010503	B	20	0.375	40	4	160	5.710	Cl

FUTURE PIPE INDUSTRIES
Complete Pipe System Solutions

IS070-009-1
6/18/07
Shaun Kiner

RED BOX 2500

FIBERGLASS TUBING, CASING, AND LINERS
AROMATIC AMINE CURED EPOXY RESIN

DIMENSIONAL SPECIFICATIONS

February 2005

Nominal Size (inches)	Nominal I.D. (inches)	Minimum Drift Dia (inches)	Nominal O.D. (inches)	Nominal Wall (inches)	Pin Upset O.D. (inches)	Max Box OD* (inches)	Nominal Weight (lbs/ft)	Nominal Weight (lbs/jt)	Connection Type API 5B, Table 14*, 7**, 6*** Fourteenth Edition August 96
2-3/8	2.00	1.91	2.43	0.22	2.69	3.45	1.3	40	2-3/8" 8Rd EUE Long*IJ
2-7/8	2.47	2.37	2.99	0.26	3.19	3.95	2.0	59	2-7/8" 8Rd EUE Long*IJ
3-1/2	3.00	2.90	3.63	0.32	3.85	4.92	2.9	87	3-1/2" 8Rd EUE Long*IJ
4	3.33	3.24	4.03	0.35	4.35	5.43	3.7	111	4" 8Rd EUE Long* TC
4-1/2	3.98	3.89	4.83	0.42	4.85	6.10	5.0	151	4-1/2" 8Rd EUE Long*IJ
5-1/2	4.42	4.33	5.36	0.47	5.60	6.82	6.3	189	5-1/2" 8Rd Csg Long**IJ
6-5/8	5.43	5.33	6.59	0.58	6.73	8.68	9.6	289	6-5/8" 8Rd Csg Long**IJ
7-5/8	6.21	6.11	7.54	0.67	7.73	10.04	12.6	378	7-5/8" 8Rd Csg Long**IJ
9-5/8	7.84	7.75	9.50	0.83	9.73	13.15	19.9	596	9-5/8" 8Rd Csg*** IJ
10-3/4	8.85	8.76	10.72	0.94	10.85	14.35	26.1	782	10-3/4" 8Rd Csg***TC

*Depending on the application, smaller maximum box diameters are available.

Thread lengths may exceed API L4
30 ft Standard Joint Length

PERFORMANCE AND RATINGS (-60 deg F to +210 deg F)

Nominal Size	Internal Pressure Rating (psi)	Mill Test Pressure (psi)	Collapse Rating (psi)	Axial Tension Rating (lbs)	Stretch vs Tension-Over-Pipe-Wt Stretch (ft) = Coeff. x P x L
2-3/8	2,500	2,850	2,900	17,500	0.217
2-7/8	2,500	2,850	2,900	24,000	0.147
3-1/2	2,500	2,850	2,900	32,000	0.103
4	2,500	2,850	2,900	40,000	0.083
4-1/2	2,500	2,850	2,900	46,500	0.057
5-1/2	2,500	2,850	2,900	55,500	0.047
6-5/8	2,500	2,850	2,900	72,500	0.030
7-5/8	2,500	2,850	2,900	86,500	0.023
9-5/8	2,500	2,850	2,900	140,500	0.015
10-3/4	2,500	2,850	2,900	157,500	0.012

Where: P = Tensile Load (1,000 lbs)
L = String Length (1,000 ft)

MECHANICAL AND PHYSICAL PROPERTIES

TUBING/CASING BODY PROPERTIES	UNIT	VALUE 2-3/8 - 10-3/4	VALUE 11-3/4 - 20	TEST METHOD
Tensile Strength, Hoop	psi	31,300	31,300	ASTM D1599
Tensile Strength, Axial	psi	30,000	12,000	ASTM D2105
Modulus of Elasticity, Axial	10E+06 psi	3.0	2.0	ASTM D2105
Specific Gravity	---	1.9	1.9	ASTM D792
Density	lbs/in^3	0.07	0.07	ASTM D792
Thermal Conductivity	$Btu/hr/ft^2/in/degF$	2.4	2.4	ASTM C177
Thermal Expansion Coefficient (Linear)	10E-05in/in/degF	1.1	1.2	ASTM D696
Flow Factor	---	150	150	Hazen Williams

ISO 9001 CERTIFIED FIRM

11811 Proctor Road · Houston, Texas 77038 · Phone: (281) 847-2987 · Fax: (281) 847-1931
Email: houston@future-pipe.com · website: www.futurepipe.com

15HR 0306 Q1

INJECTION WELL CASINGS

TELEPHONE: (416) 255-1113
FAX: (416) 252-6251

CANADIAN PHOENIX STEEL PRODUCTS

DIVISION OF 1046791 ONTARIO LIMITED
288 HORNER AVENUE
ETOBICOKE, ONTARIO,
CANADA
M8Z 4Y4

LABORATORY REPORT AND MILL TEST CERTIFICATE

DATE June 3/02 CUSTOMER

SPECIFICATION A139B CUSTOMER'S P.O 6921

DIA. & WALL 26" O.D. X .375 WT PHOENIX REF.# 02-38265

HYDROTEST 810 PSI FOR 10 Sec

PHYSICAL PROPERTIES

HEAT NO.	PIPE NO.	LONGITUDINAL TEST YIELD	TENSILE	% ELONGATION	TRANSVERSE WELD TENSILE	BREAK LOCATION
V51702	3	51400	70200	27.0	73800	PM
1300715	7	54000	73100	26.3	76500	PM
1300720	15	55900	72900	26.8	76400	PM
D44399	24	57900	76300	26.0	79500	PM
8170A	27	54500	78400	37.5	81500	PM
V51072	33	53400	70400	28.3	73900	PM

LADLE ANALYSIS **CHEMICAL COMPOSITION**

HEAT NO	C	MN	S	P	SI	CR	NI	CU	MO	AL
V51702	.16	.99	.007	.013	.010					.047
1300715	.21	.83	.002	.013	.020					.025
1300720	.22	.87	.001	.012	.030					.023
D44399	.07	1.20	.004	.014	.080					.035
8170A	.18	.81	.007	.009	.23	.03	.01	.03	.01	.036
V51072	.16	.99	.007	.013	.010					.047

The material listed on this report has been tested in accordance with the specification shown above.

Authorized Approval

15070-010-A
5/9/07

ISPAT SIDEX
Member of THE LNM GROUP
THE LARGEST IRON AND STEEL PRODUCER OF ROMANIA

1, Smardan Street, Galati, 6200, ROMANIA
Phone: +40 236 407 633
Fax: +40 236 407 635
http://www.ispat.com; e-mail: office@sidex.ro

15070-010-A
Date 5/9/07
Signature

TÜV

INSPECTION CERTIFICATE: 578268

ACCORDING TO: EN 10204/3.1.B

CUSTOMER:		ORDER:	900024/60000613
PRODUCT:	LSAW CARBON STEEL LINE PIPE	STANDARD:	API 5L 42edition;API2B for dimensional tolerances;straightness max.0.551 ";NACE MR 0175 for hardness
EXTERNAL ASPECT: SUITABLE		DELIVERY STATE:	Expandated, Bevelled ends at 30° ; V=1,0
DATE 2-Jul-04		LOT:	

MECHANICAL TESTS

Total number of pieces: 83 Total weight: 328660 lbs

No. crt.	No. Pipe	No. Heat	Quality	Diameter [inch]	Length [foot]	Thickness [inch]	Weight [lbs.]	No. Test	Direction	Dim. of specimens[inch]base material	Rm [psi] base material	Re[psi] base material	A[%] base material	Re/Rm [%]	Dim. of specimens[inch]weld	Rm [psi]weld	Hardness HV 10 for base material	Guided-bend test trans.	Impact test notch for base material 32°F	Hydrostatic test 1350psi/10sec	X ray investigation acc.ISO wire 4%
1	158942	913028	X 52- X42-Gr.B PSL1	26	38.65	0.375	3971.85	159082	trans.	1.51x0.41	86124	65136	32	0.756	1.50x0.40	90183	170	suitable		suitable	suitable
2	158943			26	38.48	0.375	3954.21													suitable	suitable
3	158944			26	38.68	0.375	3974.06													suitable	suitable
4	158945			26	38.71	0.375	3978.47													suitable	suitable
5	158946			26	38.68	0.375	3974.06													suitable	suitable
6	158947			26	38.52	0.375	3958.62													suitable	suitable
7	159080			26	38.71	0.375	3978.47													suitable	suitable
8	159081			26	38.71	0.375	3978.47													suitable	suitable
9	159082			26	37.20	0.375	3824.09													suitable	suitable
10	159083			26	38.75	0.375	3980.67													suitable	suitable
11	159340			26	38.65	0.375	3971.85													suitable	suitable
12	159341			26	38.71	0.375	3978.47													suitable	suitable
13	159594			26	38.45	0.375	3952.00													suitable	suitable
14	159595			26	38.71	0.375	3978.47													suitable	suitable
15	159596			26	38.68	0.375	3974.06													suitable	suitable
16	159597			26	38.71	0.375	3978.47													suitable	suitable
17	159598			26	38.65	0.375	3971.85													suitable	suitable
18	159585	913095		26	38.71	0.375	3978.47	159587	trans.	1.49x0.39	85278	73754	34	0.864	1.49x0.39	86046	176	suitable		suitable	suitable
19	159586			26	38.42	0.375	3947.59													suitable	suitable
20	159587			26	37.14	0.375	3815.27													suitable	suitable
21	159588			26	38.68	0.375	3974.06													suitable	suitable
22	159589			26	38.65	0.375	3971.85													suitable	suitable
23	159590			26	38.65	0.375	3971.85													suitable	suitable
24	159591			26	38.65	0.375	3971.85													suitable	suitable
25	159592			26	38.68	0.375	3974.06													suitable	suitable
26	159593			26	38.71	0.375	3978.47													suitable	suitable
27	159065	924884		26	38.71	0.375	3978.47	159069	trans.	1.53x0.42	78738	62016	32	0.788	1.52x0.41	82829	179	suitable		suitable	suitable
28	159066			26	38.42	0.375	3947.59													suitable	suitable
29	159067			26	38.68	0.375	3974.06													suitable	suitable
30	159068			26	38.71	0.375	3978.47													suitable	suitable
31	159065			26	37.11	0.375	3813.06													suitable	suitable
32	159070			26	38.68	0.375	3974.06													suitable	suitable
33	159071			26	38.71	0.375	3978.47													suitable	suitable
34	159072			26	38.68	0.375	3974.06													suitable	suitable
35	159073			26	38.65	0.375	3971.85													suitable	suitable
36	159074			26	38.68	0.375	3974.06													suitable	suitable
37	159075			26	38.58	0.375	3965.23													suitable	suitable
38	159076			26	38.19	0.375	3923.33													suitable	suitable
39	159077			26	38.42	0.375	3947.59													suitable	suitable
40	159078			26	38.68	0.375	3974.06													suitable	suitable
41	159079			26	38.65	0.375	3971.85													suitable	suitable
42	158878	537978		26	38.45	0.375	3952.00	158896	trans.	1.48x0.40	89277	66386	32	0.744	1.50x0.40	89589	184	suitable		suitable	suitable
43	158879			26	38.62	0.375	3967.44													suitable	suitable
44	158880			26	38.39	0.375	3945.39													suitable	suitable

CUSTOMER:

PRODUCT: LSAW CARBON STEEL LINE PIPE

EXTERNAL ASPECT: SUITABLE

DATE 2-Jul-04

ORDER: 900024/60000613

STANDARD: API 5L 42edition;API2B for dimensional tolerances;straighness max.0.651 ";NACE MR 0175 for hardness

DELIVERY STATE: Expandated, Bevelled ends at 30° ; V=1,0

LOT:

MECHANICAL TESTS

Total number of pieces:: 83 Total weight: 328660 lbs

No. crt.	No. Pipe	No. Heat	Quality	Diameter [inch]	Length [feet]	Thickness [inch]	Weight [lbs.]	No. Test	Direction	Dim. of specimens[inch]base material	Rm [psi] base material	Re[psi] base material	A[%] base material	Re/Rm [%]	Dim. of specimens[inch]weld	Rm [psi]weld	Hardness HV 10 for base material	Guided-bend test trans.	Impact test notch for base material 32°F	Hydrostatic test 1350psi/10sec	X ray investigation acc.ISO wire 4%
45	158881	937978		26	38.65	0.375	3971.85													suitable	suitable
46	158882			26	38.65	0.375	3971.85													suitable	suitable
47	158883			26	38.48	0.375	3954.21													suitable	suitable
48	158884			26	38.65	0.375	3971.85													suitable	suitable
49	158885			26	38.42	0.375	3947.59													suitable	suitable
50	158886			26	38.62	0.375	3967.44													suitable	suitable
51	158887			26	38.65	0.375	3971.85													suitable	suitable
52	158889			26	38.65	0.375	3971.85													suitable	suitable
53	158889			26	38.68	0.375	3974.06													suitable	suitable
54	158890			26	38.65	0.375	3971.85													suitable	suitable
55	158891			26	38.65	0.375	3971.85													suitable	suitable
56	158892			26	38.68	0.375	3974.06													suitable	suitable
57	158893			26	38.68	0.375	3974.06													suitable	suitable
58	158894			26	38.65	0.375	3971.85													suitable	suitable
59	158895			26	38.68	0.375	3974.06													suitable	suitable
60	158896			26	37.07	0.375	3808.65													suitable	suitable
61	158897			26	38.65	0.375	3971.85													suitable	suitable
62	158898			26	38.65	0.375	3971.85													suitable	suitable
63	158899			26	38.68	0.375	3974.06													suitable	suitable
64	158900			26	38.68	0.375	3974.06													suitable	suitable
65	158901			26	38.62	0.375	3967.44													suitable	suitable
66	158949			26	38.65	0.375	3971.85													suitable	suitable
67	158950			26	38.65	0.375	3971.85													suitable	suitable
68	158951			26	38.65	0.375	3971.85													suitable	suitable
69	158952			26	38.65	0.375	3971.85													suitable	suitable
70	158953			26	38.68	0.375	3974.06													suitable	suitable
71	158954			26	38.52	0.375	3958.62													suitable	suitable
72	158955			26	38.71	0.375	3978.47													suitable	suitable
73	158956			26	38.71	0.375	3978.47													suitable	suitable
74	158957			26	38.71	0.375	3978.47													suitable	suitable
75	158958			26	38.68	0.375	3974.06													suitable	suitable
76	158959			26	38.68	0.375	3974.06													suitable	suitable
77	158960			26	38.62	0.375	3967.44													suitable	suitable
78	159415	938195		26	38.68	0.375	3974.06	155419	trans.	1.54x0.37	78180	66394	32	0.849	1.55x0.36	80914	170	suitable		suitable	suitable
79	159416			26	38.62	0.375	3967.44													suitable	suitable
80	159417			26	38.29	0.375	3934.36													suitable	suitable
81	159418			26	38.65	0.375	3971.85													suitable	suitable
82	159419			26	37.14	0.375	3815.27													suitable	suitable
83	159420			26	38.39	0.375	3945.39													suitable	suitable

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1, Smardan Street, Galati, 6200, ROMANIA
Phone: +40 236 407 633
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http://www.ispat.com; e-mail: office@sidex.ro

INSPECTION CERTIFICATE: 578268

ACCORDING TO: EN 10204/3.1.B

CUSTOMER:

PRODUCT: LSAW CARBON STEEL LINE PIPE

EXTERNAL ASPECT: SUITABLE
DATE: 02-Jul-04

ORDER: 900024/50000613
STANDARD: API 5L 42edition;API2B for dimensional tolerances;straightness max.0.551 ";NACE MR 0175 for hardness
DELIVERY STATE: Expandated, Bevelled ends at 30° ; V=1,0
LOT:

CHEMICAL ANALYSIS, %

	No. Heat	C	MN	SI	P	S	AL	CU	CR	NI	V	MO	TI	NB	B	AS	N2 bellow	H2	ZR
1	913028	0.13	1.20	0.31	0.021	0.010	0.035	0.020	0.020	0.010	0.05		0.017	0.043					
2	913095	0.14	1.12	0.34	0.025	0.008	0.035	0.010	0.020	0.010	0.04		0.02	0.042					
3	924884	0.12	1.10	0.27	0.018	0.010	0.047	0.040	0.020	0.010	0.04			0.042					
4	937978	0.15	1.20	0.23	0.030	0.010	0.060	0.030	0.030	0.030	0.04			0.04					
5	938195	0.14	1.04	0.22	0.020	0.010	0.050	0.020	0.020	0.010	0.04		0.017	0.038					

INSPECTOR NAME
PRODAN GABRIELA

CONTROLUL CALITATII
ISPAT SIDEX S.A.
8
GALATI - ROMANIA

5/9/07 15070-010-A
Shawn Skinner

S.C. ISPAT SIDEX S.A. GALATI - ROMANIA

INSPECTION CERTIFICATE No.576719
ACC.TO EN 10204/3.1.B.

ORDER : 40816
CUSTOMER :
PRODUCT : LONGITUDINALLY SUBMERGED WELDED PIPES
SPECIFICATION : API 5L 42 EDITION GRADE X52 / X42 PSL1, API 2B FOR DIMENSIONAL TOLERANCES.
DELIVERYSTATE : EXPANDATED, CLEAR LAQUERED OUTSIDE
BEVELLED ENDS AT 30° (+5° / -0°)
WELD FACTOR : V = 1.0
STRAIGHTNESS : max. 0.55 inch.

PIPE No.	HEAT	DIMENSION inchxinchxft	WEIGHT lbs.	*1	*2	*3	TENSILE TEST YS PSI	TS	EL %	YS/TS	DIM. OF SPECIMENS inch.	HARDNES HV10	GUIDED-I TES
148662	927754	0.375X26X38.68	3975.46	L	B W	T T	62366	79191 79046	36	0.787	1.49x0.38 1.49x0.39	188	SUITABL
148666	"	0.375X26X38.65	3972.38										
148668	"	0.375X26X38.68	3975.46										
148676	"	0.375X26X38.68	3975.46										
148680	"	0.375X26X38.65	3972.38										
148687	"	0.375X26X38.68	3975.46										
148690	"	0.375X26X38.68	3975.46										
148697	"	0.375X26X38.65	3972.38										
148700	"	0.375X26X38.65	3972.38										
148701	"	0.375X26X38.68	3975.46										
148706	"	0.375X26X38.58	3965.18										
148849	"	0.375X26X38.71	3978.54										

TO BE CONTINUED

HEAT	* 5	CHEMICAL ANALYSIS												
		x 100			x 1000					x 100				
		C	Mn	Si	P	S	Al	Nb	Ti	Cr	Ni	Cu	MO	V
927754	H	14	138	26	21	9.0	45	-	-	-	-	-	-	3.0

END OF CERTIFICATE

DEFINITIONS:
* 1 TYPE OF TEST
  L = LOT
  H = HEAT
* 2 LOCATION
  B = BASE MATERIAL
  W = WELD
* 3 DIRECTION
  L = LONGITUDINAL
  T = TRANSVERSE
* 4 IMPACT TEST
  E = ENERGY

* 5 CHEMICAL ANALYSIS
  H = HEAT
  P = PRODUCT

OBSERVATIONS:
1. SURFACE & DIMENSION TEST : ACCEPTED
2. HYDROSTATIC TEST : ACCEPTED 1350 PSI / 10"
3. X RAY INVESTIGATION 100 % : ACCEPTED ACC. TO ISO WIRE 4% PENETRAMETER

This doc
material
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Specific

INSPECTOR
TEODORA BUNEA

ISPAT SIDEX
Member of THE LNM GROUP
THE LARGEST IRON AND STEEL PRODUCER OF ROMANIA

1, Smardan Street, Galati, 6200, ROMANIA
Phone: +40 236 407 633
Fax: +40 236 407 635
http://www.ispat.com; e-mail: office@sidex.ro

INSPECTION CERTIFICATE: 578268

ACCORDING TO: EN 10204/3.1.B

CUSTOMER: ORDER:

PRODUCT: LSAW CARBON STEEL LINE PIPE STANDARD:

EXTERNAL ASPECT: SUITABLE DELIVERY STATE:

DATE 2-Jul-04 LOT:

MECHANICAL TESTS

Total number of places: 83 Total weight: 328660 lbs

No. crt.	No. Pipe	No. Heat	Quality	Diameter [inch]	Length [foot]	Thickness [inch]	Weight [lbs.]	No. Test	Direction	Dim. of specimens[inch]base material	Rm [psi] base material	Re[psi] base material	A[%] base material	Re/Rm [%]	Dim. of specimens[inch]weld	Rm [psi]weld	Hardness HV 10 for base material	Guided-bend test trans.	Impact test notch for base material 32°F	Hydro te 1350psi
1	158942	913025	X 52- X42-Gr.B PSL1	26	38.65	0.375	3971.85	159062	trans.	1.51x0.41	86124	65138	32	0.756	1.50x0.40	90183	170	suitable		suita
2	158943			26	38.48	0.375	3954.21													suita
3	158944			26	38.68	0.375	3974.06													suital
4	158945			26	38.71	0.375	3978.47													suital
5	158946			26	38.68	0.375	3974.06													suital
6	158947			26	38.52	0.375	3958.62													suitab
7	159080			26	38.71	0.375	3978.47													suitab
8	159081			26	38.71	0.375	3978.47													suitab
9	159082			26	37.20	0.375	3824.06													suitabl
10	159083			26	38.75	0.375	3980.87													suitabl
11	158340			26	38.65	0.375	3971.85													suitabl
12	158341			26	38.71	0.375	3978.47													suitabl
13	158594			26	38.45	0.375	3952.00													suitabl
14	158595			26	38.71	0.375	3978.47													suitabl
15	158596			26	38.68	0.375	3974.06													suitable
16	158597			26	38.71	0.375	3978.47													suitable
17	158598			26	38.65	0.375	3971.85													suitable
18	158585	913095		26	38.71	0.375	3978.47	159567	trans.	1.49x0.39	85278	73754	34	0.864	1.49x0.39	88046	176	suitable		suitable
19	158586			26	38.42	0.375	3947.59													suitable
20	158587			26	37.14	0.375	3815.27													suitable
21	158588			26	38.68	0.375	3974.06													suitable
22	158589			26	38.65	0.375	3971.85													suitable
23	158590			26	38.65	0.375	3971.85													suitable
24	158591			26	38.65	0.375	3971.85													suitable
25	158592			26	38.68	0.375	3974.06													suitable
26	158593			26	38.71	0.375	3978.47													suitable
27	159065	924884		26	38.71	0.375	3978.47	159069	trans.	1.53x0.42	78739	62016	32	0.788	1.52x0.41	82829	179	suitable		suitable
28	159066			26	38.42	0.375	3947.59													suitable
29	159067			26	38.58	0.375	3974.06													suitable
30	159068			26	38.71	0.375	3978.47													suitable
31	159069			26	37.11	0.375	3813.06													suitable
32	159070			26	38.68	0.375	3974.06													suitable
33	159071			26	38.71	0.375	3978.47													suitable
34	159072			26	38.68	0.375	3974.06													suitable
35	159073			26	38.65	0.375	3971.85													suitable
36	159074			26	38.68	0.375	3974.06													suitable
37	159075			26	38.58	0.375	3965.23													suitable
38	159076			26	38.19	0.375	3923.33													suitable
39	159077			26	38.42	0.375	3947.59													suitable
40	159078			26	38.68	0.375	3974.06													suitable
41	159079			26	38.65	0.375	3971.85													suitable
42	158878	937978		26	38.45	0.375	3952.00	158896	trans.	1.48x0.40	86277	66386	32	0.744	1.50x0.40	89589	184	suitable		suitable
43	158879			26	38.62	0.375	3967.44													suitable
44	158880			26	38.39	0.375	3945.39													suitable

CUSTOMER: ORDER:

PRODUCT: LSAW CARBON STEEL LINE PIPE STANDARD:

EXTERNAL ASPECT: SUITABLE DELIVERY STATE:

DATE 2-Jul-04 LOT:

MECHANICAL TESTS

Total number of pieces: 83 Total weight: 328860 lbs

No. crt.	No. Pipe	No. Heat	Quality	Diameter [inch]	Length [foot]	Thickness [inch]	Weight [lbs.]	No. Test	Direction	Dim. of specimens[inch]base material	Rm [psi] base material	Re[psi] base material	A[%] base material	Re/Rm [%]	Dim. of specimens[inch]weld	Rm [psi]weld	Hardness HV 10 for base material	Guided-bend test trans.	Impact test notch for base material 32°F	Hydr te 1350ps
45	158881	937978		26	38.65	0.375	3971.85													suit
46	158882			26	38.65	0.375	3971.85													suit
47	158883			26	38.48	0.375	3954.21													suit
48	158884			26	38.65	0.375	3971.85													suit
49	158885			26	38.42	0.375	3947.59													suit
50	158886			26	38.62	0.375	3967.44													suit
51	158887			26	38.65	0.375	3971.85													suit
52	158888			26	38.65	0.375	3971.85													suit
53	158889			26	38.68	0.375	3974.06													suit
54	158890			26	38.65	0.375	3971.85													suit
55	158891			26	38.65	0.375	3971.85													suit
56	158892			26	38.68	0.375	3974.06													suit
57	158893			26	38.68	0.375	3974.06													suit
58	158894			26	38.65	0.375	3971.85													suit
59	158895			26	38.68	0.375	3974.06													suit
60	158896			26	37.07	0.375	3808.65													suit
61	158897			26	38.65	0.375	3971.85													suit
62	158898			26	38.65	0.375	3971.85													suit
63	158899			26	38.68	0.375	3974.06													suit
64	158900			26	38.68	0.375	3974.06													suit
65	158901			26	38.62	0.375	3967.44													suit
66	158949			26	38.65	0.375	3971.85													suit
67	158950			26	38.65	0.375	3971.85													suit
68	158951			26	38.65	0.375	3971.85													suit
69	158952			26	38.65	0.375	3971.85													suit
70	158953			26	38.68	0.375	3974.06													suit
71	158954			26	38.52	0.375	3958.62													suit
72	158955			26	38.71	0.375	3978.47													suit
73	158956			26	38.71	0.375	3978.47													suit
74	158957			26	38.71	0.375	3978.47													suit
75	158958			26	38.68	0.375	3974.06													suit
76	158959			26	38.68	0.375	3974.06													suit
77	158960			26	38.62	0.375	3967.44													suit
78	159415	938195		26	38.68	0.375	3974.06	159419	trans.	1.54x0.37	78180	66394	32	0.849	1.55x0.36	E0914	170	suitable		suit
79	159416			26	38.62	0.375	3967.44													suit
80	159417			26	38.29	0.375	3934.38													suit
81	159418			26	38.65	0.375	3971.85													suit
82	159419			26	37.14	0.375	3815.27													suit
83	159420			26	38.39	0.375	3945.39													suit

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http://www.ispat.com; e-mail: office@sidex.ro

INSPECTION CERTIFICATE: 578268

ACCORDING TO: EN 10204/3.1.B

CUSTOMER:

ORDER: 900024/5000

PRODUCT: LSAW CARBON STEEL LINE PIPE

STANDARD: API 5L 42edi tolerances;s hardness

EXTERNAL ASPECT: SUITABLE

DELIVERY STATE: Exp

DATE: 02-Jul-04

LOT:

CHEMICAL ANALYSIS, %

	No. Heat	C	MN	SI	P	S	AL	CU	CR	NI	V	MO	TI	NB	B	AS	N2 bello
1	913028	0.13	1.20	0.31	0.021	0.010	0.035	0.020	0.020	0.010	0.05		0.017	0.043			
2	913095	0.14	1.12	0.34	0.025	0.008	0.035	0.010	0.020	0.010	0.04		0.02	0.042			
3	924884	0.12	1.10	0.27	0.018	0.010	0.047	0.040	0.020	0.010	0.04			0.042			
4	937978	0.15	1.20	0.23	0.030	0.010	0.060	0.030	0.030	0.030	0.04			0.04			
✓ 5	938195	0.14	1.04	0.22	0.020	0.010	0.050	0.020	0.020	0.010	0.04		0.017	0.038			

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YIEH CORPORATION LIMITED

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COMMODITY: CARBON STEEL PIPE PER SALES CONTRACT
NO. SEUSFP6C02TD3 DATED DECEMBER 11, 2006.

CUSTOMER: OZONE INDUSTRIES CORPORATION
15465 PINE RIDGE ROAD
FORT MYERS, FL 33908

The CARBON STEEL PIPES are tested according to ASTM A139 GR.B
This is to certify that in accordance with the relevant specifications and contracts.
The CARBON STEEL PIPES manufactured were tested and qualified by our Quality Cont

Pipes No.	Heat Numbers	Steel	Size			Quantity			Dime
			O.D.	W.T.	Length				
		Grade	in	in	ft	Pcs	ft	MT	Insp
1	014702	B	16	0.500	40	8	320	12.026	C
2	014706	B	16	0.500	40	5	200	7.516	C
3	019205	B	16	0.500	40	4	160	6.013	C
4	019402	B	16	0.500	40	5	200	7.516	C
5	019601	B	16	0.500	40	4	160	6.013	C
6	019403	B	16	0.500	40	5	200	7.516	C
7	014506	B	16	0.500	40	4	160	6.013	O
8	019203	B	16	0.500	40	4	160	6.013	O
9	019401	B	16	0.500	40	4	160	6.013	O
10	019801	B	16	0.500	40	5	200	7.516	O
11	210906	B	16	0.500	40	4	160	6.013	O
12	019802	B	16	0.500	40	5	200	7.516	O
13	019404	B	16	0.500	40	4	160	6.013	O
14	014704	B	16	0.500	40	4	160	6.013	O
15	019007	B	16	0.500	40	4	160	6.013	O
16	019004	B	16	0.500	40	6	240	9.022	O
17	010503	B	20	0.375	40	4	160	5.710	O

FUTURE PIPE INDUSTRIES
Complete Pipe System Solutions

ISO70-009-B
6/18/07

RED BOX 2500

FIBERGLASS TUBING, CASING, AND LINERS
AROMATIC AMINE CURED EPOXY RESIN

DIMENSIONAL SPECIFICATIONS

February 2005

Nominal Size (inches)	Nominal I.D. (inches)	Minimum Drift Dia (inches)	Nominal O.D. (inches)	Nominal Wall (inches)	Pin Upset O.D. (inches)	Max Box OD* (inches)	Nominal Weight (lbs/ft)	Nominal Weight (lbs.jt)	Connection Type API 5B, Table 14*, 7**, 6*** Fourteenth Edition August 96
2-3/8	2.00	1.91	2.43	0.22	2.69	3.45	1.3	40	2-3/8" 8Rd EUE Long*IJ
2-7/8	2.47	2.37	2.99	0.26	3.19	3.95	2.0	59	2-7/8" 8Rd EUE Long*IJ
3-1/2	3.00	2.90	3.63	0.32	3.85	4.92	2.9	87	3-1/2" 8Rd EUE Long*IJ
4	3.33	3.24	4.03	0.35	4.35	5.43	3.7	111	4" 8Rd EUE Long* TC
4-1/2	3.98	3.89	4.83	0.42	4.85	6.10	5.0	151	4-1/2" 8Rd EUE Long*IJ
5-1/2	4.42	4.33	5.36	0.47	5.60	6.82	6.3	189	5-1/2" 8Rd Csg Long**IJ
6-5/8	5.43	5.33	6.59	0.58	6.73	8.68	9.6	289	6-5/8" 8Rd Csg Long**IJ
7-5/8	6.21	6.11	7.54	0.67	7.73	10.04	12.6	378	7-5/8" 8Rd Csg Long**IJ
9-5/8	7.84	7.75	9.50	0.83	9.73	13.15	19.9	596	9-5/8" 8Rd Csg*** IJ
10-3/4	8.85	8.76	10.72	0.94	10.85	14.35	26.1	782	10-3/4" 8Rd Csg***TC

*Depending on the application, smaller maximum box diameters are available.

Thread lengths may exceed API L4
30 ft Standard Joint Length

PERFORMANCE AND RATINGS (-60 deg F to +210 deg F)

Nominal Size	Internal Pressure Rating (psi)	Mill Test Pressure (psi)	Collapse Rating (psi)	Axial Tension Rating (lbs)	Stretch vs Tension-Over-Pipe-Wt Stretch (ft) = Coeff. x P x L
2-3/8	2,500	2,850	2,900	17,500	0.217
2-7/8	2,500	2,850	2,900	24,000	0.147
3-1/2	2,500	2,850	2,900	32,000	0.103
4	2,500	2,850	2,900	40,000	0.083
4-1/2	2,500	2,850	2,900	46,500	0.057
5-1/2	2,500	2,850	2,900	55,500	0.047
6-5/8	2,500	2,850	2,900	72,500	0.030
7-5/8	2,500	2,850	2,900	86,500	0.023
9-5/8	2,500	2,850	2,900	140,500	0.015
10-3/4	2,500	2,850	2,900	157,500	0.012

Where: P = Tensile Load (1,000 lbs)
L = String Length (1,000 ft)

MECHANICAL AND PHYSICAL PROPERTIES

TUBING/CASING BODY PROPERTIES	UNIT	VALUE 2-3/8 - 10-3/4	VALUE 11-3/4 - 20	TEST METHOD
Tensile Strength, Hoop	psi	31,300	31,300	ASTM D1599
Tensile Strength, Axial	psi	30,000	12,000	ASTM D2105
Modulus of Elasticity, Axial	10E+06 psi	3.0	2.0	ASTM D2105
Specific Gravity	---	1.9	1.9	ASTM D792
Density	lbs/in^3	0.07	0.07	ASTM D792
Thermal Conductivity	$Btu/hr/ft^2/in/degF$	2.4	2.4	ASTM C177
Thermal Expansion Coefficient (Linear)	10E-05in/in/degF	1.1	1.2	ASTM D696
Flow Factor	---	150	150	Hazen Williams

ISO 9001 CERTIFIED FIRM

11811 Proctor Road · Houston, Texas 77038 · Phone: (281) 847-2987 · Fax: (281) 847-1931
Email: houston@future-pipe.com · website: www.futurepipe.com

15HR 0006 Q1

无锡德新钢管有限公司
WUXI DEXIN STEEL TUBE CO., LTD.

产品质量证明书
MILL CERTIFICATE

Oct. 15, 2007 15070-003-A
Jin Lei

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订货单位 CUSTOMER	OZONE INDUSTRIES CORPORATION/YOUNGQUIST BROTHERS	产品名称 PRODUCT	无缝钢管 CARBON STEEL PIPE	交货状态 DELIVERY CONDITION	正火 NORMALIZE
收货单位 PURCHASER	OZONE INDUSTRIES CORPORATION/YOUNGQUIST BROTHERS	合同号码 CONTRACT NO.	WXDX-20070110	质保书号 CERTIFICATION NO.	WXDX07695
标准 SPECIFICATION	API5L	钢级 STEEL GRADE	GR.B PSL1	总支数(支) TOTAL PIECES	72

序号 NO.	熔炼号 HEAT NUMBERS	批号 LOT NO.	规格 SIZE		数量 QUANTITY			化学成份 % CHEMICAL COMPOSITION (*100)										机械性能 PHYSICAL PROPERTIES (L)		
			直径 O.D. mm	壁厚 W.T. mm	支数 PIECES	米数 LENGTH M	重量 WEIGHT T	碳 C	硅 Si	锰 Mn	硫 S	磷 P	铜 Cu	镍 Ni	铬 Cr	钼 Mo	钒 V	铝 Al	抗拉强度 T.S. MPa	伸长率 E.L. δ %	屈服强度 Y.S. MPa
1	070635	5395	609.6	12.7	36	291.77	54.560	21	17	55	0.9	1.0	5	2	5				425/435	31.0/31.5	340/330
2	070635	5396	609.6	12.7	36	290.99	54.628	21	17	55	0.9	1.0	5	2	5				425/435	31.0/31.5	340/330
3																					
4																					

超声波探伤 U.T	涡流探伤 E.T	硬度（HB） HARDNESS	热处理工艺 HEAT TREATMENT	外观和尺寸 VISUAL&DIMENSIONS	显微组织 MICROSTRUCTURE	晶粒度 GRAINSIZE	压扁 FLATTENING	水压实验 HYDROSTATIC TEST	冷弯 BENDING	冲击试验 IMPACT TEST AKV(J) ≥(34)		
合格 GOOD	/	/	/	合格 GOOD	/	/	合格 GOOD	合格 GOOD	合格 GOOD	/	/	/

注释 NOTES

会验者 SUVEROR

兹证明本表所列产品，均依标准规定制造、取样、试验和检验，并符合标准及合同要求。
WE HERE CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF ABOVE SPECIFICATIONS AND PURCHASE ORDER, AND THE REQUIREMENTS.

检验员 INSPECTOR 赵民英

许可证号 LICENSE 5L-0573

货单位 STOMER	OZONE INDUSTRIES CORPORATION/YOUNGQUIST BROTHERS	产品名称 PRODUCT	无缝钢管 CARBON STEEL PIPE	交货状态 DELIVERY CONDITION	正火 NORMALIZE
货单位 CHASER	OZONE INDUSTRIES CORPORATION/YOUNGQUIST BROTHERS	合同号码 CONTRACT NO.	WXDX-20070110	质保书号 CERTIFICATION NO.	WXDX07662
标准 IFICATION	API5L-2000	钢级 STEEL GRADE	GR.B PSL1	总支数(支) TOTAL PIECES	68

熔炼号 HEAT NO.	批号 LOT NO.	规格 SIZE		数量 QUANTITY			化学成份 % CHEMICAL COMPOSITION (*100)											机械性能 PHYSICAL PROPERTIES		
		直径 O.D. IN	壁厚 W.T. IN	支数 PIECES	长度 LENGTH M	重量 WEIGHT T	碳 C	硅 Si	锰 Mn	硫 S	磷 P	铜 Cu	镍 Ni	铬 Cr	钼 Mo	钒 V	铝 Al	抗拉强度 T.S. MPa	伸长率 E.L. δ%	屈服强度 Y.S. MPa
070561	5103	18	0.5	8	62.23	8.618	21	17	54	0.9	0.9	3	2	5				430/435	32.0/32.5	330/3
070606	5221	24	0.5	60	486.49	92.108	22	16	55	1.0	1.1	5	2	3				425/420	31.0/31.5	340/3

波探伤 U.T	涡流探伤 E.T	硬度 (HB) HARDNESS	热处理工艺 HEAT TREATMENT	外观和尺寸 VISUAL&DIMENSIONS	显微组织 MICROSTRUCTURE	晶粒度 GRAINSIZE	压扁 FLATTENING	水压实验 HYDROSTATIC TEST	冷弯 BENDING	冲击试验 IMPA TES AKV ≥(34
合格 OOD	/	/	/	合格 GOOD	/	/	合格 GOOD	合格 GOOD	合格 GOOD	/ /

注 ES

兹证明本表所列产品，均依标准规定制造、取样、试验和检验，并符合标准及合同要求。
WE HERE CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF ABOVE SPECIFICATIONS AND PURCHASE ORDER, AND THE REQUIREMENTS.

检验员 INSPECTOR 赵武英

许可证 LICENSE 5L-0573

无锡德新钢管有限公司
WUXI DEXIN STEEL TUBE CO., LTD.

产 品 质 量 证 明 书
MILL CERTIFICATE

4

订货单位 CUSTOMER	OZONE INDUSTRIES CORPORATION/YOUNGQUIST BROTHERS	产品名称 PRODUCT	无缝钢管 CARBON STEEL PIPE	交货状态 DELIVERY CONDITION	正火 NORMALIZE
收货单位 PURCHASER	OZONE INDUSTRIES CORPORATION/YOUNGQUIST BROTHERS	合同号码 CONTRACT NO.	WXDX-20070110	质保书号 CERTIFICATION NO.	WXDX07693
标准 SPECIFICATION	API5L	钢级 STEEL GRADE	OR.B PSL1	总支数(支) TOTAL PIECES	144

序号 NO.	熔炼号 HEAT NUMBERS	批号 LOT NO.	规格 SIZE 直径 O.D. mm	规格 SIZE 壁厚 W.T. mm	数量 QUANTITY 支数 PIECES	数量 QUANTITY 米数 LENGTH M	数量 QUANTITY 重量 WEIGHT T	化学成份 % CHEMICAL COMPOSITION (*100) 碳 C	硅 Si	锰 Mn	硫 S	磷 P	铜 Cu	镍 Ni	铬 Cr	钼 Mo	钒 V	铝 Al	机械性能 PHYSICAL PROPERTIES (L) 抗拉强度 T.S. MPa	伸长率 E.L. δ %	屈服强度 Y.S. MPa
1	070613	5286	609.6	12.7	52	414.85	78.364	21	18	54	1.0	1.0	5	2	5				425/430	31.0/30.5	340/330
2	070613	5287	609.6	12.7	54	435.69	81.012	21	18	54	1.0	1.0	5	2	5				425/430	31.0/30.5	340/330
3	070613	5288	609.6	12.7	38	308.28	57.806	21	18	54	1.0	1.0	5	2	5				425/430	31.0/30.5	340/330
4																					

超声波探伤 U.T	涡流探伤 E.T	硬度（HB） HARDNESS	热处理工艺 HEAT TREATMENT	外观和尺寸 VISUAL&DIMENSIONS	显微组织 MICROSTRUCTURE	晶粒度 GRAINSIZE	压扁 FLATTENING	水压实验 HYDROSTATIC TEST	冷弯 BENDING	冲击试验 IMPACT TEST AKV(J) ≥(34)		
合格 GOOD	/	/	/	合格 GOOD	/	/	合格 GOOD	合格 GOOD	合格 GOOD	/	/	/

注释 NOTES

会验者 SUVEROR

兹证明本表所列产品，均依标准规定制造、取样、试验和检验，并符合标准及合同要求。
WE HERE CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN MANUFACTURED, SAMPLED, TESTED, AND INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF ABOVE SPECIFICATIONS AND PURCHASE ORDER, AND THE REQUIREMENTS.

检验员 INSPECTOR

许可证号 LICENSE SL-0573

(8)

订货单位 CUSTOMER	OZONE INDUSTRIES CORPORATION/YOUNGQUIST BROTHERS	产品名称 PRODUCT	无缝钢管 CARBON STEEL PIPE	交货状态 DELIVERY CONDITION	正火 NORMALIZE
收货单位 PURCHASER	OZONE INDUSTRIES CORPORATION/YOUNGQUIST BROTHERS	合同号码 CONTRACT NO.	WXDX-20070110	质保书号 CERTIFICATION NO.	WXDX07726
标准 SPECIFICATION	API5L	钢级 STEEL GRADE	GR.B PSL1	总支数(支) TOTAL PIECES	65

序号 NO.	熔炼号 HEAT NO.	批号 LOT NO.	规格 SIZE		数量 QUANTITY			化学成份 % CHEMICAL COMPOSITION (*100)											机械性能 PHYSICAL PROPERTIES (L)		
			直径 O.D. mm	壁厚 W.T. mm	支数 PIECE S	米数 LENGTH M	重量 WEIGHT T	碳 C	硅 Si	锰 Mn	硫 S	磷 P	铜 Cu	镍 Ni	铬 Cr	钼 Mo	钒 V	铝 Al	抗拉强度 T.S. MPa	伸长率 E.L. δ%	屈服强度 Y.S. MPa
1	070709	6589	609.6	12.7	65	627.85	113.835	22	27	56	0.4	1.9	1.2	1	2.5				480/475	33.0/32.5	260/275
2																					
3																					
4																					

超声波探伤 U.T	涡流探伤 E.T	硬度（HB） HARDNESS	热处理工艺 HEAT TREATMENT	外观和尺寸 VISUAL&DIMENSIONS	显微组织 MICROSTRUCTURE	晶粒度 GRAINSIZE	压扁 FLATTENING	水压实验 HYDROSTATIC TEST	冷弯 BENDING	冲击试验 IMPACT TEST AKV(J) ≥(34)		
合格 GOOD	/	/	/	合格 GOOD	/	/	合格 GOOD	合格 GOOD	合格 GOOD	/	/	/

注释 NOTES	

会验者 UVEROR	兹证明本表所列产品，均依标准规定制造、取样、试验和检验，并符合标准及合同要求。 WE HERE CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF ABOVE SPECIFICATIONS AND PURCHASE ORDER, AND THE REQUIREMENTS.	检验员 INSPECTOR	
		许可证号 LICENSE	5L-0573

无锡德新钢管有限公司
WUXI DEXIN STEEL TUBE CO., LTD.

产 品 质 量 证 明 书
MILL CERTIFICATE

订货单位 CUSTOMER	OZONE INDUSTRIES CORPORATION/YOUNGQUIST BROTHERS	产品名称 PRODUCT	无缝钢管 STEEL SEAMLESS PIPES	交货状态 DELIVERY CONDITION	正火 NORMALIZE
收货单位 PURCHASER	OZONE INDUSTRIES CORPORATION/YOUNGQUIST BROTHERS	合同号码 CONTRACT NO.	WXDX-20070110	质保书号 CERTIFICATION NO.	WXDX07727
标准 SPECIFICATION	API5L	钢级 STEEL GRADE	GR.B PSL1	总支数(支) TOTAL PIECES	45

序号 NO.	熔炼号 HEAT NO.	批号 LOT NO.	规格 SIZE		数量 QUANTITY			化学成份 % CHEMICAL COMPOSITION (*100)											机械性能 PHYSICAL PROPERTIES (L)		
			直径 O.D. mm	壁厚 W.T. mm	支数 PIECES	米数 LENGTH M	重量 WEIGHT T	碳 C	硅 Si	锰 Mn	硫 S	磷 P	铜 Cu	镍 Ni	铬 Cr	钼 Mo	钒 V	铝 Al	抗拉强度 T.S. MPa	伸长率 E.L. δ%	屈服强度 Y.S. MPa
1	070712	6458	609.6	12.7	45	376.22	69.939	22	26	58	0.9	1.5	1.6	2	4				480/485	32.0/31.0	260/250
2																					
3																					
4																					

超声波探伤 U.T	涡流探伤 E.T	硬度（HB） HARDNESS	热处理工艺 HEAT TREATMENT	外观和尺寸 VISUAL&DIMENSIONS	显微组织 MICROSTRUCTURE	晶粒度 GRAINSIZE	压扁 FLATTENING	水压实验 HYDROSTATIC TEST	冷弯 BENDING	冲击试验 IMPACT TEST AKV(J) ≥(34)		
合格 GOOD	/	/	/	合格 GOOD	/	/	合格 GOOD	合格 GOOD	合格 GOOD	/	/	/

注释 NOTES

会验者 UVEROR

兹证明本表所列产品，均依标准规定制造、取样、试验和检验，并符合标准及合同要求。
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检验员 INSPECTOR

许可证号 LICENSE

无锡德新钢管有限公司 WUXI DEXIN STEEL TUBE CO., LTD

TIEN CORPORATION LIMITED

MILL CERTIFICATE

15070-002-A
12/12/07
20' Fe

OMMODITY: CARBON STEEL PIPE PER SALES CONTRACT
NO. SEUSFP6C02TD3 DATED DECEMBER 11, 2006.

CERTIFICATE NO:PSCNJN6C01TC5
DATE OF ISSUE:4/29/2007

USTOMER: OZONE INDUSTRIES CORPORATION
15465 PINE RIDGE ROAD
FORT MYERS, FL 33908

Invoice No. SEUSFP6C02TD3
LC NUMBER.: 5279996

he CARBON STEEL PIPES are tested according to ASTM A139 GR.B
his is to certify that in accordance with the relevant specifications and contracts.
he CARBON STEEL PIPES manufactured were tested and qualified by our Quality Control Department.

TOTAL : 746 PCS / 29840FT / 1769.619MT

Pipes No.	Heat Numbers	Steel	Size			Quantity			Dimensional	TESTING RESULTS										Flattening	UT Test
			O.D.	W.T.	Length					CHEMICAL PROPERTIES(%)					PHYSICAL PROPERTIES			Welding properties	Hydrostatic Test Holding time:10s		
		Grade	in	in	ft	Pcs	ft	MT	Inspection	C	Si	Mn	P	S	σs(Mpa)	σb(Mpa)	δ5(%)	σb	P = Psi	Test (B)	Test (B)
67	094704	B	30	0.375	40	3	120	6.465	OK	0.16	0.18	0.39	0.011	0.029	315	435	31	OK	500	OK	OK
68	048503	B	30	0.375	40	3	120	6.465	OK	0.18	0.26	0.45	0.017	0.033	315	425	31.5	OK	500	OK	OK
69	088201	B	30	0.375	40	4	160	8.618	OK	0.15	0.19	0.39	0.009	0.028	275	425	31	OK	500	OK	OK
70	109403	B	34	0.375	40	2	80	4.892	OK	0.17	0.24	0.45	0.016	0.032	310	425	32	OK	500	OK	OK
71	048102	B	34	0.375	40	3	120	7.338	OK	0.15	0.22	0.40	0.009	0.029	310	425	31	OK	500	OK	OK
72	013802	B	34	0.375	40	3	120	7.338	OK	0.16	0.23	0.42	0.013	0.030	290	425	32	OK	500	OK	OK
73	014602	B	34	0.375	40	2	80	4.892	OK	0.17	0.25	0.44	0.012	0.031	325	435	31.5	OK	500	OK	OK
74	056003	B	34	0.375	40	3	120	7.338	OK	0.18	0.25	0.46	0.010	0.030	300	420	31.5	OK	500	OK	OK
75	014405	B	34	0.375	40	3	120	7.338	OK	0.17	0.22	0.43	0.013	0.028	285	435	32.5	OK	500	OK	OK
76	048502	B	34	0.375	40	3	120	7.338	OK	0.16	0.22	0.44	0.013	0.032	310	425	31	OK	500	OK	OK
77	048503	B	34	0.375	40	3	120	7.338	OK	0.15	0.21	0.43	0.008	0.028	300	420	31	OK	500	OK	OK
78	054601	B	34	0.375	40	3	120	7.338	OK	0.17	0.23	0.45	0.011	0.031	305	425	32	OK	500	OK	OK
79	014403	B	34	0.375	40	3	120	7.338	OK	0.17	0.24	0.46	0.014	0.029	315	435	32	OK	500	OK	OK
80	054025	B	34	0.375	40	3	120	7.338	OK	0.18	0.25	0.44	0.015	0.032	325	430	32	OK	500	OK	OK
81	049703	B	34	0.375	40	3	120	7.338	OK	0.15	0.18	0.38	0.012	0.029	300	425	31	OK	500	OK	OK
82	049701	B	34	0.375	40	3	120	7.338	OK	0.16	0.20	0.43	0.011	0.030	315	435	31	OK	500	OK	OK
83	049903	B	34	0.375	40	2	80	4.892	OK	0.15	0.19	0.38	0.009	0.028	315	425	31.5	OK	500	OK	OK
84	058905	B	34	0.375	40	3	120	7.338	OK	0.18	0.25	0.45	0.015	0.032	305	420	32.5	OK	500	OK	OK
85	012203	B	34	0.375	40	3	120	7.338	OK	0.18	0.24	0.46	0.013	0.032	320	435	32.5	OK	500	OK	OK
86	048505	B	34	0.375	40	3	120	7.338	OK	0.17	0.23	0.44	0.012	0.031	320	425	31	OK	500	OK	OK
87	014601	B	34	0.375	40	3	120	7.338	OK	0.15	0.20	0.39	0.010	0.029	300	420	32	OK	500	OK	OK
88	014404	B	34	0.375	40	3	120	7.338	OK	0.16	0.22	0.43	0.011	0.030	325	425	31.5	OK	500	OK	OK

ITEM CORPORATION LIMITED

MILL CERTIFICATE

OMMODITY: CARBON STEEL PIPE PER SALES CONTRACT
NO. SEUSFP6C02TD3 DATED DECEMBER 11, 2006.

USTOMER: OZONE INDUSTRIES CORPORATION
15465 PINE RIDGE ROAD
FORT MYERS, FL 33908

CERTIFICATE NO:PSCNJN6C01TC5
DATE OF ISSUE:4/29/2007

Invoice No. SEUSFP6C02TD3
LC NUMBER.: 5279996

The CARBON STEEL PIPES are tested according to ASTM A139 GR.B
This is to certify that in accordance with the relevant specifications and contracts.
The CARBON STEEL PIPES manufactured were tested and qualified by our Quality Control Department.

TOTAL : 746 PCS / 29840FT / 1769.619MT

Pipes No.	Heat Numbers	Steel	Size			Quantity			Dimensional	TESTING RESULTS										Flattening	UT Test
										CHEMICAL PROPERTIES(%)					PHYSICAL PROPERTIES			Welding properties	Hydrostatic Test Holding time:10s		
		Grade	O.D. in	W.T. in	Length ft	Pcs	ft	MT	Inspection	C	Si	Mn	P	S	σs(Mpa)	σb(Mpa)	δ5(%)	σb	P = Psi	Test (B)	Test (B)
89	055207	B	34	0.375	40	2	80	4.892	OK	0.17	0.24	0.45	0.013	0.031	310	420	31	OK	500	OK	OK
90	048702	B	34	0.375	40	3	120	7.338	OK	0.18	0.26	0.45	0.014	0.032	315	425	31	OK	500	OK	OK
91	054801	B	34	0.375	40	3	120	7.338	OK	0.17	0.25	0.44	0.015	0.032	315	420	30.5	OK	500	OK	OK
92	054604	B	34	0.375	40	3	120	7.338	OK	0.16	0.21	0.42	0.012	0.030	320	425	31	OK	500	OK	OK
93	054603	B	34	0.375	40	3	120	7.338	OK	0.15	0.19	0.40	0.009	0.028	305	420	32	OK	500	OK	OK
94	054605	B	34	0.375	40	3	120	7.338	OK	0.17	0.24	0.39	0.012	0.031	315	420	32	OK	500	OK	OK
95	048902	B	34	0.375	40	3	120	7.338	OK	0.16	0.22	0.34	0.011	0.029	315	420	31.5	OK	500	OK	OK
96	054401	B	34	0.375	40	2	80	4.892	OK	0.18	0.26	0.37	0.014	0.031	305	425	32	OK	500	OK	OK
97	054206	B	34	0.375	40	3	120	7.338	OK	0.17	0.23	0.40	0.016	0.030	305	425	31.5	OK	500	OK	OK
98	053602	B	34	0.375	40	3	120	7.338	OK	0.16	0.22	0.36	0.013	0.027	310	425	32	OK	500	OK	OK
99	047501	B	34	0.375	40	3	120	7.338	OK	0.16	0.21	0.39	0.012	0.029	305	420	32.5	OK	500	OK	OK
100	009105	B	34	0.375	40	3	120	7.338	OK	0.19	0.27	0.43	0.015	0.032	310	425	32	OK	500	OK	OK
101	047306	B	34	0.375	40	3	120	7.338	OK	0.15	0.20	0.35	0.009	0.028	305	420	32.5	OK	500	OK	OK
102	009701	B	34	0.375	40	2	80	4.892	OK	0.15	0.16	0.35	0.009	0.024	290	420	30.5	OK	500	OK	OK
103	012401	B	34	0.375	40	3	120	7.338	OK	0.16	0.17	0.33	0.010	0.026	305	425	31	OK	500	OK	OK
104	053601	B	34	0.375	40	3	120	7.338	OK	0.15	0.17	0.36	0.012	0.025	295	425	30.5	OK	500	OK	OK
105	054402	B	34	0.375	40	3	120	7.338	OK	0.16	0.18	0.37	0.011	0.026	310	420	30.5	OK	500	OK	OK
06	009103	B	34	0.375	40	3	120	7.338	OK	0.15	0.20	0.34	0.010	0.028	315	425	31.5	OK	500	OK	OK
07	048106	B	34	0.375	40	2	80	4.892	OK	0.17	0.25	0.38	0.013	0.031	320	425	32	OK	500	OK	OK
08	054602	B	34	0.375	40	3	120	7.338	OK	0.18	0.26	0.42	0.016	0.033	285	420	31	OK	500	OK	OK
09	009104	B	34	0.375	40	3	120	7.338	OK	0.14	0.18	0.32	0.008	0.024	280	425	31	OK	500	OK	OK
10	009901	B	34	0.375	40	3	120	7.338	OK	0.17	0.20	0.45	0.016	0.030	285	425	30.5	OK	500	OK	OK

[illegible] CORPORATION LIMITED

MILL CERTIFICATE

COMMODITY: CARBON STEEL PIPE PER SALES CONTRACT
NO. SEUSFP6C02TD3 DATED DECEMBER 11, 2006.

CUSTOMER: OZONE INDUSTRIES CORPORATION
15465 PINE RIDGE ROAD
FORT MYERS, FL 33908

CERTIFICATE NO:PSCNJN6C01TC5
DATE OF ISSUE:4/29/2007

Invoice No. SEUSFP6C02TD3
I.C NUMBER.: 5279996

The CARBON STEEL PIPES are tested according to ASTM A139 GR.B
This is to certify that in accordance with the relevant specifications and contracts.
The CARBON STEEL PIPES manufactured were tested and qualified by our Quality Control Department.

TOTAL : 746 PCS / 29840FT / 1769.619MT

Pipes No.	Heat Numbers	Steel	Size			Quantity			Dimensional	TESTING RESULTS										Flattening	UT Test
			O.D.	W.T.	Length					CHEMICAL PROPERTIES(%)					PHYSICAL PROPERTIES			Welding properties	Hydrostatic Test Holding time:10s		
		Grade	in	in	ft	Pcs	ft	MT	Inspection	C	Si	Mn	P	S	σs(Mpa)	σb(Mpa)	δ5(%)	σb	P = Psi	Test (B)	Test (B)
111	048904	B	34	0.375	40	3	120	7.338	OK	0.19	0.24	0.47	0.015	0.033	320	425	32.5	OK	500	OK	OK
112	048104	B	34	0.375	40	3	120	7.338	OK	0.18	0.23	0.46	0.014	0.032	315	425	32	OK	500	OK	OK
113	047906	B	34	0.375	40	2	80	4.892	OK	0.17	0.22	0.44	0.014	0.031	315	425	31.5	OK	500	OK	OK
114	048906	B	34	0.375	40	3	120	7.338	OK	0.17	0.24	0.42	0.013	0.029	305	420	31	OK	500	OK	OK
115	048901	B	34	0.375	40	3	120	7.338	OK	0.15	0.18	0.34	0.012	0.028	310	425	31.5	OK	500	OK	OK
116	047502	B	34	0.375	40	3	120	7.338	OK	0.18	0.25	0.43	0.015	0.032	275	420	32	OK	500	OK	OK
117	047907	B	34	0.375	40	3	120	7.338	OK	0.18	0.26	0.41	0.014	0.033	275	425	31	OK	500	OK	OK
118	054204	B	34	0.375	40	3	120	7.338	OK	0.15	0.18	0.37	0.011	0.029	285	425	30.5	OK	500	OK	OK
119	048705	B	34	0.375	40	3	120	7.338	OK	0.19	0.26	0.46	0.017	0.033	275	420	30.5	OK	500	OK	OK
120	013807	B	34	0.375	40	2	80	4.892	OK	0.16	0.21	0.42	0.012	0.030	325	420	32	OK	500	OK	OK
121	047305	B	34	0.375	40	3	120	7.338	OK	0.19	0.25	0.48	0.016	0.033	315	425	31.5	OK	500	OK	OK
122	048101	B	34	0.375	40	3	120	7.338	OK	0.14	0.19	0.38	0.010	0.028	310	420	31	OK	500	OK	OK
123	008501	B	34	0.375	40	3	120	7.338	OK	0.15	0.20	0.39	0.010	0.030	315	425	31.5	OK	500	OK	OK
124	055204	B	34	0.375	40	3	120	7.338	OK	0.17	0.22	0.43	0.014	0.032	300	425	32	OK	500	OK	OK
125	055207	B	34	0.375	40	3	120	7.338	OK	0.18	0.24	0.41	0.013	0.031	295	420	31	OK	500	OK	OK
126	055024	B	34	0.375	40	3	120	7.338	OK	0.15	0.18	0.39	0.010	0.027	300	425	31	OK	500	OK	OK
127	042801	B	34	0.375	40	3	120	7.338	OK	0.17	0.21	0.42	0.013	0.030	300	420	32	OK	500	OK	OK
128	237804	B	34	0.375	40	3	120	7.338	OK	0.16	0.20	0.40	0.012	0.032	285	425	31	OK	500	OK	OK
129	048103	B	34	0.375	40	3 170	120	7.338	OK	0.18	0.23	0.43	0.016	0.032	295	425	30.5	OK	500	OK	OK
130	055205	B	34	0.375	40	3	120	7.338	OK	0.15	0.19	0.38	0.007	0.029	305	425	31	OK	500	OK	OK
131	055206	B	34	0.375	40	3	120	7.338	OK	0.16	0.22	0.41	0.011	0.031	280	425	31	OK	500	OK	OK
132	047302	B	34	0.375	40	3	120	7.338	OK	0.19	0.24	0.44	0.017	0.033	300	420	31	OK	500	OK	OK

TIEN WORPORATION LIMITED

MILL CERTIFICATE

COMMODITY: CARBON STEEL PIPE PER SALES CONTRACT
NO. SEUSFP6C02TD3 DATED DECEMBER 11, 2006.

CUSTOMER: OZONE INDUSTRIES CORPORATION
15465 PINE RIDGE ROAD
FORT MYERS, FL 33908

CERTIFICATE NO:PSCNJN6C01TC5
DATE OF ISSUE:4/29/2007

Invoice No. SEUSFP6C02TD3
LC NUMBER.: 5279996

The CARBON STEEL PIPES are tested according to ASTM A139 GR.B
This is to certify that in accordance with the relevant specifications and contracts.
The CARBON STEEL PIPES manufactured were tested and qualified by our Quality Control Department.

TOTAL : 746 PCS / 29840FT / 1769.619MT

Pipes No.	Heat Numbers	Steel	Size			Quantity			Dimensional	TESTING RESULTS											Flattening	UT Test
			O.D.	W.T.	Length					CHEMICAL PROPERTIES(%)					PHYSICAL PROPERTIES			Welding properties	Hydrostatic Test Holding time:10s			
		Grade	in	in	ft	Pcs	ft	MT	Inspection	C	Si	Mn	P	S	σs(Mpa)	σb(Mpa)	δ5(%)	σb	P = Psi		Test (B)	Test (B)
133	047307	B	34	0.375	40	3	120	7.338	OK	0.19	0.25	0.46	0.015	0.032	310	420	31	OK	500		OK	OK
134	055001	B	34	0.375	40	3	120	7.338	OK	0.17	0.24	0.45	0.015	0.032	285	425	32	OK	500		OK	OK
135	054404	B	34	0.375	40	3	120	7.338	OK	0.18	0.26	0.47	0.016	0.033	305	425	31	OK	500		OK	OK
136	054403	B	34	0.375	40	2	80	4.892	OK	0.15	0.19	0.39	0.014	0.029	305	420	32	OK	500		OK	OK
137	049720	B	34	0.375	40	3	120	7.338	OK	0.16	0.20	0.40	0.017	0.030	305	425	31	OK	500		OK	OK
138	054606	B	34	0.375	40	3	120	7.338	OK	0.14	0.18	0.37	0.009	0.028	290	425	31	OK	500		OK	OK
139	237806	B	34	0.375	40	3	120	7.338	OK	0.15	0.20	0.38	0.010	0.027	285	425	31	OK	500		OK	OK
140	047301	B	34	0.375	40	3	120	7.338	OK	0.17	0.23	0.41	0.015	0.031	315	425	31	OK	500		OK	OK
141	048301	B	34	0.375	40	3	120	7.338	OK	0.16	0.22	0.42	0.013	0.031	310	420	31	OK	500		OK	OK
142	175504	B	34	0.375	40	2	80	4.892	OK	0.15	0.17	0.38	0.009	0.027	315	420	30.5	OK	500		OK	OK
143	012504	B	34	0.375	40	3	120	7.338	OK	0.18	0.24	0.45	0.016	0.033	320	425	31	OK	500		OK	OK
144	016202	B	34	0.375	40	3	120	7.338	OK	0.16	0.18	0.42	0.015	0.028	310	420	32	OK	500		OK	OK
145	014205	B	34	0.375	40	3	120	7.338	OK	0.17	0.21	0.47	0.013	0.031	320	420	31	OK	500		OK	OK
146	014201	B	34	0.375	40	3	120	7.338	OK	0.16	0.23	0.40	0.012	0.029	300	425	32	OK	500		OK	OK
147	014002	B	34	0.375	40	2	80	4.892	OK	0.18	0.26	0.46	0.015	0.033	300	425	31	OK	500		OK	OK
148	048105	B	34	0.375	40	3	120	7.338	OK	0.16	0.20	0.43	0.014	0.030	310	420	31	OK	500		OK	OK
149	013805	B	34	0.375	40	3	120	7.338	OK	0.18	0.25	0.46	0.013	0.032	320	425	31.5	OK	500		OK	OK
150	009702	B	34	0.375	40	3	120	7.338	OK	0.18	0.25	0.45	0.016	0.033	295	425	31	OK	500		OK	OK
151	176701	B	34	0.375	40	3	120	7.338	OK	0.16	0.23	0.40	0.013	0.028	290	425	32	OK	500		OK	OK
152	238401	B	34	0.375	40	2	80	4.892	OK	0.17	0.24	0.43	0.015	0.031	295	420	31	OK	500		OK	OK
153	176504	B	34	0.375	40	3	120	7.338	OK	0.16	0.22	0.41	0.012	0.030	300	425	32	OK	500		OK	OK
154	176901	B	34	0.375	40	3	120	7.338	OK	0.15	0.19	0.39	0.010	0.029	315	425	31	OK	500		OK	OK

TIEN CORPORATION LIMITED

MILL CERTIFICATE

COMMODITY: CARBON STEEL PIPE PER SALES CONTRACT
NO. SEUSFP6C02TD3 DATED DECEMBER 11, 2006.

CUSTOMER: OZONE INDUSTRIES CORPORATION
15465 PINE RIDGE ROAD
FORT MYERS, FL 33908

CERTIFICATE NO:PSCNJN6C01TC5
DATE OF ISSUE:4/29/2007

Invoice No. SEUSFP6C02TD3
LC NUMBER.: 5279996

The CARBON STEEL PIPES are tested according to ASTM A139 GR.B
This is to certify that in accordance with the relevant specifications and contracts.
The CARBON STEEL PIPES manufactured were tested and qualified by our Quality Control Department.

TOTAL : 746 PCS / 29840FT / 1769.619MT

Pipes No.	Heat Numbers	Steel	Size			Quantity			Dimensional	TESTING RESULTS											
			O.D.	W.T.	Length					CHEMICAL PROPERTIES(%)					PHYSICAL PROPERTIES			Welding properties	Hydrostatic Test Holding time:10s	Flattening	UT Test
		Grade	in	in	ft	Pcs	ft	MT	Inspection	C	Si	Mn	P	S	σs(Mpa)	σb(Mpa)	δ5(%)	σb	P = Psi	Test (B)	Test (B)
155	176503	B	34	0.375	40	1	40	2.408	OK	0.18	0.26	0.46	0.015	0.032	300	420	30.5	OK	500	OK	OK
156	014003	B	36	0.375	40	2	80	5.183	OK	0.16	0.24	0.45	0.014	0.032	305	435	31	OK	500	OK	OK
157	009107	B	36	0.375	40	3	120	7.774	OK	0.17	0.19	0.37	0.010	0.028	305	425	31.5	OK	500	OK	OK
158	048507	B	36	0.375	40	2	80	5.183	OK	0.16	0.23	0.44	0.009	0.031	320	430	33	OK	500	OK	OK
159	014801	B	36	0.375	40	3	120	7.774	OK	0.14	0.14	0.35	0.014	0.030	305	425	32	OK	500	OK	OK
160	101010	B	36	0.375	40	3	120	7.774	OK	0.18	0.21	0.43	0.011	0.031	310	425	31	OK	500	OK	OK
161	014406	B	36	0.375	40	2	80	5.183	OK	0.18	0.25	0.46	0.012	0.032	325	435	31.5	OK	500	OK	OK
162	010102	B	36	0.375	40	3	120	7.774	OK	0.16	0.24	0.47	0.014	0.031	300	420	31.5	OK	500	OK	OK
163	048704	B	36	0.375	40	3	120	7.774	OK	0.18	0.23	0.45	0.012	0.028	310	425	31	OK	500	OK	OK
164	055807	B	36	0.375	40	2	80	5.183	OK	0.17	0.24	0.44	0.011	0.029	310	425	32	OK	500	OK	OK
165	055201	B	36	0.375	40	3	120	7.774	OK	0.15	0.23	0.42	0.013	0.029	315	430	32.5	OK	500	OK	OK
166	055804	B	36	0.375	40	3	120	7.774	OK	0.15	0.21	0.41	0.010	0.031	290	430	31	OK	500	OK	OK
167	044503	B	36	0.375	40	3	120	7.774	OK	0.16	0.17	0.35	0.015	0.031	305	420	32	OK	500	OK	OK
168	056001	B	36	0.375	40	2	80	5.183	OK	0.17	0.23	0.45	0.014	0.031	310	425	31	OK	500	OK	OK
169	048107	B	36	0.375	40	2	80	5.183	OK	0.16	0.22	0.46	0.012	0.031	310	425	31	OK	500	OK	OK
170	048307	B	36	0.375	40	3	120	7.774	OK	0.15	0.21	0.43	0.013	0.030	290	430	31	OK	500	OK	OK
171	055823	B	36	0.375	40	3	120	7.774	OK	0.14	0.14	0.35	0.018	0.029	305	425	32	OK	500	OK	OK
172	112002	B	36	0.375	40	2	80	5.183	OK	0.17	0.26	0.46	0.012	0.033	320	430	31.5	OK	500	OK	OK
173	010103	B	36	0.375	40	3	120	7.774	OK	0.15	0.19	0.37	0.009	0.028	305	425	31.5	OK	500	OK	OK
174	014402	B	36	0.375	40	3	120	7.774	OK	0.17	0.22	0.44	0.014	0.032	315	420	32	OK	500	OK	OK
175	014401	B	36	0.375	40	2	80	5.183	OK	0.16	0.21	0.41	0.012	0.029	290	420	31.5	OK	500	OK	OK
176	012201	B	36	0.375	40	3	120	7.774	OK	0.18	0.25	0.45	0.015	0.032	285	420	32	OK	500	OK	OK

SOLD TO: CONSTRUCTION MATERIALS LTD
PO BOX 210189
MONTGOMERY, AL 36121-0189

SHIP TO: CONSTRUCTION MATERIALS LTD
1755 BENCHMARK AVE
FT MYERS, FL 33905-

NUCOR
BAR MILL GROUP
NUCOR STEEL BIRMINGHAM, INC.

CERTIFIED MILL TEST REPORT

Ship from:
Nucor Steel Birmingham, Inc.
3900 NE 10TH Way
Pompano Beach, FL 33064
954-942-8400

Date: 19-Feb-2008
B.L. Number: 354661
Load Number: 17643

Material Safety Data Sheets are available at www.nucorbar.com or by contacting your inside sales representative.

NBMG-06 January 18, 2008

HEAT NUM *	DESCRIPTION	PHYSICAL TESTS					CHEMICAL TESTS						
		YIELD P.S.I.	TENSILE P.S.I.	ELONG % IN 8"	BEND	WT% DEF	C / Ni	Mn / Cr	P / Mo	S / V	Si / Cb	Cu / Sn	C.E.
PO# =>	367370												
BR08100658801	Nucor Steel Birmingham, Inc.	71,600	105,500	12.0%	OK	-3.2%	.40	1.09	.024	.046	.22	.34	.60
	16#5 Rebar 20'	494MPa	727MPa			.041	.09	.12	.028	.015	.002		
	A615M Gr 420 (Gr60)												
	ASTM A615/A615M-06a GR 60[420]												
PO# =>	367370												
BR08100669701	Nucor Steel Birmingham, Inc.	68,700	110,600	10.0%	OK	-3.1%	.42	1.17	.014	.043	.23	.30	.64
	16#5 Rebar 20'	474MPa	763MPa			.044	.11	.16	.045	.006	.002		
	A615M Gr 420 (Gr60)												
	ASTM A615/A615M-06a GR 60[420]												
PO# =>	367370												
NOHTR1660	Nucor Steel Birmingham, Inc.	***	***	***	**	***	0.00	0.00	0.00	0.00	0.00	0.00	%.%%
	16#5 Rebar 20'	***	***			***	0.00	0.00	0.00	0.00	0.00		
	A615M Gr 420 (Gr60)												
	ASTM A615/A615M-06a GR 60[420]												

03200-021-A
2/27/08
Whitey

I HEREBY CERTIFY THAT THE ABOVE FIGURES ARE CORRECT AS CONTAINED IN THE RECORDS OF THE CORPORATION.

ALL MANUFACTURING PROCESSES OF THE STEEL MATERIALS IN THIS PRODUCT, INCLUDING MELTING, HAVE OCCURRED WITHIN THE UNITED STATES. ALL PRODUCTS PRODUCED ARE WELD FREE. MERCURY, IN ANY FORM, HAS NOT BEEN USED IN THE PRODUCTION OR TESTING OF THIS MATERIAL.

QUALITY ASSURANCE: George Mijus

SOLD CONSTRUCTION MATERIALS LTD
PO BOX 210189
TO: MONTGOMERY, AL 36121-0189

NUCOR
BAR MILL GROUP
NUCOR STEEL BIRMINGHAM, INC.

CERTIFIED MILL TEST REPORT

Ship from:
Nucor Steel Birmingham, Inc.
3900 NE 10TH Way
Pompano Beach, FL 33064
954-942-9400

SHIP CONSTRUCTION MATERIALS LTD
TO: 1755 BENCHMARK AVE
FT MYERS, FL 33905-

Date: 19-Feb-2008
B.L. Number: 354661
Load Number: 17643

Material Safety Data Sheets are available at www.nucorbar.com or by contacting your inside sales representative. NSMG-08 January 18, 2008

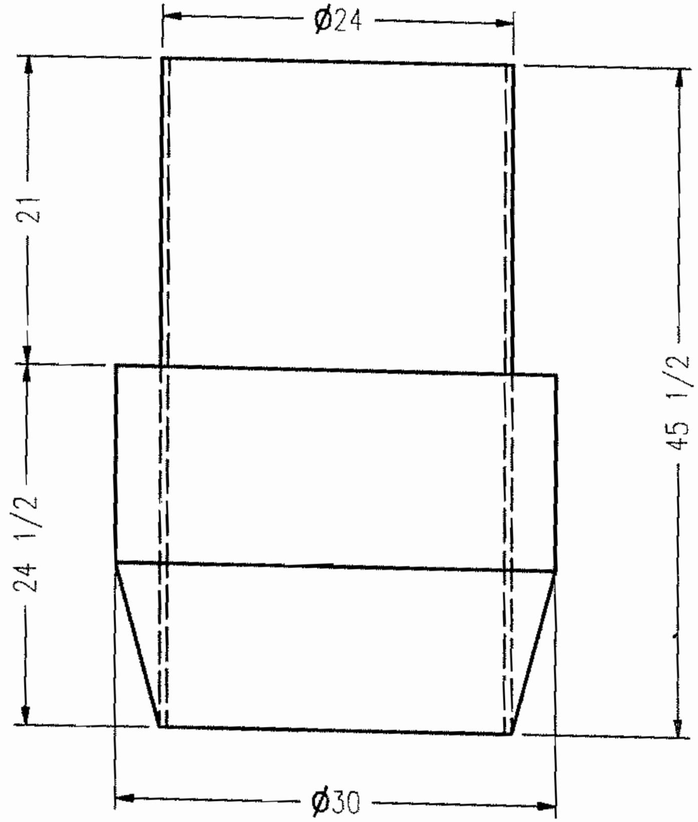
HEAT NUM.*	DESCRIPTION	PHYSICAL TESTS					CHEMICAL TESTS						
		YIELD P.S.I.	TENSILE P.S.I.	ELONG % IN 8"	BEND	WT% DEF	C / Ni	Mn / Cr	P / Mo	S / V	Si / Cb	Cu / Sn	C.E.
PO# -->	367370												
R0810044901	Nucor Steel Birmingham, Inc.	72,500	110,600	9.0%	OK	-5.0%	.40	1.33	.018	.036	.23	.28	.65
	16/#5 Rebar 20'	500MPa	763MPa			.034	.10	.16	.038	.007	.002		
	A615M Gr 420 (Gr60)												
	ASTM A615/A615M-06a GR 60[420]												
PO# -->	367370												
R0810045001	Nucor Steel Birmingham, Inc.	69,500	112,500	9.0%	OK	-2.2%	.40	1.23	.017	.043	.26	.25	.63
	16/#5 Rebar 20'	479MPa	776MPa			.041	.09	.14	.034	.008	.003		
	A615M Gr 420 (Gr60)												
	ASTM A615/A615M-06a GR 60[420]												
PO# -->	367370												
R0810045101	Nucor Steel Birmingham, Inc.	78,300	110,400	10.0%	OK	-2.7%	.40	1.22	.020	.037	.24	.26	.63
	16/#5 Rebar 20'	540MPa	761MPa			.038	.08	.14	.032	.006	.003		
	A615M Gr 420 (Gr60)												
	ASTM A615/A615M-06a GR 60[420]												
PO# -->	367370												
R0810046101	Nucor Steel Birmingham, Inc.	68,700	106,900	14.0%	OK	-2.1%	.40	1.13	.022	.067	.27	.47	.62
	16/#5 Rebar 20'	474MPa	737MPa			.037	.13	.16	.036	.005	.003		
	A615M Gr 420 (Gr60)												
	ASTM A615/A615M-06a GR 60[420]												
PO# -->	367370												
R0810046201	Nucor Steel Birmingham, Inc.	70,000	110,700	9.0%	OK	-2.6%	.38	1.19	.017	.060	.22	.58	.61
	16/#5 Rebar 20'	483MPa	763MPa			.041	.15	.14	.045	.006	.002		
	A615M Gr 420 (Gr60)												
	ASTM A615/A615M-06a GR 60[420]												
PO# -->	367370												
R0810046301	Nucor Steel Birmingham, Inc.	69,900	110,300	11.0%	OK	-2.9%	.36	1.19	.035	.075	.22	.63	.60
	16/#5 Rebar 20'	482MPa	760MPa			.040	.14	.17	.044	.007	.004		
	A615M Gr 420 (Gr60)												
	ASTM A615/A615M-06a GR 60[420]												

I HEREBY CERTIFY THAT THE ABOVE FIGURES ARE CORRECT AS CONTAINED IN THE RECORDS OF THE CORPORATION

ALL MANUFACTURING PROCESSES OF THE STEEL MATERIALS IN THIS PRODUCT, INCLUDING MELTING, HAVE OCCURRED WITHIN THE UNITED STATES. ALL PRODUCTS PRODUCED ARE WELD FREE. MERCURY, IN ANY FORM, HAS NOT BEEN USED IN THE PRODUCTION OR TESTING OF THIS MATERIAL.

QUALITY ASSURANCE: George Mijus

YOUNGQUIST BROTHERS, INC.
Section No. 15070-010-A
Date 01/02/08
Signature



TOLERANCES
(UNLESS SPECIFIED)

FRACTIONS:

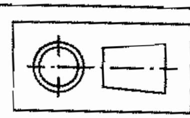
BELOW 1"	1/64"
1"-12"	1/32"
ABOVE 12"	1/16"

DECIMALS:

.XX	±.01
.XXX	±.005
ANGLES	±1/4'

SURFACE FINISH
VALUES IN Ra MICRONS

Material
STEEL



DRAWN TO ANSI STDS
DIMENSIONS IN INCHES
DO NOT SCALE

YOUNGQUIST BROTHERS, INC.
15465 Pine Ridge Road, Fort Myers, Florida 33908

DRILLING PLANT
DRILLING RIG
—

DETAIL

Drawn	Date
JAM	1/2/2008
Checked	Date
Approved	Date

Sheet Size	Scale	Project No
A		

Drawing Number
24 Casing Pc
1a.idw

Sh 1 of 1 | Revision 0

Farkas, Tom A

From: Clay Ferguson [Clay@YoungquistBrothers.Com]
Sent: Wednesday, January 23, 2008 3:04 PM
To: Farkas, Tom A; Fei Wu
Cc: Regon, Michelle M.; Ed McCullers; Kevin Greuel
Subject: RE: Casing Float submittal: Lehigh Acres Deep Injection Well

Tom,

As we discussed, to reduce the hook load of the final string of casing, we are proposing to drill a stepped hole, float the final string of casing and tremie all cement stages for the 24" final string of casing in Lehigh. To set the final string of casing for the IW, the final well bore will be drilled as follows:

32.5" (34" nominal) bit to casing depth

26" bit to 2 – 3' below casing depth

22.5" bit to TD

The 24" casing float shoe will be a piece of .5" w.t. seamless casing that has been filled with 4000psi concrete. The float shoe will be welded to the bottom joint of casing and will also have the concentric reducer to set into the stepped hole to establish a plug for cementing. All of this should be included on the drawings that Wu Fei has sent you previously.

After running the casing, we will tremie several small stages of neat cement until we have at least 10 feet of fill as a plug. Once the plug is established, we will continue with a typical tremie cement operation to bring cement to surface. After we have lifted cement to surface, we will then run the 22.5" bit back into the casing to drill out the concrete that was emplaced in the float shoe.

I hope this clarifies our submittal for the float shoe. Please let me know if you have any more questions or concerns.

Clay Ferguson
Drilling Operations
Youngquist Brothers, Inc.

From: Farkas, Tom A [mailto:TAFarkas@pbsj.com]
Sent: Friday, January 04, 2008 3:07 PM
To: Fei Wu
Cc: Regon, Michelle M.; Clay Ferguson; Ed McCullers
Subject: Casing Float submittal: Lehigh Acres Deep Injection Well

Fei,

In order to approve your 24-inch casing float shoe submittal, we need some more information.

1) We need a description of how the casing shoe is to be installed, more info on material (type of steel), will it have a plug (material) and how it will be knocked out or removed.

2) How will cementing be accomplished with the casing shoe in place?

Please send me this information via email and we can attach it to your submittal.

Thanks

1/28/2008

CONTRACTOR SUBMITTAL LOG

Project : Lehigh Acres Deep Injection Well
Client: FGUA
Engineer: PBS&J
Contractor: Youngquist Brothers Inc

Project Bid No. LE 020
Contact: David Huff
Contact : Tom Farkas
Contact : Sean Skinner

PBS&J Project No.: 071200.90

Date Rec'd. by PBS&J	PBS&J Submittal No	YBt Submittal No	Description	No. Copies Rec'd.	Reviewer Discipline/Location	Date Sent to Reviewer	Date Ret'd. from Reviewer	Action					Date Ret'd	No. Copies Ret'd.
								Reviewed	Approved	Reviewed	Comments as Noted	REJECTED Revise & Resubmit	NOT REVIEWED	
24-Apr-07	1A	01300-011-A	Safety Manual	8	Tampa- PBS&J	25-Apr-07			X					03-May-07	2
24-Apr-07	2A	15070-008-A	Welder's Certificates	8	Tampa- PBS&J	25-Apr-07			X					03-May-07	2
24-Apr-07	3A	01300-012-A	Contractor Submittal Log	8	Tampa- PBS&J	25-Apr-07			X					03-May-07	2
24-Apr-07	4A	15070-008-A	Hurricane Preparedness Plan	8	Tampa- PBS&J	25-Apr-07			X					03-May-07	2
24-Apr-07	5A	15070-008-A	Construction Schedule	8	Tampa- PBS&J	25-Apr-07			X					03-May-07	2
24-Apr-07	6A	15070-009-A	FRP (1500) Casing Specs for Monitor Wells	8	Tampa- PBS&J	25-Apr-07							X	Replaced	
18-Jun-07	6B	15070-009-B	FRP (2500) Casing Specs for Monitor Wells	8	Tampa- PBS&J	28-Jun-07			X					29-Jun-07	2
10-May-07	7A	15070-010-A	26" Steel Pit Casing for Monitor Wells	9	Tampa- PBS&J	10-May-07			X					14-May-07	3
15-May-07	8A	1340-001-A	Temporary Drill Pad	8	Tampa- PBS&J	15-May-07			X					22-May-07	2
07-Jun-07	9A	15070-004-A	16-inch Mill Certs for LZMW Intermediate Steel Casing	9	Tampa- PBS&J	08-Jun-07			X					08-Jun-07	2
21-Aug-07	10A	01300-015-A	California Packer for 6" FRP Final Casing	8	Tampa- PBS&J	21-Aug-07			X					23-Aug-07	2
20-Nov-07	11A	15070-001-A	42-inch Mill Certs for DIW Steel Surface Casing	8	Tampa- PBS&J	20-Nov-07			X					20-Nov-07	2
27-Nov-07	11B	15070-001-A	42-inch Mill Certs for DIW Steel Surface Casing	8	Tampa- PBS&J	28-Nov-07			X					28-Nov-07	2
05-Dec-07	12A	15070-003-A	24-inch Mill Certs for DIW Steel Final Casing	8	Tampa- PBS&J	06-Dec-07			X					10-Dec-07	2
14-Dec-07	13A	15070-002-A	34-inch Mill Certs for DIW Steel Intermediate Casing	8	Tampa- PBS&J	17-Dec-07			X					19-Dec-07	2
02-Jan-08	14A	15070-012-A	24-inch Casing Float Shoe	8	Tampa- PBS&J	05-Jan-08			X					29-Jan-08	2

APPENDIX F

Lithology Logs
LZMW-1B
UZMW-1
DIW-1

LZMW-1B

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
0	10	LIMESTONE, moderately hard, fine grained, tan; some fossils. Top of Tampa Member	MG
10	20	LIMESTONE, moderately hard, fine to medium grained, small vugs, light tan to light gray; some shell fragments;	MG
20	30	MARL, moderately friable, fine grained, gray to blue; trace limestone, moderately friable, tan to white; some shells	MG
30	40	SAME AS ABOVE; much shell fragments.	MG
40	50	MARL, moderately hard, gray, fine to medium grained; trace sandstone, phosphate, fossiliferous, moderately hard, medium grained, gray green; much shell fragments.	MG
50	60	SANDSTONE, moderately friable, fine to medium grained, gray green to light brown; some marl, moderately hard, light gray to dark gray, fine grained; some phosphate, trace shell fragments. **Top of Hawthorne Formation**	MG
60	70	SANDSTONE, moderately hard, medium grained, light tan to tan; some phosphate; trace marl; trace shell fragments.	MG
70	80	SANDSTONE, moderately hard, medium grained, gray to green; trace marl; some phosphate; trace shell fragments.	MG
80	90	SANDSTONE, moderately friable, fine to medium grained, gray green; some marl, friable, fine grained, gray; trace phosphate nodules; trace shell fragments.	MG
90	100	SANDSTONE, moderately hard, fine to medium grained, tan to gray-green; some marl, friable, fine grained, gray; trace calcareous sandstone; trace phosphate nodules; trace shell fragments; trace quartz gravel.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
100	110	SANDSTONE, moderately hard, fine grained, tan to gray-green; some marl, moderately friable, fine to medium grained, gray; trace phosphate nodules; trace shell fragments; phosphate (specs).	MG
110	120	SANDSTONE, friable to moderately friable, fine grained, gray-green to buff; trace marl, moderately friable, fine grain, gray; trace phosphate nodules; trace quartz; phosphate (specs).	MG
120	130	LIMESTONE, moderately friable, fine to medium grained, tan to buff; trace sandstone, moderately hard, medium grained, gray to tan; some shell fragments and trace coquina.	MG
130	140	SAME AS ABOVE; trace shell fragments	MG
140	150	LIMESTONE, moderately friable, medium grained, tan to gray; trace sandstone, moderately hard, medium grained, tan to brown; trace shell fragments; trace marl; trace clay, loose, gray.	MG
150	160	CLAY, moderately firm, loose, silty, light gray; trace sandstone, phosphate, moderately hard, medium grained, tan; trace marl, moderately friable, gray; trace shell fragments; phosphate (specs).	MG
160	170	CLAY, moderately firm, loose, silty, gray; trace sandstone, phosphate; trace shell fragments; phosphate (specs).	MG
170	180	CLAY, firm, sandy, light gray; trace sandstone, moderately hard, medium grained, tan; trace marl, trace shells and phosphate (specs).	MG
180	190	CLAY, fossiliferous, firm, light gray to green; some sandstone, medium grained, moderately friable, tan to gray-green; phosphate (specs).	MG
190	200	CLAY, fossiliferous; phosphate (specs).	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
200	210	CLAY, firm, smooth, gray to green; some limestone, moderately friable, medium grained, vuggy, light tan to gray; trace shell fragments; phosphate (specs).	MG
210	220	CLAY, firm, gray-green; some limestone, friable, medium grained, vuggy, tan to gray; some phosphate nodules; trace shell fragments; phosphate (specs).	MG
220	230	CLAY, soft, sandy, dark gray; some limestone, moderately friable, vuggy, tan; trace marl; trace shell fragments; trace phosphate (specs and nodules).	MG
230	240	CLAY, smooth, soft, dark gray; trace limestone, moderately friable, vuggy, tan; trace marl; trace phosphate (specs and nodules), trace shells.	MG
240	250	CLAY, soft, smooth, dark gray; phosphate (specs).	MG
250	260	SAME AS ABOVE	MG
260	270	CLAY, soft, sandy, gray-green; some limestone, fossiliferous, moderately friable, medium grained, vuggy, tan to buff; trace phosphate (specs and nodules), trace shells.	MG
270	280	CLAY, moderately firm, sandy, gray-green; some limestone, moderately friable, medium grained, vuggy, tan to buff; trace phosphate (specs and nodules); trace shells.	MG
280	290	LIMESTONE, friable, medium grained, tan to white; some clay, soft, light tan; some phosphate (specs); trace shells.	MG
290	300	CLAY, moderately firm, sandy, light gray to tan; some limestone, phosphate, friable, medium grained, vuggy, tan; trace phosphate nodules; trace shell fragments.	MG
300	310	CLAY, soft, smooth, tan; some clay, moderately firm, gray; some limestone, phosphate, friable, vuggy, tan.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
310	320	CLAY, soft, smooth, tan; some limestone, friable, vuggy, tan; some phosphate (specs); trace shells.	MG
320	330	SAME AS ABOVE; trace phosphate nodules, trace shell fragments.	MG
330	340	CLAY, firm, smooth, primarily gray, trace tan.	MG
340	350	CLAY, firm, smooth, dark gray; trace limestone, friable, chalky, white; abundant phosphate (specs and nodules).	MG
350	360	SAME AS ABOVE; clay is tan to gray.	MG
360	370	CLAY, moderately firm, sandy, white to buff; some limestone, moderately friable, fine grained, white to buff; some phosphate (specs); trace shells.	MG
370	380	SAME AS ABOVE	MG
380	390	SAME AS ABOVE; clay is moderately soft.	MG
390	400	CLAY, moderately soft, smooth; trace limestone, friable, chalky white; trace marl; phosphate specs. (small sample size)	MG
400	410	SAME AS ABOVE; no marl.	MG
410	420	SAME AS ABOVE; clay is tan to light gray.	MG
420	430	CLAY, soft, smooth, light gray; some limestone, moderately friable, fine to medium grained, white; some phosphate (specs).	MG
430	440	CLAY, moderately firm, smooth, dark gray; trace limestone, moderately friable, fine grained, tan to buff; trace clay, firm, smooth, dry, dark gray; trace shells.	MG
440	450	CLAY, moderately firm, sandy, tan to light tan; trace clay, firm, dark gray; trace limestone, moderately friable to moderately firm, tan; some phosphate (specs and nodules); trace shells.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
450	460	CLAY, soft, smooth, tan to light tan; trace limestone, moderately friable, light tan; much phosphate (specs), trace phosphate nodules.	MG
460	470	SAME AS ABOVE	MG
470	480	SAME AS ABOVE, trace dark gray clay, firm.	MG
480	490	SAME AS ABOVE; clay, firm, sandy, tan; less phosphate.	MG
490	500	CLAY, moderately firm, sandy, tan; some limestone, moderately friable, medium grained, tan to gray; some phosphate (specs); trace shells.	MG
500	510	SAME AS ABOVE	MG
510	520	CLAY, soft, sandy, tan; some limestone, moderately friable, fine to medium grained, tan to gray; trace sandstone, moderately friable, medium grained, brown; trace phosphate (specs) and shells.	MG
520	530	CLAY, soft, sandy, tan; some limestone, micritic, moderately friable, fine to medium grained, tan; some phosphate (specs) and shells.	MG
530	540	CLAY, moderately soft, sandy, light gray; some limestone, moderately friable, tan to white; trace sandstone, hard, dark gray; trace clay, moderately soft, sticky, dark brown; trace phosphate (specs) and shells.	MG
540	550	LIMESTONE, micritic, moderately hard, medium grained, white to light gray; trace clay, soft, sandy tan; some phosphate (specs); trace shells.	MG
550	560	SAME AS ABOVE	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
560	570	LIMESTONE, micritic, hard, medium grained, white to tan; much clay, moderately firm, sandy, light gray; trace marl, fine grained, moderately friable, dark gray; some phosphate (specs) and shells.	MG
570	580	SAME AS ABOVE; trace shells; some clay.	MG
580	590	SAME AS ABOVE; trace shells.	MG
590	600	LIMESTONE, micritic, hard, fine to medium grained, tan; trace clay, moderately firm, white; no marl; some phosphate (specs) and shells.	MG
600	610	SAME AS ABOVE	MG
610	620	SAME AS ABOVE; no clay.	MG
620	630	SAME AS ABOVE; trace clay, soft, chalky, white; trace sandstone (calcareous), moderately hard, gray-green.	MG
630	640	LIMESTONE, micritic, moderately hard, fine to medium grained, tan; trace clay, soft, chalky, white; trace shells.	MG
640	650	SAME AS ABOVE; limestone is moderately friable; no sandstone.	MG
650	660	LIMESTONE, micritic, moderately hard, fine to medium grained, tan to buff; trace shells. **Top of the Suwannee Formation**	MG
660	670	SAME AS ABOVE; limestone is phosphate, fine grained.	MG
670	680	LIMESTONE, fossiliferous, moderately hard, fine to medium grained, tan to buff; trace marl, moderately friable, fine grained, dark gray; phosphate (specs).	MG
680	690	SAME AS ABOVE	MG
690	700	SAME AS ABOVE; trace marl; trace clay, soft, chalky, white.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
700	710	LIMESTONE, moderately friable, medium grained, light tan to buff; trace marl, moderately friable, dark gray; trace clay, soft, dark gray; trace phosphate (specs) and shells.	MG
710	720	SAME AS ABOVE	MG
720	730	SAME AS ABOVE; fine to medium grained; trace clay, soft, chalky, white; no marl.	MG
730	740	LIMESTONE, moderately friable, fine to medium grained, tan to buff; trace limestone phosphate (specs); trace marl, fine grained, moderately friable, dark gray; trace shells.	MG
740	750	LIMESTONE, moderately hard, medium grained, tan to white; trace shells.	MG
750	760	LIMESTONE, moderately hard, fine grained, tan to white.	MG
760	770	LIMESTONE, moderately hard, fine to medium grained, tan; trace limestone phosphate (specs); trace clay, soft, chalky, white.	MG
770	780	LIMSTONE, moderately hard, medium grained, tan to buff; trace phosphate (specs); trace clay, soft, chalky, white; trace shells.	MG
780	790	SAND, quartz, fine grained, tan; trace limestone, moderately friable to moderately hard, fine grain, light tan; phosphate (specs).	MG
790	800	SAND, quartz, fine grained, tan; trace limestone, moderately friable, medium grained, tan; phosphate (specs), trace shells.	MG
800	810	SAND, quartz, fine grained, tan; trace limestone, medium grained; trace clay, soft, white; trace phosphate (specs) and shells.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
810	820	SAND, quartz, fine grained, tan; trace clay, moderately firm, white and gray-green; trace limestone, trace phosphate, fine to medium grained, tan; phosphate (specs).	MG
820	830	SAND, quartz, fine grained, tan; trace phosphate (specs).	MG
830	840	SAND, quartz, fine grained, tan; much phosphate, trace limestone, trace clay, moderately firm, gray and white.	MG
840	850	LIMESTONE, micritic, friable, tan to light gray; much phosphate (specs), trace fossils (shells and casts).	TF
850	860	SAME AS ABOVE	TF
860	870	LIMESTONE, micritic, friable to moderately hard, tan; trace phosphate (specs).	TF
870	880	LIMESTONE, fine to medium grained, moderately hard, tan; phosphate.	MG
880	890	LIMESTONE, fossiliferous, fine grained, tan; trace clay, moderately soft, gray; phosphate.	MG
890	900	LIMESTONE, micritic, moderately friable, fine grained, tan; some clay, moderately soft, tan; phosphate.	MG
900	910	LIMESTONE, micritic, soft, sandy, calcareous, tan; some phosphate (specs).	TF
910	920	SAME AS ABOVE; trace phosphate (specs).	TF
920	930	SAME AS ABOVE	TF
930	940	LIMESTONE, micritic, soft, tan; trace clay; trace fossil (casts); trace phosphate (specs).	TF
940	950	SAME AS ABOVE, no clay, no fossil.	TF
950	960	LIMESTONE, micritic, soft, light brown; trace fossils; trace phosphate (specs).	TF
960	970	SAME AS ABOVE, tan; trace fossils (shells).	TF

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
970	980	SAME AS ABOVE; some phosphate (specs).	TF
980	990	SAME AS ABOVE; trace phosphate (specs).	TF
990	1000	SAME AS ABOVE	TF
1000	1010	LIMESTONE, micritic, soft, tan to light brown; some phosphate (specs and nodules); trace fossils (shells).	TF
1010	1020	SAME AS ABOVE, tan; trace phosphate (specs).	TF
1020	1030	SAME AS ABOVE	TF
1030	1040	LIMESTONE, micritic, soft to friable, tan; trace phosphate (specs and nodules); trace fossils (shells).	TF
1040	1050	LIMESTONE, micritic, soft, tan; trace phosphate (specs and nodules); no visible fossils.	TF
1050	1060	SAME AS ABOVE	TF
1060	1070	LIMESTONE, micritic, soft to friable, tan; trace phosphate (specs and nodules), trace fossils (shells and casts); trace quartz sand, fine grained.	TF
1070	1080	SAND, quartz, fine to very fine grained, tan; much phosphate (specs); trace limestone.	TF
1080	1090	SAME AS ABOVE; trace clay, silty, nodule.	TF
1090	1100	LIMESTONE, micritic, soft to friable, tan; some sand, quartz, fine grained, tan; some phosphate.	TF
1100	1110	LIMESTONE, micritic, friable, tan; some phosphate (specs).	TF
1110	1120	LIMESTONE, micritic, soft, tan; no phosphate; no fossils. **Top of Ocala Formation**	TF
1120	1130	SAME AS ABOVE	TF
1130	1140	LIMESTONE, micritic, soft to friable, tan to light tan.	TF
1140	1150	SAME AS ABOVE	TF
1150	1160	SAME AS ABOVE	TF

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
1160	1170	SAME AS ABOVE	TF
1170	1180	LIMESTONE, micritic, soft, light tan.	TF
1180	1190	LIMESTONE, micritic, friable; trace fossils (foraminifera).	TF
1190	1200	SAME AS ABOVE	TF
1200	1210	LIMESTONE, friable, gritty, light tan.	MR
1210	1220	LIMESTONE, very friable, medium grained, sandy/gritty, light tan.	MR
1220	1230	SAME AS ABOVE, some disc fossils (foraminifera).	MR
1230	1240	LIMESTONE, very friable, sandy, light tan; some shell fragments (disc fossils).	MR
1240	1250	LIMESTONE, very friable, medium grained, sandy, light tan; much disc fossils (foraminifera) and shell fragments.	MR
1250	1260	LIMESTONE, very friable, medium grained, sandy, light tan; some shell fragments (discs); trace phosphate.	MR
1260	1270	SAME AS ABOVE; less limestone.	MR
1270	1280	SAME AS ABOVE	MR
1280	1290	LIMESTONE, very friable, sandy/gritty, light tan; some shell fragments; trace phosphate.	MR
1290	1300	LIMESTONE, moderately friable, medium grained, light tan; some shell fragments (few discs).	MR
1300	1310	SHELL (some discs), light buff; some limestone, very friable, medium grained, gritty, light tan.	MR
1310	1320	SAME AS ABOVE	MR
1320	1330	LIMESTONE, very friable, medium grained, light tan; much shell fragments.	MR
1330	1340	SAME AS ABOVE; trace phosphate.	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
1340	1350	LIMESTONE, extremely friable, sand sized, gritty, light tan; much shell fragments; trace phosphate.	MR
1350	1360	LIMESTONE, very friable, gritty, light tan; some shell fragments.	MR
1360	1370	LIMESTONE, extremely friable, medium grained, light tan; much shell fragments (few discs); trace lignite.	MR
1370	1380	SHELL; some limestone, very friable, gritty, light tan.	MR
1380	1390	SAME AS ABOVE; less shell fragments.	MR
1390	1400	LIMESTONE, very friable, gritty, light tan; some shell fragments.	MR
1400	1410	SAME AS ABOVE	MR
1410	1420	SHELL (disc fragments), broken, light buff; some limestone, very friable, gritty, light tan.	MR
1420	1430	LIMESTONE, very friable, medium grained, gritty/sandy, light brown; trace shell fragments.	MR
1430	1440	SAME AS ABOVE; more shell fragments.	MR
1440	1450	LIMESTONE, very friable, medium grained, gritty, light tan.	MR
1450	1460	LIMESTONE, very friable, medium grained, light tan; trace shell fragments; trace clay, firm, silty, light tan.	MR
1460	1470	DOLOMITE, moderately hard, fine grained, dark gray; trace limestone, micritic, moderately hard, light tan. **Top of the Avon Park Fm.**	MR
1470	1480	LIMESTONE, very friable, sandy, medium grained, light tan; trace shell fragments; trace clay, moderately friable, silty, light tan.	MR
1480	1490	LIMESTONE, extremely friable, sandy, light tan.	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
1490	1500	LIMESTONE, friable, sandy/gritty, medium grained, light tan; trace shell fragments.	MR
1500	1510	LIMESTONE, friable, gritty, tan; some shell fragments (discs).	MR
1510	1520	SAME AS ABOVE; limestone is more friable.	MR
1520	1530	SAME AS ABOVE; trace clay.	MR
1530	1540	SAME AS ABOVE	MR
1540	1550	LIMESTONE, very friable, gritty, light tan; trace clay, white, platy, firm; trace clay, silty, firm, light brown; trace shell fragments.	MR
1550	1560	LIMESTONE, micritic, very friable, medium grained, light tan; trace shell fragments.	MR
1560	1570	SAME AS ABOVE	MR
1570	1580	SAME AS ABOVE	MR
1580	1590	LIMESTONE, micritic, very friable, medium grained, light tan; trace shell fragments; trace clay, silty, moderately firm, white.	MR
1590	1600	LIMESTONE, very friable, medium grained, light tan; trace shell fragments; trace clay.	MR
1600	1610	LIMESTONE, moderately friable, medium grained, light tan; trace shell fragments.	MR
1610	1620	SAME AS ABOVE	MR
1620	1630	SAME AS ABOVE; some shell fragments.	MR
1630	1640	LIMESTONE, friable, medium grained, tan; some shell fragments.	MR
1640	1650	SAME AS ABOVE	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
1650	1660	LIMESTONE, moderately friable, medium grained, light tan; some clay, silty, moderately firm, light gray; trace shell fragments.	MR
1660	1670	LIMESTONE, (Dolomitized), moderately hard, micritic, light brown; trace limestone, friable, light tan, trace shell fragments.	MR
1670	1680	LIMESTONE, moderately friable, light tan to light gray, some limestone, (Dolomitized), moderately friable, micritic, light brown; some shell fragments (discs).	MR
1680	1690	DOLOMITE, moderately hard, crystallized, light brown; much limestone, micritic, hard, dark gray; some limestone, friable, light tan; some shell fragments.	MR
1690	1700	SAME AS ABOVE	MR
1700	1710	LIMESTONE, moderately friable, light brown; trace shell fragments.	MR
1710	1720	LIMESTONE, friable, medium grained, light brown; trace shell fragments.	MR
1720	1730	SAME AS ABOVE; trace dolomite, moderately hard, brown.	MR
1730	1740	DOLOMITE, moderately hard, crystalline, light brown; trace limestone, moderately friable, light tan.	MR
1740	1750	SAME AS ABOVE	MR
1750	1760	LIMESTONE, moderately friable, medium grained, light tan; some dolomite, hard, crystalline, dark brown; trace shell fragments.	MR
1760	1770	SAME AS ABOVE; much dolomite.	MR
1770	1780	LIMESTONE, moderately friable, medium grained, light tan; trace shell fragments.	MR
1780	1790	SAME AS ABOVE	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: LZMW-1B	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
1790	1800	SAME AS ABOVE; trace phosphate.	MR
1800	1810	SAME AS ABOVE	MR
1810	1820	LIMESTONE, (Dolomitized), moderately hard, light brown; trace shell fragments.	MR
1820	1830	SAME AS ABOVE	MR
1830	1840	LIMESTONE, moderately friable, light tan; trace shell fragments.	MR
1840	1850	SAME AS ABOVE	MR
1850	1860	SAME AS ABOVE: some shell fragments.	MR
1860	1870	SAME AS ABOVE; limestone is friable.	MR
1870	1880	SAME AS ABOVE	MR
1880	1890	DOLOMITE, moderately hard, crystalline, dark brown; some limestone, friable, light tan; trace shell fragments.	MR
1890	1900	LIMESTONE, friable, light tan; much dolomite, hard, crystalline, dark brown.	MR

UZMW-1

Lehigh Acres Deep Injection Well System

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: UZMW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
0	10	LIMESTONE, fossiliferous, moderately hard, medium grained, small vugs, gray to light tan. **Top of Tampa Member**	MR
10	20	LIMESTONE, fossiliferous, moderately friable, medium grained, small vugs, light tan to light gray; trace clay, soft, sticky, gray.	MR
20	30	MARL, fossiliferous, moderately friable, fine grained, gray to blue; trace limestone, friable, tan to white.	MR
30	40	SAME AS ABOVE; much shell fragments.	MR
40	50	SANDSTONE, phosphatic, fossiliferous, moderately hard, medium grained, gray green to light brown; some marl, moderately friable, fine grained, blue to gray. **Top of Hawthrone Formation**	MR
50	60	SANDSTONE, phosphatic, fossiliferous, moderately hard, medium grained light gray to gray; trace marl.	MR
60	70	SANDSTONE,(calcareous), phosphatic, fossiliferous, moderately friable, medium grained, light tan to tan; some marl; trace sandstone, medium grained, gray-green.	MR
70	80	SANDSTONE, phosphatic, fossiliferous, moderately hard, medium grained, gray to green; trace marl.	MR
80	90	SANDSTONE, (calcareous), phosphatic, fossiliferous, moderately friable, medium grained, light tan to tan; some marl; trace sandstone, medium grained, gray-green.	MR
90	100	SANDSTONE, phosphatic, moderately hard, medium grained, gray-green; some marl, friable, fine grained, gray; trace phosphate grains.	MR

Lehigh Acres Deep Injection Well System

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: UZMW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
100	110	MARL, friable, fine grained, gray; some sandstone, moderately friable, medium grained, tan to gray green; trace phosphate grains.	MR
110	120	SAME AS ABOVE; no sandstone; some limestone, moderately friable, fine grained, light tan to tan, (sample is over 50% cement from pit casing grouting).	MR
120	130	LIMESTONE, friable, medium grained, tan to buff; trace marl; trace sandstone, moderately hard, medium grained, tan to pink.	MR
130	140	SAME AS ABOVE; some shell fragments.	MR
140	150	SAME AS ABOVE; trace clay, loose, gray.	MR
150	160	CLAY, moderately firm, loose, silty, gray; some limestone, moderately friable, vuggy, light tan; phosphatic, fossiliferous.	MR
160	170	SAME AS ABOVE	MR
170	180	CLAY, firm, sandy, light gray; trace sandstone, moderately hard, medium grained, gray to green; trace marl; phosphatic, fossiliferous.	MR
180	190	SAME AS ABOVE	MR
190	200	LIMESTONE, moderately friable, medium grained, tan to buff; some clay, phosphatic, moderately firm, sandy, gray; trace sandstone (calcareous); phosphatic, fossiliferous.	MR
200	210	CLAY, firm, sandy, gray to green; some limestone, friable, medium grained, vuggy, gray; phosphatic, fossiliferous.	MR
210	220	SAME AS ABOVE	MR
220	230	MARL, moderately friable, fine grained, gray; some limestone, moderately friable, medium grained, tan to buff; trace phosphate grains; fossiliferous.	MR

Lehigh Acres Deep Injection Well System

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: UZMW-1	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
230	240	CLAY, moderately firm, sticky, dark gray; some limestone, moderately friable, vuggy, tan; trace marl; phosphatic, fossiliferous.	MR
240	250	CLAY, soft, smooth, dark gray; phosphatic, fossiliferous.	MR
250	260	SAME AS ABOVE	MR
260	270	CLAY, soft, gray; trace calcareous sandstone; phosphatic, fossiliferous.	MR
270	280	CLAY, moderately firm, sandy, gray; some limestone, fossiliferous, moderately friable, medium grained, vuggy, tan to buff; phosphatic.	MR
280	290	LIMESTONE, friable, medium grained, tan to white; some clay, phosphatic, soft, light tan; phosphatic, fossiliferous.	MR
290	300	CLAY, moderately firm, sandy, light gray; some limestone, phosphatic, fossiliferous, friable, medium grained, light gray to white; trace phosphate grains.	MR
300	310	CLAY, soft, smooth, tan; some clay, moderately firm, gray to green; some limestone, phosphatic, fossiliferous, friable, vuggy, tan.	MR
310	320	SAME AS ABOVE	MR
320	330	SAME AS ABOVE; clay is fossiliferous; some phosphate grains.	MR
330	340	SAME AS ABOVE; abundant phosphate grains; trace sandstone, moderately hard, gray.	MR
340	350	CLAY, firm, smooth, dark gray; trace limestone, friable, chalky, white; abundant phosphate grains.	MR
350	360	SAME AS ABOVE	MR

Lehigh Acres Deep Injection Well System

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: UZMW-1	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
360	370	CLAY, moderately firm, sandy, white to buff; some limestone, phosphatic, moderately friable, fine grained, white; phosphatic, fossiliferous.	MR
370	380	SAME AS ABOVE; clay is smooth.	MR
380	390	SAME AS ABOVE	MR
390	400	CLAY, moderately soft, smooth; trace limestone, friable, chalky white; trace marl; phosphatic.	MR
400	410	SAME AS ABOVE	MR
410	420	SAME AS ABOVE; clay is sandy.	MR
420	430	CLAY, soft, smooth, light gray; some limestone, friable, fine grained, white; trace clay, firm, smooth, dry, dark gray; phosphatic.	MR
430	440	CLAY, moderately soft, smooth, dark gray; trace limestone, moderately friable, fine grained, tan to buff; fossiliferous.	MR
440	450	CLAY, moderately firm, sandy, tan to light tan; trace clay, firm, dark gray; trace limestone, friable, chalky, white; phosphatic, fossiliferous.	MR
450	460	SAME AS ABOVE	MR
460	470	SAME AS ABOVE	MR
470	480	SAME AS ABOVE	MR
480	490	SAME AS ABOVE; clay, firm, sandy, tan; less phosphate.	MR
490	500	CLAY, firm, sandy, gray; much limestone, moderately hard, medium grained, light gray to gray phosphatic, fossiliferous.	MR
500	510	SAME AS ABOVE	MR
510	520	CLAY, moderately firm, sandy, white; some limestone, moderately friable, tan; phosphatic, fossiliferous.	MR

Lehigh Acres Deep Injection Well System

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: UZMW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
520	530	LIMESTONE, micritic, moderately friable, light tan to white; trace clay, moderately soft, sticky, dark brown; phosphatic, fossiliferous.	MR
530	540	CLAY, moderately soft, sandy, light gray; some limestone, moderately friable, tan to white; some sandstone, hard, dark gray; phosphatic, fossiliferous.	MR
540	550	LIMESTONE, micritic, moderately hard, medium grained, white to light gray; phosphatic, fossiliferous.	MR
550	560	SAME AS ABOVE	MR
560	570	LIMESTONE, micritic, hard, medium grained, white to tan; much clay, phosphatic, moderately firm, sandy, light gray; phosphatic, fossiliferous.	MR
570	580	SAME AS ABOVE; less fossiliferous.	MR
580	590	SAME AS ABOVE; trace marl, fine grained, dark gray.	MR
590	600	SAME AS ABOVE; no marl; trace clay, soft, chalky, white.	MR
600	610	SAME AS ABOVE	MR
610	620	SAME AS ABOVE; no clay.	MR
620	630	SAME AS ABOVE; trace clay, soft, chalky, white; trace sandstone (calcareous), moderately hard, gray-green.	MR
630	640	LIMESTONE, micritic, moderately hard, medium grained, brown to tan; some clay, moderately firm, dark gray-green; trace clay, soft, chalky, white; trace sandstone(calcareous), moderately hard, gray-green; fossiliferous.	MR
640	650	SAME AS ABOVE; limestone is friable; no sandstone.	MR
650	660	LIMESTONE, micritic, moderately hard, medium grained, tan to buff; fossiliferous. **Top of Suwannee Limestone**	MR
660	670	SAME AS ABOVE; limestone is phosphatic.	MR

Lehigh Acres Deep Injection Well System

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: UZMW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
670	680	LIMESTONE, moderately hard, medium grained, tan to buff; some marl, moderately friable, fine grained, dark gray; fossiliferous, phosphatic.	MR
680	690	SAME AS ABOVE	MR
690	700	SAME AS ABOVE; trace marl; trace clay, soft, chalky, white.	MR
700	710	LIMESTONE, moderately friable, medium grained, light tan to buff; trace marl, moderately friable, dark gray; fossiliferous.	MR
710	720	SAME AS ABOVE; trace clay, soft, dark gray.	MR
720	730	SAME AS ABOVE; no gray clay; trace clay, soft, chalky, white.	MR
730	740	LIMESTONE, moderately friable, medium grained, tan to buff; fossiliferous.	MR
740	750	LIMESTONE, moderately hard, medium grained, tan to white.	MR
750	760	LIMESTONE, micritic, moderately hard, white; some limestone, packstone, moderately hard, buff; some limestone, hard, vuggy, tan; trace clay, very stiff, gray; trace sand, fine.	CT
760	770	SAME AS ABOVE	CT
770	780	SAME AS ABOVE; no buff limestone; trace of lignite.	CT
780	790	SAME AS ABOVE	CT
790	800	LIMESTONE, sandy, friable, white; some limestone, micritic, hard, gray; some sand, very fine, quartz, white; trace clay, brittle, buff; trace clay, sandy, white.	CT
800	810	SAND, very fine, buff to light gray; some limestone, very friable, light tan; trace marlstone; trace lignite.	MR
810	820	SAND, very fine, buff to light gray; trace limestone, very friable, light tan.	MR

Lehigh Acres Deep Injection Well System

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: UZMW-1	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
820	830	LIMESTONE, friable, medium grained, light tan to buff, phosphoric; some sand; trace shell fragments	MR
830	840	SAME AS ABOVE; more shell fragments	MR
840	850	SAME AS ABOVE; trace sand	MR
850	860	LIMESTONE, very friable, medium grained, light tan to light gray; trace shell fragments	MR
860	870	SAME AS ABOVE; some shell fragments	MR
870	880	SAME AS ABOVE	MR
880	890	SAND, fine, silica, light gray to clear; some limestone, very friable, light tan to buff; trace shell fragments	MR
890	900	LIMESTONE, very friable, light tan to buff, phosphoric; some shell fragments	MR
900	910	LIMESTONE, moderately friable, light tan, to light gray, phosphoric; some clay, silty, loose, light gray; some shell fragments	MR
910	920	LIMESTONE, friable, light tan to light gray; some shell fragments	MR
920	930	SAME AS ABOVE; much shell fragments	MR
930	940	SAME AS ABOVE	MR
940	950	LIMEMSTONE, moderately hard, medium grained, light an to gray; much shell fragments	MR
950	960	SAME AS ABOVE	MR
960	970	LIMESTONE, friable, fine grained, light tan to light brown; some shell fragments	MR
970	980	LIMESTONE, friable, light tan to light brown; some shell fragments	MR
980	990	SAME AS ABOVE	MR

Lehigh Acres Deep Injection Well System

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: UZMW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
990	1000	LIMESTONE, very friable, light tan to tan; some shell fragments	MR
1000	1010	SAME AS ABOVE; much shell fragments	MR
1010	1020	LIMESTONE, micritic, moderately hard, light tan to light gray; trace shell fragments	MR
1020	1030	LIMESTONE, micritic, moderately friable, light tan to buff; some shell fragments	MR
1030	1040	SAME AS ABOVE	MR
1040	1050	SAME AS ABOVE; some limestone, very friable, buff; trace lignite	MR
1050	1060	SAND, very fine, light tan; some limestone, moderately friable, light tan; trace shell fragments; trace lignite	MR
1060	1070	LIMESTONE, micritic, moderately hard, light tan to buff; much shell fragments; trace sand	MR
1070	1080	LIMESTONE, micritic, moderately hard, buff; much shell fragments	MR
1080	1090	SAME AS ABOVE	MR
1090	1100	LIMESTONE, extremely friable (sandy), light brown; trace limestone, moderately hard, micritic, light gray; trace shell fragments; trace lignite **Top of Ocala Formation**	MR
1100	1110	SAME AS ABOVE; trace clay	MR
1110	1120	LIMESTONE, extremely friable, light tan; trace limestone, micritic, moderately hard, light gray; trace shell fragments	MR
1120	1130	SAME AS ABOVE	MR
1130	1140	LIMESTONE, extremely friable, light tan; much limestone, micritic, moderately hard, tan; trace shell fragments	MR

Lehigh Acres Deep Injection Well System

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: UZMW-1	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
1140	1150	SAME AS ABOVE	MR
1150	1160	SAME AS ABOVE	MR
1160	1170	LIMESTONE, micritic, moderately hard, buff to white; trace sandstone	MR
1170	1180	LIMESTONE, extremely friable (sandy), light tan; some limestone, micritic, moderately hard, buff; trace shell fragments	MR
1180	1190	SAME AS ABOVE; more micritic limestone, less shell fragments	MR
1190	1200	SAME AS ABOVE; more shell fragments	MR
1200	1210	SAME AS ABOVE; trace limestone, micritic, tan; trace shell fragments	MR
1210	1220	LIMESTONE, micritic, moderately hard, white to buff; trace shell fragments	MR
1220	1230	SAME AS ABOVE; some limestone, extremely friable, light tan	MR
1230	1240	SAME AS ABOVE	MR
1240	1250	LIMESTONE, micritic, moderately hard, white to buff; much shell fragments (disks)	MR
1250	1260	LIMESTONE, micritic, moderately hard, white to buff; much limestone, extremely friable (sandy), tan	MR
1260	1270	SAME AS ABOVE; trace shell fragments	MR
1270	1280	SAME AS ABOVE	MR
1280	1290	LIMESTONE, micritic, moderately hard, light tan to buff; some shell fragments	MR

Lehigh Acres Deep Injection Well System

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: UZMW-1	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
1290	1300	LIMESTONE, extremely friable (sandy), phosphoric, light tan; some limestone, moderately hard, light brown; some shell fragments (calcareous sandstone)	MR
1300	1310	LIMESTONE, micritic, moderately hard, white to buff; much shell fragments (disks)	MR
1310	1320	LIMESTONE, extremely friable (sandy), light tan; some disk shell fragments	MR
1320	1330	LIMESTONE, moderately hard, light tan; much shell fragments	MR
1330	1340	LIMESTONE, extremely friable, light tan; much disk fossils; trace phosphate grains	MR
1340	1350	SAME AS ABOVE	MR
1350	1360	SAME AS ABOVE	MR
1360	1370	SAME AS ABOVE; trace shell fragments	MR
1370	1380	SAME AS ABOVE; much disk fossils	MR
1380	1390	LIMESTONE, micritic, moderately friable, light tan; much disk fossils; trace phosphate grains	MR
1390	1400	LIMESTONE, friable, light gray to light tan; much shell fragments; trace phosphate grains	MR
1400	1410	SAME AS ABOVE	MR
1410	1420	SAME AS ABOVE	MR
1420	1430	LIMESTONE, very friable, light tan to light gray; some shell fragments; trace phosphate grains	MR
1430	1440	SAME AS ABOVE; limestone moderately hard, light gray	MR
1440	1450	SAME AS ABOVE	MR
1450	1460	SAME AS ABOVE	MR
1460	1470	LIMESTONE, very friable, light tan to tan	MR

Lehigh Acres Deep Injection Well System

LITHOLOGIC LOG

Florida Government Utility Authority PBS&J Project No. 071200.90		WELL: UZMW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
1470	1480	SAME AS ABOVE; some shell fragments	MR
1480	1490	SAME AS ABOVE	MR
1490	1500	LIMESTONE, friable, light tan; some limestone micritic, moderately hard, light brown; trace shell fragments; trace calcite	MR
1500	1510	LIMESTONE, micritic, moderately hard, light tan to brown	MR
1510	1520	LIMESTONE, friable, light tan to buff; some limestone micritic, crystalline, light brown	MR
1520	1530	SAME AS ABOVE	MR
1530	1540	SAME AS ABOVE	MR
1540	1550	SAME AS ABOVE; micritic limestone is gray	MR
1550	1560	SAME AS ABOVE; trace phosphate grains	MR
1560	1570	SAME AS ABOVE	MR
1570	1578	SAME AS ABOVE	MR

DIW-1

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
0	10	LIMESTONE, moderately hard, fine grained, light tan to light gray; some fossils. **Top of Tampa Member**	MG
10	20	LIMESTONE, moderately friable, fine to medium grained, small vugs, light tan to light gray; much shell fragments.	MG
20	30	MARL, moderately friable, fine grained, gray to blue; trace limestone, moderately friable, tan to white; some shell fragments; phosphate (specs and nodules).	MG
30	40	SAME AS ABOVE, moderately friable to moderately hard, fine to medium grained; limestone moderately friable to hard; much shell fragments.	MG
40	50	MARL, moderately hard, gray, fine to medium grained; trace sandstone, phosphate, fossiliferous, moderately hard, medium grained, gray green; much shell fragments.	MG
50	60	SANDSTONE, moderately friable, fine to medium grained, gray green to light brown; some marl, moderately hard, light gray to dark gray, fine grained; some phosphate, some shell fragments. **Top of Hawthorn Formation**	MG
60	70	SANDSTONE, moderately hard, medium grained, light tan to tan; some phosphate; trace marl; trace shell fragments and fossils.	MG
70	80	SANDSTONE, moderately hard, medium grained, tan to gray green; trace marl; some phosphate (specs); trace shell fragments.	MG
80	90	SANDSTONE, moderately friable, fine to medium grained, tan to gray green; trace marl, friable, fine grained, gray; trace phosphate (specs and nodules); some shell fragments.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
90	100	SANDSTONE, moderately hard, fine to medium grained, tan to gray-green; some marl, friable, fine grained, gray; trace calcareous sandstone; trace phosphate nodules; trace shell fragments; trace quartz gravel.	MG
100	110	SANDSTONE, moderately friable, fine grained, tan to gray-green; some marl, moderately friable, fine to medium grained, gray; trace phosphate nodules; trace shell fragments; phosphate (specs); trace quartz gravel.	MG
110	120	LIMESTONE, moderately hard, fine to medium grained, light tan to tan; much sandstone, friable to moderately friable, fine grained, gray-green to buff; trace marl, moderately friable, fine grain, gray; trace phosphate nodules; phosphate (specs); trace fossils.	MG
120	130	LIMESTONE, moderately friable, fine to medium grained, tan to buff; trace sandstone, moderately hard, medium grained, gray to tan; some shell fragments; trace coquina.	MG
130	140	LIMESTONE, moderately friable, medium grained, tan to gray; trace sandstone, moderately hard, medium grained, tan to brown; trace clay, loose, gray; trace marl; trace shell fragments and fossils.	MG
140	150	CLAY, moderately firm, light gray; trace sandstone, phosphate, moderately hard, medium grained, tan; trace marl, moderately friable, gray; trace shell fragments; phosphate (specs).	MG
150	160	SAME AS ABOVE	MG
160	170	CLAY, moderately firm, loose, silty, gray; trace sandstone, moderately hard, light tan, phosphate; trace shell fragments; phosphate (specs).	MG

PBS&J

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
170	180	CLAY, moderately firm, sandy, buff; trace sandstone, moderately hard, medium grained, tan; trace marl, trace shells and phosphate (specs).	MG
180	190	CLAY, firm, light gray to green, fossiliferous; some sandstone, fine to medium grained, moderately friable, tan to gray-green; phosphate (specs); trace shell fragments.	MG
190	200	CLAY, firm, gray, fossiliferous; phosphate (specs).	MG
200	210	CLAY, firm, smooth, gray to gray green; trace shell fragments; phosphate (specs).	MG
210	220	CLAY, firm, gray-green; some limestone, friable, medium grained, vuggy, tan to gray; some phosphate nodules; some shell fragments; phosphate (specs).	MG
220	230	CLAY, soft, sandy, dark gray; trace limestone, moderately friable, vuggy, tan; trace shell fragments; trace phosphate (specs and nodules).	MG
230	240	CLAY, smooth, soft, dark gray; trace limestone, moderately friable, vuggy, tan; trace marl; trace phosphate (specs and nodules), trace shells.	MG
240	250	CLAY, soft, smooth, dark gray; phosphate (specs).	MG
250	260	CLAY, moderately soft, sandy, gray-green to tan; some limestone, fossiliferous, moderately friable, medium grained, vuggy, tan to buff; trace phosphate (specs and nodules), trace shell fragments.	MG
260	270	SAME AS ABOVE	MG
270	280	CLAY, moderately firm, sandy, gray-green to buff; some limestone, moderately friable, medium grained, vuggy, tan to buff; trace phosphate (specs and nodules); trace shells.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
280	290	CLAY, moderately firm, sandy, light gray to tan; some limestone, phosphate, moderately friable, medium grained, vuggy, tan; trace phosphate nodules; trace shell fragments.	MG
290	300	SAME AS ABOVE; some limestone, moderately friable to hard, medium grained, tan, phosphate; some phosphate nodules; trace marl; trace shell fragments.	MG
300	310	CLAY, soft, smooth, tan; some clay, moderately firm, gray; some limestone, phosphate, friable, vuggy, tan.	MG
310	320	CLAY, firm, smooth, dark gray; some limestone, friable, vuggy, tan; some phosphate (specs); trace clay, soft, smooth, tan; trace shells.	MG
320	330	SAME AS ABOVE, dark gray to gray green; trace limestone, phosphate (specs); shell fragments.	MG
330	340	CLAY, firm, smooth, primarily gray, trace tan; trace shell fragments; phosphate (specs).	MG
340	350	CLAY, moderately firm, sandy, white to buff; trace limestone, friable, fine grained, chalky, white; abundant phosphate (specs).	MG
350	360	SAME AS ABOVE; clay is tan to buff.	MG
360	370	CLAY, moderately firm, sandy, white to buff; some limestone, moderately friable, fine to medium grained, white to buff; some phosphate (specs); trace shells and phosphate nodules.	MG
370	380	CLAY, firm, buff to light gray; trace marl; trace shell fragments; phosphate (specs).	MG
380	390	SAME AS ABOVE; clay is moderately firm.	MG
390	400	CLAY, moderately soft, smooth, buff to light gray; trace limestone, friable, chalky white; trace marl; trace shell fragments; phosphate specs.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
400	410	SAME AS ABOVE; clay is moderately firm; no marl.	MG
410	420	CLAY, moderately soft, smooth, tan to light gray; trace shell fragments; phosphate (specs).	MG
420	430	CLAY, soft, smooth, light gray; some limestone, moderately friable, fine to medium grained, white; some phosphate (specs and nodules); trace marl.	MG
430	440	CLAY, moderately firm, smooth, dark gray; trace clay, firm, smooth, dry, dark gray; trace shells.	MG
440	450	CLAY, moderately firm, sandy, tan to light gray; trace limestone, moderately friable to moderately firm, tan; some phosphate (specs and nodules); trace marl; trace shells.	MG
450	460	CLAY, moderately soft, smooth, tan to light tan; trace limestone, moderately friable, light tan; much phosphate (specs), trace phosphate nodules.	MG
460	470	SAME AS ABOVE	MG
470	480	SAME AS ABOVE, sandy; trace dark gray clay, firm.	MG
480	490	SAME AS ABOVE; clay, firm, sandy, tan.	MG
490	500	CLAY, firm, sandy, tan to light gray; some sandstone (calcareous), hard, fine to medium grained, gray; trace limestone, moderately friable, medium grained, tan to gray; some phosphate (specs); trace clay, white, dry; trace shells.	MG
500	510	CLAY, soft, sandy, tan; some limestone, moderately friable to friable, fine to medium grained, tan to gray; trace phosphate (specs) and shells.	MG
510	520	SAME AS ABOVE; trace sandstone, moderately friable, medium grained, light brown; some phosphate (specs and nodules).	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
520	530	CLAY, moderately soft, sandy, tan; some limestone, moderately friable, fine to medium grained, tan; much phosphate (specs); trace sandstone; trace shells.	MG
530	540	CLAY, moderately soft, sandy, light gray to tan; some limestone, moderately friable to friable, tan to white; trace sandstone, hard, brown; much phosphate (specs); trace shells and phosphate nodules.	MG
540	550	LIMESTONE, micritic, moderately hard, medium grained, white to light gray; some clay, soft, sandy tan; much phosphate (specs); trace shells.	MG
550	560	SAME AS ABOVE; trace calcite.	MG
560	570	LIMESTONE, micritic, hard, medium grained, gray; much clay, moderately firm, sandy, light gray; trace marl, fine grained, moderately friable, dark gray; some phosphate (specs) and shells; trace sandstone (calcareous), medium grained, gray.	MG
570	580	SAME AS ABOVE; trace shells; some clay.	MG
580	590	SAME AS ABOVE; limestone is tan to gray; trace shells; no marl.	MG
590	600	LIMESTONE, micritic, hard, fine to medium grained, tan; trace clay, moderately firm, white; much phosphate (specs); some shells.	MG
600	610	SAME AS ABOVE	MG
610	620	SAME AS ABOVE	MG
620	630	SAME AS ABOVE; trace clay, soft, chalky, white; trace sandstone (calcareous), moderately hard, gray; trace shell fragments.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
630	640	LIMESTONE, micritic, moderately hard, fine to medium grained, light tan to light gray; trace clay, soft, chalky, white; trace shells; trace sandstone (calcareous); phosphate (specs).	MG
640	650	SAME AS ABOVE; limestone is moderately friable.	MG
650	660	LIMESTONE, micritic, moderately hard, fine to medium grained, tan to buff; trace clay, soft, white; trace sandstone; trace shells. **Top of the Suwannee Formation**	MG
660	670	SAME AS ABOVE; limestone is phosphatic, fine grained; no sandstone; (small sample).	MG
670	680	LIMESTONE, fossiliferous, moderately hard, fine to medium grained, tan to buff; trace marl, moderately friable, fine grained, dark gray; phosphate (specs).	MG
680	690	SAME AS ABOVE	MG
690	700	SAME AS ABOVE; trace marl; trace clay, soft, chalky, white; trace sandstone, moderately friable, medium grained, tan.	MG
700	710	LIMESTONE, moderately friable to hard, medium grained, light tan to buff; trace marl, moderately friable, dark gray; trace clay, soft, dark gray; trace sandstone, moderately hard, medium grained, gray; trace phosphate (specs) and shells.	MG
710	720	SAME AS ABOVE; no sandstone; no marl.	MG
720	730	SAME AS ABOVE; fine to medium grained; trace clay, soft, chalky, white; no marl.	MG
730	740	LIMESTONE, moderately friable, fine to medium grained, tan to buff; phosphate (specs); trace marl, fine grained, moderately friable, dark gray; trace shells; trace clay, soft, white.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
740	750	SAND, quartz, fine grained, tan; trace clay, white, smooth, some limestone, moderately hard, medium grained, tan to white; trace shells.	MG
750	760	SAME AS ABOVE; trace limestone; no shell.	MG
760	770	SAND, quartz, fine grained, tan; some limestone, moderately hard, fine to medium grained, tan; trace limestone phosphate (specs); some clay, soft, chalky, white.	MG
770	780	SAND, quartz, fine grained, tan; some limestone, moderately hard, medium grained, tan to buff; trace phosphate (specs); some clay, soft, chalky, white; trace shells.	MG
780	790	SAND, quartz, fine grained, tan; trace limestone, moderately friable to moderately hard, fine grain, light tan; phosphate (specs).	MG
790	800	SAME AS ABOVE	MG
800	810	SAND, quartz, fine grained, tan; trace limestone, fine to medium grained; trace clay, soft, white; trace phosphate (specs).	MG
810	820	SAND, quartz, fine grained, tan to gray; some clay, moderately firm, white and gray-green; trace limestone, moderately hard, fine to medium grained, tan; phosphate (specs).	MG
820	830	SAND, quartz, fine grained, tan; trace phosphate (specs).	MG
830	840	SAND, quartz, fine grained, tan; much phosphate specs, trace limestone, trace clay, moderately firm, gray and white.	MG
840	850	SAME AS ABOVE; some limestone, micritic, friable, tan to light gray; much phosphate (specs), trace fossils (shells and casts).	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
850	860	LIMESTONE, micritic, friable, tan to light gray; much phosphate (specs); some sand, quartz, fine grained, tan; trace fossils (shells and casts).	MG
860	870	LIMESTONE, micritic, friable to moderately hard, tan; much phosphate (specs).	MG
870	880	LIMESTONE, fine, moderately hard, tan; phosphate.	MG
880	890	LIMESTONE, fine to medium grained, tan and gray; trace clay, moderately soft, gray; phosphate; trace shell fragments.	MG
890	900	LIMESTONE, micritic, moderately friable, fine grained, tan; some clay, moderately soft, light gray; phosphate; trace shell and fossils.	MG
900	910	LIMESTONE, micritic, moderately hard, dolomitic, fine to medium grained, tan to gray; some phosphate (specs); trace fossils (mollusks).	MG
910	920	SAME AS ABOVE; trace phosphate (specs).	MG
920	930	SAME AS ABOVE; limestone tan; trace phosphate (specs).	MG
930	940	LIMESTONE, micritic, moderately hard, tan; trace clay; trace fossil (casts); trace phosphate (specs).	MG
940	950	SAME AS ABOVE, moderately friable to moderately hard; no clay, no fossil.	MG
950	960	SAME AS ABOVE	MG
960	970	SAME AS ABOVE, limestone is moderately friable; trace clay, white, soft; some phosphate (specs).	MG
970	980	SAME AS ABOVE; limestone is friable, fine grained; no clay; trace phosphate (specs).	MG
980	990	SAME AS ABOVE, limestone is tan to light brown.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
990	1000	SAME AS ABOVE, limestone is moderately friable to moderately hard.	MG
1000	1010	LIMESTONE, micritic, moderately soft, fine grained, tan to light brown; some phosphate (specs); trace fossils (shells).	MG
1010	1020	SAME AS ABOVE, tan.	MG
1020	1030	SAME AS ABOVE; trace clay, white, soft.	MG
1030	1040	LIMESTONE, micritic, soft to friable, fine to medium grained; tan; trace phosphate (specs); trace fossils (shells).	MG
1040	1050	SAME AS ABOVE	MG
1050	1060	SAME AS ABOVE, limestone is white to tan; no fossils; some phosphate (specs).	MG
1060	1070	LIMESTONE, micritic, soft to friable, tan; some phosphate (specs), trace fossils (shells and casts); trace quartz sand, fine grained.	MG
1070	1080	SAND, quartz, fine to very fine grained, tan; much phosphate (specs); much limestone, moderately friable, fine to medium grained, fine; trace shell fragments.	MG
1080	1090	LIMESTONE, micritic, moderately hard to hard, fine to medium grained, tan to light brown.	MG
1090	1100	CLAY, silty, tan, nodule.	MG
1100	1110	LIMESTONE, micritic, moderately friable, fine to medium grained, tan; trace clay, silty, tan; trace phosphate (specs). **Top of Ocala Formation**	MG
1110	1120	SAME AS ABOVE	MG
1120	1130	SAME AS ABOVE, limestone is friable; some clay, smooth, tan.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
1130	1140	LIMESTONE, micritic, moderately soft to friable, fine to medium grained, tan to light tan.	MG
1140	1150	SAME AS ABOVE	MG
1150	1160	SAME AS ABOVE, limestone is moderately friable, medium grained.	MG
1160	1170	SAME AS ABOVE, limestone is friable to moderately hard, fine to medium grained (majority fine grained).	MG
1170	1180	SAME AS ABOVE	MG
1180	1190	LIMESTONE, micritic, friable to moderately hard, fine to medium grained, tan; trace fossils (foraminifera).	MG
1190	1200	SAME AS ABOVE, limestone is friable to moderately hard.	MG
1200	1210	LIMESTONE, friable, gritty, light tan to tan.	MG
1210	1220	LIMESTONE, very friable to friable, fine to medium grained, sandy/gritty, light tan.	MG
1220	1230	SAME AS ABOVE, some disc fossils (foraminifera).	MG
1230	1240	LIMESTONE, very friable to moderately friable, sandy, light tan; some shell fragments (disc fossils).	MG
1240	1250	LIMESTONE, very friable, fine to medium grained, sandy, light tan; much disc fossils (foraminifera), trace shell fragments.	MG
1250	1260	LIMESTONE, very friable to friable, fine to medium grained, sandy, light tan; some shell fragments and disc fossils (foraminifera); trace phosphate.	MG
1260	1270	SAME AS ABOVE; friable to moderately friable.	MG
1270	1280	SAME AS ABOVE	MG
1280	1290	LIMESTONE, very friable to friable, sandy/gritty, light tan; some shell fragments.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
1290	1300	LIMESTONE, moderately friable, fine to medium grained, light tan; some shell fragments (few discs); trace phosphate.	MG
1300	1310	LIMESTONE, friable, fine to medium grained, gritty, light tan; some shell fragments.	MG
1310	1320	LIMESTONE, friable to moderately friable, fine to medium grained, light tan; some shell fragments; trace phosphate.	MG
1320	1330	LIMESTONE, friable, fine to medium grained (greater quantity fine grained), light tan; much shell fragments and fossils (discs).	MG
1330	1340	SAME AS ABOVE; trace phosphate.	MG
1340	1350	LIMESTONE, very friable to friable, sand sized, gritty, light tan; much shell fragments; trace phosphate.	MG
1350	1360	LIMESTONE, very friable, gritty, fine to medium grained (greater quantity fine grained), light tan; much shell fragments; trace phosphate.	MG
1360	1370	SAME AS ABOVE, extremely friable to friable; some shell fragments.	MG
1370	1380	LIMESTONE, very friable to friable, fine to medium grained (greater quantity medium grained), light tan; trace shell fragments and phosphate.	MG
1380	1390	SAME AS ABOVE; gritty.	MG
1390	1400	LIMESTONE, very friable to moderately friable, fine to medium grained, gritty, light tan; trace shell fragments and phosphate.	MG
1400	1410	SAME AS ABOVE; some shell fragments.	MG
1410	1420	LIMESTONE, moderately friable, light tan; some disc foraminifera.	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
1420	1430	LIMESTONE, moderately hard, medium grained, micritic, light brown; some disc foraminifera.	MR
1430	1440	SAME AS ABOVE; trace loose gray clay.	MR
1440	1450	SAME AS ABOVE; no clay	MR
1450	1460	LIMESTONE, friable, medium grained, light tan; some shell fragments; trace clay, loose, silty, light tan.	MR
1460	1470	LIMESTONE, moderately hard, fine grained, light tan; trace shell fragments and casts.	MR
1470	1480	LIMESTONE, very friable, sandy, medium grained, light tan; trace shell fragments. **Top of the Avon Park Formation**	MR
1480	1490	LIMESTONE, moderately hard, micritic, sandy, light tan.	MR
1490	1500	SAME AS ABOVE	MR
1500	1510	LIMESTONE, moderately hard, gritty, tan; some dolomite, hard, crystalline, brown; trace disc foraminifera.	MR
1510	1520	LIMESTONE, moderately hard, gritty, light tan.	MR
1520	1530	LIMESTONE, moderately friable, sandy, light tan; trace shell fragments; trace dolomite.	MR
1530	1540	SAME AS ABOVE	MR
1540	1550	LIMESTONE, friable, gritty, buff; trace clay, loose, white; trace shell fragments.	MR
1550	1560	LIMESTONE, micritic, friable, medium grained, light tan; trace shell fragments.	MR
1560	1570	SAME AS ABOVE; LS is gritty; trace dolomite.	MR
1570	1580	SAME AS ABOVE; some shell fragments.	MR
1580	1590	LIMESTONE, micritic, moderately hard, medium grained, light tan; trace dolomitized limestone, hard, brown.	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
1590	1600	LIMESTONE, friable, medium grained, light tan; trace shell fragments.	MR
1600	1610	LIMESTONE, moderately friable, medium grained, light tan to gray; trace shell fragments; trace clay, loose, white.	MR
1610	1620	LIMESTONE, micritic, moderately hard, buff; trace shell fragments; trace clay, loose, white.	MR
1620	1630	LIMESTONE, moderately friable, micritic, gritty, light tan; some disc foraminifera.	MR
1630	1640	LIMESTONE, friable, medium grained, light tan; some shell fragments.	MR
1640	1650	SAME AS ABOVE; limestone is tan; trace dolomitized limestone.	MR
1650	1660	LIMESTONE, micritic, moderately hard, light gray; some clay, silty, moderately firm, light gray; some shell fragments.	MR
1660	1670	LIMESTONE, dolomitized, moderately hard, micritic, light brown; trace limestone, friable, light tan, trace shell fragments.	MR
1670	1680	LIMESTONE, dolomitized, moderately friable, micritic, light brown; some disc foraminifera.	MR
1680	1690	LIMESTONE, moderately friable, light tan; much dolomite, moderately hard, light gray; some shell fragments.	MR
1690	1700	LIMESTONE, friable to moderately friable, fine to medium grained, light brown to tan; much dolomitic limestone, hard, medium grained, gray; trace shell fragments.	MG
1700	1710	LIMESTONE, moderately friable, fine to medium grained, light brown; trace shell fragments.	MG
1710	1720	LIMESTONE, friable to moderately friable, fine to medium grained, tan to light brown; trace shell fragments.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
1720	1730	SAME AS ABOVE; trace dolomite, moderately hard, brown and gray.	MG
1730	1740	SAME AS ABOVE, some dolomite.	MG
1740	1750	SAME AS ABOVE, some LS micritic.	MG
1750	1760	LIMESTONE, moderately friable, medium grained, light tan and light gray; some dolomite, hard, crystalline, medium grained, dark brown; trace shell fragments.	MG
1760	1770	DOLOMITE, hard, crystalline, medium grained, dark brown; trace limestone, moderately friable, medium grained, light tan.	MG
1770	1780	LIMESTONE, moderately friable, medium grained, light tan; trace shell fragments and phosphate.	MG
1780	1790	SAME AS ABOVE	MG
1790	1800	SAME AS ABOVE, LS, fine to medium grained, light tan to tan.	MG
1800	1810	LIMESTONE, moderately friable to moderately hard, fine to medium grained, light tan to light brown.	MG
1810	1820	LIMESTONE, moderately hard, gritty and sandy, light tan to buff.	MR
1820	1830	LIMESTONE, hard, vuggy, gritty, light tan to buff; trace dolostone.	MR
1830	1840	DOLOMITE, micritic, moderately hard; some limestone, gritty, moderately friable, light tan.	MR
1840	1850	LIMESTONE, moderately hard, gritty, buff; some limestone, friable, buff; trace shell fragments.	MR
1850	1860	DOLOMITE, crystalline, hard, tan; trace limestone, moderately friable, buff. **Top of Dolomite-Evaporite Unit**	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
1860	1870	SAME AS ABOVE	MR
1870	1880	LIMESTONE, moderately hard, gritty, light tan; some dolomite, micritic, crystalline, hard, dark brown.	MR
1880	1890	DOLOMITE, crystalline, hard, dark brown; some limestone, gritty, friable, light tan.	MR
1890	1900	DOLOMITE, crystalline, micritic, dark brown, vuggy, clast of limestone; some limestone, gritty, friable, light tan.	MR
1900	1910	LIMESTONE, micritic, moderately hard, gritty, buff to light tan; trace dolomitized limestone, moderately hard, dark brown, and white	MR
1910	1920	DOLOMITE, crystalline, moderately hard, gritty, light brown; trace limestone, micritic, moderately friable, buff	MR
1920	1930	LIMESTONE, gritty, vuggy, moderately friable to moderately hard, medium grained, light tan to buff.	MG
1930	1940	LIMESTONE, gritty, vuggy, moderately friable, medium grained, tan; some limestone micritic.	MG
1940	1950	SAME AS ABOVE, moderately friable to moderately hard.	MG
1950	1960	DOLOMITE, crystalline, hard, dark brown; some limestone, micritic, gritty, moderately friable, buff	MR
1960	1973	(CORE)	
1960	1961	DOLOMITE, crystalline, hard, brown	MR
1961	1963	LIMESTONE, micritic, gritty, moderately hard, buff	MR
1964	1969	DOLOMITE, crystalline, hard, vugs, dark brown	MR
1969	1980	DOLOMITE, crystalline, hard, (accessory limestone in matrix) dark brown/black, glassy; some limestone, micritic, gritty, moderately friable, buff	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
1980	1990	DOLOMITE, micritic, moderately hard, light gray with crystals of dolomite on the margins	MR
1990	2000	DOLOMITE, crystalline, hard, dark brown; some dolostone, moderately hard, light gray; some limestone, micritic, moderately friable, light tan	MR
2000	2010	DOLOMITE, micritic, friable (sandy) light brown; some limestone, micritic, friable, sandy, light tan; (trace of cement)	MR
2010	2020	DOLOMITE, crystalline, moderately hard, dark brown; much dolomite, micritic, friable, light brown (sandy); some limestone, micritic, friable tan	MR
2020	2030	DOLOMITE, micritic, moderately hard, light gray; some limestone, micritic, friable, sandy, buff; some dolostone, crystalline, hard, dark gray	MR
2030	2040	SAME AS ABOVE; less hard on the Dolomite	MR
2040	2050	LIMESTONE, micritic, moderately hard, sandy, light tan; trace dolomite, crystalline, hard, brown	MR
2050	2060	LIMESTONE, micritic, hard, buff (trace cement)	MR
2060	2070	(CORE) LIMESTONE, micritic, friable, (sandy) tan	MR
2070	2080	(CORE) SAME AS ABOVE; LIMESTONE, moderately hard	MR
2080	2090	LIMESTONE, micritic, moderately hard, light tan; some dolomite, crystalline, hard; trace cement	MR
2090	2100	SAME AS ABOVE; limestone more sandy, rounded grains, no cement	MR
2100	2110	DOLOMITE, crystalline, hard, dark brown; trace limestone, micritic, moderately hard, buff	MR
2110	2120	DOLOMITE, crystalline, hard, dark brown/gray	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
2120	2130	DOLOMITE, crystalline, hard, dark brown; trace limestone, micritic, moderately friable, gritty, buff	MR
2130	2140	SAME AS ABOVE; Some limestone	MR
2140	2150	DOLOMITE, crystalline, hard, dark gray to dark brown; trace limestone, micritic, moderately friable, gritty, buff.	MR
2150	2160	DOLOMITE, crystalline, moderately hard, dark brown; some dolomite, crystalline, hard, dark gray brown; trace limestone, micritic, friable, buff. **Top of Oldsmar Formation**	MR
2160	2170	DOLOMITE, crystalline, hard, vuggy, dark brown; trace chert, hard, black; trace limestone, micritic, friable, buff.	MR
2170	2180	LIMESTONE, micritic, moderately hard, gritty, buff; some dolomitic sand, moderately hard, light brown.	MR
2180	2190	DOLOMITIC SAND, crystalline, moderately hard, light brown.	MR
2190	2200	DOLOMITE, crystalline, vuggy, moderately hard, dark brown; some dolomitic sand; trace chert.	MR
2200	2210	SAME AS ABOVE	MR
2210	2220	SAME AS ABOVE, dolomite is darker brown; some chert.	MR
2220	2230	SAME AS ABOVE, less chert; more sand.	MR
2230	2240	DOLOMITE, crystalline, hard, dark gray to buff; some dolomite, moderately hard, vuggy, light brown.	MR
2240	2250	SAME AS ABOVE	MR
2250	2260	DOLOMITE, crystalline, moderately hard, dark gray to light brown; some limestone, micritic, gritty, friable, buff.	MR
2260	2270	SAME AS ABOVE	MR
2270	2280	SAME AS ABOVE	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		DESCRIPTION	BY
FROM	TO		
2280	2290	DOLOMITE, crystalline, hard, tan.	MR
2290	2300	DOLOMITE, crystalline, moderately hard, dark gray to tan; trace dolomite, crystalline, hard, light gray.	MR
2300	2310	SAND (silica), large grain, light tan; some dolomite, crystalline, hard, brown.	MR
2310	2320	DOLOMITE, crystalline, moderately hard, light tan to brown; trace chert; trace dolomite, crystalline, hard gray.	MR
2320	2330	DOLOMITE, crystalline, moderately hard, brown.	MR
2330	2340	DOLOMITE, crystalline, moderately hard, tan to light brown; much chert, crystalline, hard, black; trace dolomite, moderately hard, vuggy, dark brown; trace limestone, moderately friable, medium grained, buff.	MG
2340	2350	DOLOMITE, fine to medium grained, hard, tan to light brown, vuggy; trace dolomite, crystalline, hard, gray.	MG
2350	2360	DOLOMITE, crystalline, moderately hard, vuggy, brown; some dolomite, hard, fine to medium grained, tan.	MG
2360	2370	DOLOMITE, crystalline, moderately hard, vuggy, grayish brown.	MG
2370	2380	DOLOMITE, crystalline, hard, light brown; trace dolomite, crystalline, hard, gray.	MG
2380	2390	DOLOMITE, hard, fine to medium grained, vuggy, light and dark brown; some dolomite, crystalline,	MG
2390	2400	DOLOMITE, crystalline, hard, light to dark brown; some dolomite, hard, fine grained, tan and gray.	MG
2400	2410	DOLOMITE, hard, fine grained, light gray; some dolomite, crystalline, hard, dark gray and tan.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
2410	2420	DOLOMITE, crystalline, hard, dark tan to light gray; trace sand, silica, fine, tan.	MG
2420	2430	SAND, silica, fine, tan; some dolomite, fine to medium grained, hard, tan; trace dolomite, crystalline, hard, gray; trace sandy limestone, fine to medium grained, moderately friable, buff.	MG
2430	2440	DOLOMITE, crystalline, hard, dark tan to light gray; some dolomite, vuggy, moderately hard, fine grain; trace sandy limestone, medium grained, moderately friable, buff; trace sand, silica, fine, tan.	MG
2440	2450	DOLOMITE, hard, fine grained, tan; much sand, silica, fine, tan; some dolomite, crystalline, hard, light gray.	MG
2450	2460	DOLOMITE, moderately hard, fine to medium grained, vuggy, tan; some dolomite, crystalline, hard, brown; some chert, moderately friable, black; trace sand, silica, fine, tan.	MG
2460	2470	DOLOMITE, moderately hard, fine grained, light brown; some dolomite crystalline, hard, dark brown; trace sand, silica, fine, tan.	MG
2470	2480	DOLOSTONE, hard, medium grained, light gray; some dolomite, crystalline, hard, dark brown; some dolomite, moderately friable, medium grained, vuggy, brown; trace dolomitic sand, friable, medium grained, tan.	MG
2480	2490	DOLOMITE, moderately hard, fine grain, vuggy, light brown; much dolomite, crystalline, moderately hard, dark gray; some limestone, moderately friable, fine grained, buff; trace sand, silica, fine, tan.	MG
2490	2500	DOLOMITE, crystalline, hard, dark brown and dark gray.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
2500	2510	DOLOMITE, fine grained, moderately hard, tan to gray; some dolomite, crystalline, hard, light brown; trace sand, silica, fine, tan.	MG
2510	2520	LIMESTONE, dolomitic, moderately friable, medium grained, white-gray.	MG
2520	2530	SAME AS ABOVE, trace dolomite, crystalline, brown.	MG
2530	2540	SAME AS ABOVE	MG
2540	2550	DOLOMITE, crystalline, hard, dark brown; trace dolomite, moderately hard, medium grained, light brown.	MG
2550	2560	DOLOMITE, crystalline, hard, dark brown; much limestone, dolomitic, medium grained, friable, buff-gray; trace dolomitic sand, fine to medium grained, moderately friable, light brown.	MG
2560	2570	LIMESTONE, dolomitic, friable to moderately friable, medium grained, buff-gray and buff-tan; trace dolomite, crystalline, moderately hard, tan.	MG
2570	2580	DOLOMITE, moderately hard, medium grained, light brown; some dolomite, crystalline, hard light brown.	MG
2580	2590	DOLOMITE, crystalline, hard, light brown; some limestone, dolomitic, moderately friable, medium grained, white-gray.	MG
2590	2600	DOLOMITE, moderately hard, medium grained, light brown; some dolomite, crystalline, hard, light brown; trace sand, silica, fine, tan.	MG
2600	2610	DOLOMITE, crystalline, hard, brown; some dolomite, moderately hard, medium grained, brown; trace sand, silica, fine, tan.	MG
2610	2620	SAME AS ABOVE	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
2620	2630	LIMESTONE, moderately friable, fine grain, vuggy, buff; some limestone, dolomitic; much dolomite, moderately hard, fine to medium grained, brown.	MG
2630	2640	DOLOMITE, hard, fine grained, brown; much limestone, moderately friable, fine grained, yellowish; trace dolomite, crystalline; trace limestone, dolomitic.	MG
2640	2650	LIMESTONE, moderately friable, fine to medium grained, grayish-buff; some limestone, dolomitic; trace dolomite, crystalline, hard, light brown.	MG
2650	2660	LIMESTONE, dolomitic, moderately friable, fine grained, tan to gray; trace dolomite, crystalline, hard, brown.	MG
2660	2670	SAME AS ABOVE, limestone fine to medium grained.	MG
2670	2680	DOLOMITE, crystalline, hard, dark brown; trace, limestone, moderately friable, fine grained, grayish white.	MG
2680	2690	DOLOMITE, crystalline, hard, dark brown; trace chert.	MR
2690	2700	DOLOMITE, crystalline, hard, gray brown; trace limestone, micritic, friable, buff; trace chert.	MR
2700	2710	DOLOMITE, crystalline, hard, light brown, vuggy; some limestone, micritic, moderately hard, buff with gray bands.	MR
2710	2720	DOLOMITE, crystalline, hard, brown to black; trace limestone, micritic, moderately friable, buff; trace chert.	MR
2720	2730	DOLOMITE, crystalline, very hard, dark brown, not vuggy.	MR
2730	2740	DOLOMITE, crystalline, very hard, dark brown to black; some dolomite, crystalline, hard, light brown.	MG
2740	2750	DOLOMITE, crystalline, very hard, dark brown to black.	MG
2750	2760	SAME AS ABOVE, dolomite, light to dark brown.	MG
2760	2770	DOLOMITE, crystalline, hard, dark brown to dark gray.	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
2770	2780	DOLOMITE, crystalline, hard, dark brown; some dolomitic sand, crystalline, fine grained.	MR
2780	2790	DOLOMITE, crystalline, hard, dark brown.	MR
2790	2800	DOLOMITE, crystalline, very hard, dark brown to black.	MG
2800	2810	SAME AS ABOVE, dolomite, crystalline, brown to dark brown.	MG
2810	2820	SAME AS ABOVE, dolomite, crystalline, dark brown to black.	MG
2820	2830	DOLOMITE, crystalline, hard, fine to medium grained, dark gray; some dolomite, crystalline, hard, light brown.	MG
2830	2840	DOLOMITE, crystalline, hard, medium grained, dark gray to tan.	MR
2840	2850	DOLOMITE, crystalline, hard, vuggy, medium grained, light tan to light gray.	MR
2850	2860	DOLOMITE, crystalline, hard, fine to medium grained, gray.	MG
2860	2870	DOLOMITE, crystalline, hard, fine to medium grained, light tan to light gray.	MG
2870	2880	SAME AS ABOVE, dolomite predominantly tan.	MG
2880	2890	SAME AS ABOVE, dolomite, predominantly light tan.	MG
2890	2900	DOLOMITE, crystalline, hard, medium grained, tan to light gray.	MG
2900	2910	SAME AS ABOVE, dolomite predominantly tan.	MG
2910	2920	DOLOMITE, crystalline, hard, medium grained, tan to dark gray.	MR
2920	2930	SAME AS ABOVE; trace chert.	MR
2930	2940	DOLOMITE, crystalline, moderately hard, light tan; trace dolomite, crystalline, hard, dark gray.	MR

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
2940	2950	DOLOMITE, crystalline, moderately hard, medium grained, light tan; much dolomite, crystalline, hard, dark gray to black.	MG
2950	2960	DOLOMITE, crystalline, hard, dark gray to black; trace dolomite, moderately hard, fine to medium grained, tan.	MG
2960	2970	DOLOMITE, crystalline, moderately hard, light to dark gray; some dolomite, fine to medium grained; some dolomite, crystalline, moderately hard, black.	MG
2970	2980	DOLOMITE, crystalline, moderately hard, light to dark gray; some dolomite, fine to medium grained.	MG
2980	2990	SAME AS ABOVE, trace dolomite, hard, fine grained, dark gray with black bands.	MG
2990	3000	DOLOMITE, crystalline, moderately hard, light gray; some dolomite, fine to medium grained.	MG
3000	3010	SAME AS ABOVE, dolomite predominantly light tan.	MG
3010	3020	SAME AS ABOVE, dolomite, light tan to gray.	MG
3020	3030	DOLOMITE, moderately hard, fine grained, black; some dolomite, gray; trace dolomite, fine to medium grained, light tan (larger rock samples present).	MG
3030	3040	DOLOMITE, crystalline, hard, light gray to tan; trace dolostone, moderately hard, fine to medium grained, light orange.	MG
3040	3050	DOLOMITE, crystalline, hard, gray to black; trace dolomite, moderately hard, fine grained, light tan.	MG
3050	3060	SAME AS ABOVE	MG
3060	3070	DOLOMITE, crystalline, very hard, light gray to gray.	MG
3070	3080	DOLOMITE, crystalline, moderately hard, light gray to gray; trace dolomite, hard, fine grained, light tan.	MG

Lehigh Acres Deep Injection Well

LITHOLOGIC LOG

Florida Governmental Utility Authority PBS&J Project No. 071200.90		WELL: DIW-1	
DEPTH INTERVAL (ft)		**DESCRIPTION**	**BY**
FROM	**TO**		
3080	3090	SAME AS ABOVE	MG
3090	3100	DOLOMITE, crystalline, hard, light gray to dark gray; trace chert, moderately hard, fine grained, black.	MG
3100	3110	DOLOMITE, crystalline, hard, light gray to dark gray; trace calcite minerals	MR
3110	3120	SAME AS ABOVE, trace iron staining	MR
3120	3130	DOLOMITE, crystalline, hard, light gray to dark gray; trace calcite or aragonite	MR
3130	3140	DOLOMITE, crystalline, hard, light tan to dark gray; trace dolomitic sand; trace limestone, micritic, moderately hard, white	MR
3140	3150	SAME AS ABOVE	MR
3150	3160	SAME AS ABOVE	MR
3160	3170	DOLOMITE, crystalline, hard, gray to black	MR
3170	3180	SAME AS ABOVE; more iron staining	MR
3180	3190	SAME AS ABOVE; less staining	MR
3190	3200	DOLOMITE, crystalline, hard, light tan to dark gray	MR

APPENDIX G

Rock Core Laboratory Data

Ardaman & Associates, Inc.

Geotechnical, Environmental and
Materials Consultants

April 29, 2007
File Number 08-031

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Attention: Wu Fei

Subject: Rock Core Testing, Lehigh Acres WWTP Injection Well, Florida

Dear Fei:

As requested, vertical and horizontal permeability and specific gravity tests have been completed on seven of the eight limestone core samples provided for testing by your firm. The samples were received on 02/08/08. The designations for the seven samples are listed below. The testing of Core 4A is still in progress.

Core	Depth (feet)
1A	1961-1973
1B	1961-1973
2A	2000-2015
2B	2000-2015
3C	2065-2080
3D	2065-2080
4B	2161-2172

The permeability tests were performed in general accordance with ASTM Standard D 5084 "Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter" using the constant head test method (Method A). The permeability test results are presented on the attached test reports.

The specific gravity tests were performed in general accordance with ASTM Standard D 854 "Specific Gravity of Soil Solids by Water Pycnometer" on test specimens ground to pass the U.S. Standard No. 40 sieve. The measured mineral specific gravities are presented on the attached test reports.

The specimens were reported to be from the samples designated herein. The test results are indicative of only the specimens that were actually tested. The test results presented are based upon accepted industry practice as well as test method(s) listed. Ardaman & Associates, Inc. neither accepts responsibility for, nor makes claims to the final use and purpose of the material.

If you have any questions about the test results or require additional information, please contact us. We will forward additional test results as the tests are completed.

Very truly yours,
ARDAMAN & ASSOCIATES, INC.

Thomas S. Ingra, P.E.
Laboratory Director
Florida License No. 31987

TSI/ed

8008 S. Orange Avenue 32809, Post Office Box 593003, Orlando, Florida 32859-3003 Phone (407) 855-3860 FAX (407) 859-8121
Offices in: Bartow, Baton Rouge, Cocoa, Fort Myers, Miami, New Orleans, Orlando, Port Charlotte, Port St. Lucie, Sarasota, Tallahassee, Tampa, W. Palm Beach

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 03/21/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **1A, 1961-1973'**

LABORATORY IDENTIFICATION NO.: 080311AV

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 91 (stable) %

- ☐ Beginning of Test;
- ☒ End of Test

$\Delta\sigma_c$ (psi): 2; 5; 7

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☐ Yes ☒ No

As-Received Length (inch): 5.3 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☒ Vertical ☐ Horizontal

SPECIFIC GRAVITY, G_s: 2.74

- ☐ Assumed
- ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
9.84	9.85	749.57	11.1	130.7	0.236	99	30	160	19	0.8	3	1570.0	11.2	100	**3.2 x 10-6**

COMMENTS: As-received total core length = 5.3"

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: TM Date: 04/29/08

Form SR-2B: Rev. 0

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 04/11/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: 1A, 1961-1973'

LABORATORY IDENTIFICATION NO.: 080311AH

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 93 (stable) % ☐ Beginning of Test; ☒ End of Test

$\Delta\sigma_c$ (psi): 4; 7; 12; 16

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☒ Yes ☐ No

As-Received Length (inch): 5.3 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☐ Vertical ☒ Horizontal

SPECIFIC GRAVITY, G_s: 2.74 ☐ Assumed ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
7.54	5.02	149.35	11.2	130.7	0.236	100	30	160	33	1.9	1	312.77	11.2	100	**1.2 x 10-5**

COMMENTS: Horizontal permeability test specimen cored from vertical permeability test specimen.

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: TM Date: 04/29/08

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 03/21/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **1B, 1961-1973'**

LABORATORY IDENTIFICATION NO.: 080311BV

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 93 (stable) % ☐ Beginning of Test; ☒ End of Test

$\Delta\sigma_c$ (psi): 3; 7; 10; 14

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☐ Yes ☒ No

As-Received Length (inch): 4.5 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☒ Vertical ☐ Horizontal

SPECIFIC GRAVITY, G_s: 2.74 ☐ Assumed ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
9.34	9.97	728.86	10.3	131.2	0.233	93	30	160	25	1.1	4	1531.9	10.3	93	**2.4 x 10-6**

COMMENTS: As-received total core length = 4.5"

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: TM Date: 04/29/08

Form SR-2B: Rev. 0

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 04/11/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **1B, 1961-1973'**

LABORATORY IDENTIFICATION NO.: 080311BH

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 87 (stable) %

- ☐ Beginning of Test;
- ☒ End of Test

$\Delta\sigma_c$ (psi): 3; 7; 10

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☒ Yes ☐ No

As-Received Length (inch): 4.5 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☐ Vertical ☒ Horizontal

SPECIFIC GRAVITY, G_s: 2.74

- ☐ Assumed
- ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
7.36	5.02	145.61	10.4	132.4	0.225	98	30	160	52	1.6	1	309.00	10.4	98	**8.6 x 10-6**

COMMENTS: Horizontal permeability test specimen cored from vertical permeability test specimen.

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: JM Date: 04/29/08

Form SR-2B: Rev. 0

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ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 03/21/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **2A, 2000-2015'**

LABORATORY IDENTIFICATION NO.: 080312AV

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 92 (stable) %

- ☐ Beginning of Test;
- ☒ End of Test

$\Delta\sigma_c$ (psi): 6; 11; 15

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☐ Yes ☒ No

As-Received Length (inch): 5.0 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☒ Vertical ☐ Horizontal

SPECIFIC GRAVITY, G_s: 2.72

- ☐ Assumed
- ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
9.81	9.89	752.60	13.7	122.4	0.279	97	30	160	23	0.6	6	1476.7	13.7	97	**7.1 x 10-6**

COMMENTS: As-received total core length = 5.0"

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: TM Date: 04/29/08

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 04/11/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **2A, 2000-2015'**

LABORATORY IDENTIFICATION NO.: 080312AH

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 78 (stable) % ☐ Beginning of Test; ☒ End of Test

$\Delta\sigma_c$ (psi): 4; 6; 9

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☒ Yes ☐ No

As-Received Length (inch): 5.0 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☐ Vertical ☒ Horizontal

SPECIFIC GRAVITY, G_s: 2.72 ☐ Assumed ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
7.24	5.02	142.91	13.5	122.9	0.276	96	30	160	39	0.6	1	281.43	13.7	98	**1.9 x 10-5**

COMMENTS: Horizontal permeability test specimen cored from vertical permeability test specimen.

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: TM Date: 04/29/08

Form SR-2B: Rev. 0

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 03/21/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **2B, 2000-2015'**

LABORATORY IDENTIFICATION NO.: 080312BV

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 100 % ☐ Beginning of Test; ☒ End of Test

$\Delta\sigma_c$ (psi): 4; 7; 11

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☐ Yes ☒ No

As-Received Length (inch): 4.0 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☒ Vertical ☐ Horizontal

SPECIFIC GRAVITY, G_s: 2.70 ☐ Assumed ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
8.20	9.63	596.76	14.1	120.1	0.287	94	30	160	35	1.3	4	1148.1	14.3	96	**5.9 x 10-6**

COMMENTS: As-received total core length = 4.0"

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: TM Date: 04/29/08

Form SR-2B: Rev. 0

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 04/13/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **2B, 2000-2015'**

LABORATORY IDENTIFICATION NO.: 080312BH

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 99 %

- ☐ Beginning of Test;
- ☒ End of Test

$\Delta\sigma_c$ (psi): 37

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☒ Yes ☐ No

As-Received Length (inch): 4.0 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☐ Vertical ☒ Horizontal

SPECIFIC GRAVITY, G_s: 2.70

- ☐ Assumed
- ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
7.26	5.02	143.43	14.3	121.3	0.280	99	30	160	54	0.8	2	278.80	14.3	99	**1.4 x 10-5**

COMMENTS: Horizontal permeability test specimen cored from vertical permeability test specimen.

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: TM Date: 04/29/08

Form SR-2B: Rev. 0

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ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 03/21/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **3C, 2065-2080'**

LABORATORY IDENTIFICATION NO.: 080313CV

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 97 %

- ☐ Beginning of Test;
- ☒ End of Test

$\Delta\sigma_c$ (psi): 3; 7; 10

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☐ Yes ☒ No

As-Received Length (inch): 7.5 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☒ Vertical ☐ Horizontal

SPECIFIC GRAVITY, G_s: 2.73

- ☐ Assumed
- ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
10.17	10.00	797.65	14.0	121.5	0.287	95	30	160	19	3.2	3	1553.2	14.1	96	**3.3 x 10-5**

COMMENTS: As-received total core length = 7.5"

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: TM Date: 04/24/08

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 04/11/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **3C, 2065-2080'**

LABORATORY IDENTIFICATION NO.: 080313CH

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 88 (stable) % ☐ Beginning of Test; ☒ End of Test

$\Delta\sigma_c$ (psi): 5; 9; 12

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☒ Yes ☐ No

As-Received Length (inch): 7.5 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☐ Vertical ☒ Horizontal

SPECIFIC GRAVITY, G_s: 2.73 ☐ Assumed ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
7.27	5.02	144.14	14.0	122.5	0.281	98	30	160	38	2.3	2	283.05	14.1	99	**4.1 x 10-5**

COMMENTS: Horizontal permeability test specimen cored from vertical permeability test specimen.

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: JM Date: 04/29/08

Form SR-2B: Rev. 0

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 03/21/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **3D, 2065-2080'**

LABORATORY IDENTIFICATION NO.: 080313DV

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 95 %

- ☐ Beginning of Test;
- ☒ End of Test

$\Delta\sigma_c$ (psi): 3; 7; 10; 14

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☐ Yes ☒ No

As-Received Length (inch): 7.0 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☒ Vertical ☐ Horizontal

SPECIFIC GRAVITY, G_s: 2.74

- ☐ Assumed
- ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
9.64	9.96	751.16	17.6	114.7	0.329	99	30	160	15	2.5	4	1381.0	17.6	99	**4.0 x 10-5**

COMMENTS: As-received total core length = 7.0"

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: TM Date: 04/29/08

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 04/11/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **3D, 2065-2080'**

LABORATORY IDENTIFICATION NO.: 080313DH

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 94 (stable) %

- ☐ Beginning of Test;
- ☒ End of Test

$\Delta\sigma_c$ (psi): 43

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☒ Yes ☐ No

As-Received Length (inch): 7.0 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☐ Vertical ☒ Horizontal

SPECIFIC GRAVITY, G_s: 2.74

- ☐ Assumed
- ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
7.46	5.02	147.62	17.4	114.5	0.330	97	30	160	47	3.4	4	270.83	17.6	98	**6.6 x 10-5**

COMMENTS: Horizontal permeability test specimen cored from vertical permeability test specimen.

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: JM Date: 04/29/08

Form SR-2B: Rev. 0

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 03/21/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **4B, 2161-2172'**

LABORATORY IDENTIFICATION NO.: 080314BV

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 99 % ☐ Beginning of Test; ☒ End of Test

$\Delta\sigma_c$ (psi): 2; 5; 7

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☐ Yes ☒ No

As-Received Length (inch): 6.5 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☒ Vertical ☐ Horizontal

SPECIFIC GRAVITY, G_s: 2.72 ☐ Assumed ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
9.99	9.97	780.50	10.8	130.5	0.231	98	30	160	31	1.5	3	1632.0	10.8	98	**1.9 x 10-7**

COMMENTS: As-received total core length = 6.5"

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: TH Date: 04/29/08

Form SR-2B: Rev. 0

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 04/11/08

DATE REPORTED: 04/29/08

INCOMING LABORATORY SAMPLE NO.: **4B, 2161-2172'**

LABORATORY IDENTIFICATION NO.: 080314BH

SAMPLE DESCRIPTION: Light Brown Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 90 (stable) % ☐ Beginning of Test; ☒ End of Test

$\Delta\sigma_c$ (psi): 3; 6; 9

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☒ Yes ☐ No

As-Received Length (inch): 6.5 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☐ Vertical ☒ Horizontal

SPECIFIC GRAVITY, G_s: 2.72 ☐ Assumed ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
7.35	5.02	145.30	10.6	130.1	0.233	95	30	160	58	0.9	1	303.05	10.8	97	**1.3 x 10-6**

COMMENTS: Horizontal permeability test specimen cored from vertical permeability test specimen.

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: TM Date: 04/29/08

Ardaman & Associates, Inc.

Geotechnical, Environmental and
Materials Consultants

May 22, 2008
File Number 08-031

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Attention: Wu Fei

Subject: Rock Core Testing, Lehigh Acres WWTP Injection Well, Florida

Dear Fei:

As requested, vertical and horizontal permeability and specific gravity tests have been completed on the one remaining core sample, designated Core 4A, 2161-2172', of the eight limestone core samples provided for testing by your firm. The samples were received on 02/08/08. Test results for the other seven samples were issued on 04/29/08.

The permeability tests were performed in general accordance with ASTM Standard D 5084 "Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter" using the constant head test method (Method A). The permeability test results are presented on the attached test reports.

The specific gravity test was performed in general accordance with ASTM Standard D 854 "Specific Gravity of Soil Solids by Water Pycnometer" on a test specimen ground to pass the U.S. Standard No. 40 sieve. The measured mineral specific gravity is presented on the attached reports.

The specimens were reported to be from the samples designated herein. The test results are indicative of only the specimens that were actually tested. The test results presented are based upon accepted industry practice as well as test method(s) listed. Ardaman & Associates, Inc. neither accepts responsibility for, nor makes claims to the final use and purpose of the material.

If you have any questions about the test results or require additional information, please contact us. We will forward additional test results as the tests are completed.

Very truly yours,
ARDAMAN & ASSOCIATES, INC.

Thomas S. Ingra, P.E.
Laboratory Director
Florida License No. 31987

TSI/ed

G \Projects\2008\08-031\08-031 Youngquist tsi 002 wpd

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 03/21/08

DATE REPORTED: 05/22/08

INCOMING LABORATORY SAMPLE NO.: **4A, 2161-2172'**

LABORATORY IDENTIFICATION NO.: 080314AV

SAMPLE DESCRIPTION: Brown Dolomitic Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 96 %

- ☐ Beginning of Test;
- ☒ End of Test

$\Delta\sigma_c$ (psi): 3; 7; 11

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☐ Yes ☒ No

As-Received Length (inch): 9.5 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☒ Vertical ☐ Horizontal

SPECIFIC GRAVITY, G_s: 2.84

- ☐ Assumed
- ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
9.91	10.06	787.07	2.5	159.3	0.101	62	30	160	107	4.8	17	2009.5	2.5	62	**1.5 x 10-9**

COMMENTS: As-received total core length = 9.5"

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: JM Date: 05/22/08

Form SR-2B: Rev. 0

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
ROCK CORE HYDRAULIC CONDUCTIVITY TEST REPORT

CLIENT: Youngquist Brothers, Inc.

PROJECT: Lehigh Acres WWTP Injection Well

FILE NO.: 08-031

DATE SAMPLE RECEIVED: 02/08/08 SET UP: 04/24/08

DATE REPORTED: 05/22/08

INCOMING LABORATORY SAMPLE NO.: **4A, 2161-2172'**

LABORATORY IDENTIFICATION NO.: 080314AH

SAMPLE DESCRIPTION: Brown Dolomitic Limestone

ASTM D 5084 TEST METHOD:

- ☒ A - Constant Head
- ☐ B - Falling Head; Constant Tailwater
- ☐ C - Falling Head; Rising Tailwater
- ☐ F - Constant Volume; Falling Head - Rising Tailwater

B-FACTOR: 99 % ☐ Beginning of Test; ☒ End of Test

$\Delta\sigma_c$ (psi): 15

SPECIMEN DATA:

As-Received Diameter (inch): 4 Diameter Trimmed: ☒ Yes ☐ No

As-Received Length (inch): 9.5 Length Trimmed: ☒ Yes ☐ No

TEST SPECIMEN ORIENTATION: ☐ Vertical ☒ Horizontal

SPECIFIC GRAVITY, G_s: 2.84 ☐ Assumed ☒ Measured (ASTM D 854)

PERMEANT: ☒ Deaired Tap Water ☐ Other

Initial Conditions							Test Conditions					Final Conditions			Hydraulic Conductivity
H (cm)	D (cm)	V (cm^3)	w_c (%)	γ_d (pcf)	n	S (%)	$\bar{\sigma}_c$ (psi)	u_b (psi)	i_{avg}	Q (cm^3)	t (days)	WDS (g)	w_c (%)	S (%)	k_{20} (cm/sec)
7.58	5.03	150.43	2.5	160.9	0.092	69	30	160	392	0.45	26	388.00	2.5	69	**4.0 x 10-11**

COMMENTS: Horizontal permeability test specimen cored from vertical permeability test specimen.

Where: H = Specimen height; D = Specimen diameter; V = Volume; WDS = Dry mass; w_c = Moisture content (ASTM D 2216); γ_d = Dry density; S = Saturation; $\bar{\sigma}_c$ = Isotropic effective confining stress; u_b = Back-pressure; i_{avg} = Average hydraulic gradient; Q = Flow volume; t = Test duration; k_{20} = Saturated hydraulic conductivity at 20°C; n = Total porosity; and G_s = Specific gravity.

Checked By: JM Date: 05/22/08

Form SR-2B: Rev. 0

APPENDIX H

Meter Certifications

CERTIFIED TEST REPORT

CUSTOMER: YOUNGQUIST BROTHERS

MODEL NO: MLI1-12

METER SERIAL NO: 953159

CONFIGURATION

METER INSIDE DIAMETER: 12

DIAL: GAL X 1000 5000 GPM

GEARS: 18 / 47

TOTALIZER GEARS: 40B+ / 24W

ACTUAL METER INDEX: 0.8536

TEST DATE: 11/13/2007

TEST FACILITY: Volumetric

CALIBRATION DATA

	FLOW RATE GPM	% ACCURACY
1	3058.00	98.68
2	1448.00	101.46
3	427.70	101.00

CERTIFIED BY: Paul Hobbs **DATE:** 11/13/2007

This calibration was performed on a primary or secondary test facility, traceable to the National Institute of Standards and Technology, USA. The estimated flow measurement uncertainty of the calibration facilities are:
Primary +/- 0.15% Secondary +/- 0.5%

McCROMETER
3255 WEST STETSON AVENUE
HEMET, CA 92545 USA
PHONE (951) 652-6811 / FAX (951) 652-3078
WEB SITE: http://www.mccrometer.com E-MAIL: info@mccrometer.com

953159

Printed by Don Hawley
11/13/2007 7:56:42 PM
Version 1.0 (3/9/2007)

BLUE
RIBBON

Blue Ribbon Sales & Servic
1940 Howell Branch Rd.
Winter Park, FL 32792

Phone: (877) 677-8899
Fax: (407) 657-6622
www.blueribboncorp.com

CALIBRATION CERTIFICATE
8/06/07

Youngquist Brothers, Inc
15465 Pine Ridge Rd.
Fort Myers, FL 33908

P.O. 25330

S/N: 032905-2

This certificate will certify that your gauge authorized for calibration on your Purchase Order 25330, tested this date, and is in calibration. The gauge tested is identified as a 6", McDaniel gauge 0-200 PSI.

This gauge was tested on a Mansfield & Green Deadweight Tester model T-100 Serial Number 11353, certified by QUALITY SYSTEMS LAB, INC., on August 24, 2006 to be accurate to within +/-.25%, traceable to NIST standards.

The subject gauge performed to within +/-1.5% accuracy.

Sincerely,

Juan Nova

Certificate of Calibration

 # KELC-35134

Kimball Electronic Laboratory, Inc.

Precision Measurement Equipment Specialists

Purchase Order # N/A

Calibration Performed By:

KIMBALL ELECTRONIC LABORATORY, INC
8081 W 21 LANE
HIALEAH, FL. 33016

For: YOU410

YOUNGQUIST BROTHERS, INC.
15465 PINE RIDGE ROAD
FT MYERS FL 33908

Equipment Information KELI I.D.: KEL-121005

Description:	UNKNOWN 200 PSI PRESSURE GAUGE
Manufacturer:	UNKNOWN
Model Number:	200 PSI
Part Number:	N/A
Range:	0-200 PSI
Serial Number:	032905-2
Customer I.D.:	032905-2
Cust. Barcode:	N/A
Cust. Location:	N/A
Specifications:	+/- 1.5 %

Cal Date:	15-Oct-07
Cal. Due Date:	15-Jan-08
Cal. Interval:	3 MONTHS
Received:	IN TOLERANCE
Calibration Result:	PASS
Environmental Conditions:	72 DEG F / 50 % RH
Performed By:	JULIO GARCIA
Procedure:	SYN54

This is to certify that the above listed instrument meets or exceeds all specifications as stated in the referenced procedure at the points tested (unless otherwise noted). It has been calibrated using measurement standards traceable to the National Institute of Standards and Technology (NIST), or to NIST accepted intrinsic standards of measurement, or derived by the ratio type of self-calibration techniques. This calibration is in accordance with Kimball Electonic Laboratory, Inc Quality Assurance Manual. KELI's Quality system is A2LA-Accredited to ISO/IEC-17025 and compliant with MIL-STD-45662A and ANSI/NCSL Z540-1-1994. TURS when applicable are greater than or equal to 4:1; with expanded uncertainty used to calculate the Test Uncertainty Ratio, with a coverage factor of K=2 at a confidence level of approximately 95%, unless otherwise noted.

Any number of factors may cause the calibration item to drift out of calibration before the recommended interval has expired.

Calibration Remarks

THIS UNIT WAS FOUND TO BE IN TOLERANCE AT THE TIME OF CALIBRATION.
PERFORMED ROUTINE CAL. NO ADJUSTMENTS REQUIRED

Standards Used To Calibrate Equipment

Company	I.D.	Description	Last Cal.	Cal. Due Date
KIM001	7057	EATON UPC5200 PRESSURE CALIBRATOR	04-Dec-06	31-Dec-07

Signatures:

Certified by: JULIO GARCIA 15-Oct-07 9:14:26 AM

Approved By: JAVIER BALCEIRO 15-Oct-07 9:15:09 AM

BLUE
RIBBON

Blue Ribbon Sales & Service
1940 Howell Branch Rd.
Winter Park, FL 32792

Phone: (877) 677-8899
Fax: (407) 657-6622
www.blueribboncorp.com

CALIBRATION CERTIFICATE
2/22/08

Youngquist Brothers, Inc
15465 Pine Ridge Rd.
Fort Myers, FL 33908

P.O. 27877

S/N: 021604-02

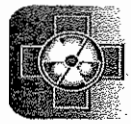
This certificate will certify that your gauge authorized for calibration on your Purchase Order 27877, tested this date, and is in calibration. The gauge tested is identified as a 6", Blue Ribbon Corp gauge 0-300 PSI.

This gauge was tested on a Mansfield & Green Deadweight Tester model T-100 Serial Number 11353, certified by GP:50 Mfg., Calibration expires on December 14, 2008 and is to be accurate to within +/-.25%, traceable to NIST standards.

The subject gauge performed to within +/-1.5% accuracy.

Sincerely,

Juan Nova



MEDTECH
DIAGNOSTIC SERVICES
NUCLEAR PROVIDERS

1840 BOY SCOUT DRIVE • FORT MYERS, FL 33907

MedTech Diagnostic Services/Triad
1840 Boy Scout Drive, Unit A
Fort Myers, FL 33907
(239) 277-0990 (800) 690-9098

Packing Slip

CustomerID: 00057 **Delivery Date:** 03/31/2008 **Delivery Time:** 06:00 **Container:** 1

Youngquist Brothers Inc.
15465 Pine Ridge Road
Fort Myers, FL 33908

Phone: (239) 489-4444

Container: 1

RECEIPT SECTION

Type of Package Received: ___ NONE ___ WHITE I ___ YELLOW II ___ YELLOW III

Survey Meter Serial #: _____
Background (mR/hr): _____
Surface Reading (mR/hr): _____
Trans. Index at 1 Meter: _____
Condition of Container: _____

Wipe Test Instrument Serial #: _____
Background (CPM): _____
Surface (CPM): _____
Surface (DPM): _____
Area (cm^2): _____

Received By: _____ **Date:** _____ **Time:** _____

RX #:	Product	Inj. Time	Cal. D/T	Qty	Amount Units	Inj. Amount	Patient	Returned
186737	I-131 Liquid	[ ]	04/01/2008 10:00	1	10.00 mCi	[ ]	MEDICINAL GRADE	

Item Count: 1

RX#186737
I – 131 Liquid
10 mCi
Cal Date 04/01/2008
Cal Time 10:00
MEDICINAL GRADE

MedTech Diagnostic Services/Triad (239) 277 – 0990 (800) 690 – 9088
1840 Boy Scout Drive, Unit A Fort Myers, FL 33907
RX#186737
Account Name: Youngquist Brothers Inc.
Delivery D/T: 03/31/2008 06:00 Container:001
Patient ———: MEDICINAL GRADE
Product ———: I – 131 Liquid
Procedure ——: Pipe Leak Test
Physician ———: Clay Ferguson
Ordered Amount: 10 mCi Quantity: 1 Inj. Amt: _____ mCi
Cal Date/Time – : 04/01/2008 10:00
Actual Amount – : 10.547 mCi Quantity: 1 Volume: 10.00 ml (1.05 mCi/ml)
Exp Date/Time - : 04/05/2008 11:00
Filled By: Geoff Becker BCNP
Lot #(s): 1030108A 0.027
NOTES: BLUE. NA THIO. FINAL 10CC. MEDICINAL GRADE

CAUTION: TO BE USED UNDER THE DIRECT SUPERVISION OF A PHYSICIAN

CAUTION
RADIOACTIVE MATERIALS

RX#186737
I – 131 Liquid
Youngquist Brothers Inc.
10 mCi **10:00**
MEDICINAL GRADE
04/01/2008 10:00
Box: 06:00 – 001

RX#186737
I – 131 Liquid
10 mCi
Cal Date 04/01/2008
Cal Time 10:00
MEDICINAL GRADE

MedTech Diagnostic Services/Triad (239) 277 – 0990 (800) 690 – 9088
1840 Boy Scout Drive, Unit A Fort Myers, FL 33907
RX#186737
Account Name: Youngquist Brothers Inc.
Delivery D/T: 03/31/2008 06:00 Container:001
Patient ———: MEDICINAL GRADE
Product ———: I – 131 Liquid
Procedure ——: Pipe Leak Test
Physician ———: Clay Ferguson
Ordered Amount: 10 mCi Quantity: 1 Inj. Amt: _____ mCi
Cal Date/Time – : 04/01/2008 10:00
Actual Amount – : 10.547 mCi Quantity: 1 Volume: 10.00 ml (1.05 mCi/ml)
Exp Date/Time - : 04/05/2008 11:00
Filled By: Geoff Becker BCNP
Lot #(s): 1030108A 0.027
NOTES: BLUE. NA THIO. FINAL 10CC. MEDICINAL GRADE

CAUTION: TO BE USED UNDER THE DIRECT SUPERVISION OF A PHYSICIAN

CAUTION
RADIOACTIVE MATERIALS

APPENDIX I

Packer Test
Water Quality Laboratory Reports

LZMW-1B

Client Project: Lehigh
Lab Project: F0708218
Report Date: 08/23/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
F0708218-01	PACKER TEST #1 GRAB	Ground Water	8/20/07 11:40	8/18/07 9:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Ammonia	SM4500-NH3-D	0.37		0.05	mg/L as N	8/22/07 16:30	AG	E84380
Chloride	4500Cl-B	20000		1	mg/L	8/23/07 15:20	SS	E85457
Conductivity	120.1	46800		1	µmhos/cm	8/20/07 13:20	SS	E85457
Nitrogen, Total Kjeldahl	351.2	1.14		0.10	mg/L as N	8/23/07 9:55	SJ	E84380
pH	SM4500H-B	7.27	Q	0.01	std	8/20/07 12:00	SS	E85457
[illegible]	ASTM-D516-90	2290		2	mg/L	8/22/07 18:45	SS	E85457
Total Dissolved Solids	SM2540C	34400		20	mg/L	8/20/07 15:00	SS	E85457

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
F0708218-02	PACKER TEST # 2 GRAB	Ground Water	8/20/07 11:40	8/19/07 10:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Ammonia	SM4500-NH3-D	0.71		0.05	mg/L as N	8/22/07 16:30	AG	E84380
Chloride	4500Cl-B	8750		1	mg/L	8/23/07 15:20	SS	E85457
Conductivity	120.1	21500		1	µmhos/cm	8/20/07 13:20	SS	E85457
Nitrogen, Total Kjeldahl	351.2	1.00		0.10	mg/L as N	8/23/07 9:55	SJ	E84380
pH	SM4500H-B	7.37	Q	0.01	std	8/20/07 12:01	SS	E85457
Sulfate	ASTM-D516-90	609		2	mg/L	8/22/07 18:45	SS	E85457
Total Dissolved Solids	SM2540C	15400		20	mg/L	8/20/07 15:00	SS	E85457

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh
Lab Project: F0708229
Report Date: 08/24/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
F0708229-01	Packer Test #3 Grab	Ground Water	8/21/07 8:20	8/20/07 19:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Ammonia	SM4500-NH3-D	0.46		0.05	mg/L as N	8/22/07 16:30	AG	E84380
Chloride	4500Cl-B	2130		1	mg/L	8/23/07 15:20	SS	E85457
Conductivity	120.1	5360		1	µmhos/cm	8/22/07 15:00	KM/NC	E85457
Nitrogen, Total Kjeldahl	351.2	0.60	J3	0.10	mg/L as N	8/23/07 9:55	SJ	E84380
pH	SM4500H-B	8.05	Q	0.01	std units	8/21/07 17:07	NC	E85457
ate	ASTM-D516-90	426		2	mg/L	8/22/07 18:45	SS	E85457
Total Dissolved Solids	SM2540C	3460		20	mg/L	8/23/07 9:45	NC	E85457

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Kohopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh
Lab Project: F0708239
Report Date: 08/24/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
F0708239-01	Packer Test #4 Grab	Ground Water	8/21/07 14:52	8/21/07 12:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Ammonia	SM4500-NH3-D	0.39		0.05	mg/L as N	8/22/07 16:30	AG	E84380
Chloride	4500Cl-B	1230		1	mg/L	8/23/07 15:20	SS	E85457
Conductivity	120.1	4050		1	µmhos/cm	8/22/07 15:00	KM/NC	E85457
Nitrogen, Total Kjeldahl	351.2	0.53	J3	0.10	mg/L as N	8/23/07 9:55	SJ	E84380
pH	SM4500H-B	7.96	Q	0.01	std units	8/21/07 17:07	NC	E85457
Sulfate	ASTM-D516-90	466		2	mg/L	8/22/07 18:45	SS	E85457
otal Dissolved Solids	SM2540C	2330		20	mg/L	8/23/07 9:45	NC	E85457

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

APPENDIX J

Packer Test
Water Quality Laboratory Reports

DIW-1

Client Project: Lehigh Acres WWTP
Lab Project: N0802013
Report Date: 02/04/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802013-01	Packer Test #1 1940-1970 grab	Ground Water	2/3/08 10:50	2/3/08 8:05

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Ammonia	SM4500-NH3-D	0.09	I	0.05	mg/L as N	2/4/08 9:00	AV	E84380
Chloride	SM4500Cl-B	18500		1	mg/L	2/3/08 13:10	BB	E84380
Nitrogen, Total Kjeldahl	EPA351.2	0.30	I	0.10	mg/L as N	2/3/08 15:47	BB	E84380
pH	SM4500H-B	7.40	Q	0.01	std units	2/3/08 13:00	BB	E84380
Specific Conductivity	SM2510B	51100		0.1	µmhos/cm	2/3/08 12:05	BB	E84380
Sulfate	ASTM-D516-90	2600		2	mg/L	2/3/08 12:11	BB	E84380
Total Dissolved Solids	SM2540C	28900		20	mg/L	2/3/08 12:30	BB	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0802040
Report Date: 02/05/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID:	Sample Description:	Sample Source:	Received Date/Time:	Sample Date/Time:
N0802040-01	Packer Test #2 (1885-1915) grab	Ground Water	2/4/08 15:00	2/4/08 5:00

Analysis	Method	Results	Qual	Detection Limit	Units	Analysis Date/Time	Analyst	Cert ID
Ammonia	SM4500-NH3-D	0.08	I	0.05	mg/L as N	2/5/08 10:30	AV	E84380
Chloride	SM4500Cl-B	16600		1	mg/L	2/5/08 10:15	BB	E84380
Nitrogen, Total Kjeldahl	EPA351.2	0.36	I,J3	0.10	mg/L as N	2/5/08 9:33	AV	E84380
pH	SM4500H-B	7.34	Q	0.01	std units	2/4/08 16:15	AS	E84380
Specific Conductivity	SM2510B	* 45600		0.1	µmhos/cm	2/5/08 9:00	BB	E84380
Sulfate	ASTM-D516-90	2800		2	mg/L	2/5/08 17:41	AV	E84380
Total Dissolved Solids	SM2540C	25100	J3	20	mg/L	2/4/08 16:30	AS	E84380

Approved by:

Comments:

Kathrine Bartideps, Lab Manager Fort Myers
Andrew Konopacki, Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0802092
Report Date: 02/07/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802092-01	Packer #4 (2130-2230) grab	Ground Water	2/6/08 14:00	2/5/08 19:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Ammonia	SM4500-NH3-D	0.23		0.05	mg/L as N	2/7/08 10:45	AV	E84380
Chloride	SM4500Cl-B	18500		1	mg/L	2/7/08 9:20	BB	E84380
Nitrogen, Total Kjeldahl	EPA351.2	0.37	I	0.10	mg/L as N	2/7/08 9:43	AV	E84380
pH	SM4500H-B	7.25	Q	0.01	std units	2/6/08 15:30	AS	E84380
Specific Conductivity	SM2510B	53600		0.1	µmhos/cm	2/7/08 9:00	BB	E84380
Sulfate	ASTM-D516-90	3420		2	mg/L	2/6/08 17:32	AV	E84380
Total Dissolved Solids	SM2540C	30700		20	mg/L	2/6/08 17:30	AS	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0802062
Report Date: 02/06/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802062-01	Packer Test #3 (1990-2088) grab	Ground Water	2/5/08 14:45	2/5/08 4:00

Analysis	Method	Results	Qual	Detection Limit	Units	Analysis Date/Time	Analyst	Cert ID
Ammonia	SM4500-NH3-D	0.10	I	0.05	mg/L as N	2/6/08 11:00	AV	E84380
Chloride	SM4500Cl-B	19200		1	mg/L	2/6/08 11:00	BB	E84380
Nitrogen, Total Kjeldahl	EPA351.2	0.31	I	0.10	mg/L as N	2/6/08 9:03	AV	E84380
pH	SM4500H-B	7.29	Q	0.01	std units	2/5/08 15:00	BB	E84380
Specific Conductivity	SM2510B	56700		0.1	µmhos/cm	2/6/08 9:20	BB	E84380
Sulfate	ASTM-D516-90	2400		2	mg/L	2/5/08 16:56	AV	E84380
otal Dissolved Solids	SM2540C	30300		20	mg/L	2/5/08 15:30	AS	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

APPENDIX K

Monitor Wells
Water Quality Laboratory Reports

SMW-1
SMW-2
SMW-3
SMW-4

Client Project: Lehigh Acres WWTP
Lab Project: N0706013
Report Date: 06/06/07

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706013-01	SMW #3-SE grab	Ground Water	6/1/07 15:45	6/1/07 13:40

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.6		0.1	C	6/1/07 13:40	HC	E84380
Chloride	4500Cl-B	95		1	mg/L	6/5/07 14:30	BB	E84380
Dissolved Oxygen-field	360.1	1.88		0.01	mg/L	6/1/07 13:40	HC	E84380
H - field	150.1	6.24		0.01	std units	6/1/07 13:40	HC	E84380
Specific Conductance-field	120.1	1270		0.1	µmhos/cm	6/1/07 13:40	HC	E84380
Turbidity - field	180.1	1.1		0.1	NTU	6/1/07 13:40	HC	E84380
Water Level-field	DEPSOP	8.75		0.01	feet	6/1/07 13:40	HC	E84380
Water Temperature-field	170.1	25.3		0.1	C	6/1/07 13:40	HC	E84380
Weather-field	DEPSOP	rain		n/a	none	6/1/07 13:40	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706013-02	SMW #4-SW grab	Ground Water	6/1/07 15:45	6/1/07 12:50

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.6		0.1	C	6/1/07 12:50	HC	E84380
Chloride	4500Cl-B	115		1	mg/L	6/5/07 14:30	BB	E84380
Dissolved Oxygen-field	360.1	1.87		0.01	mg/L	6/1/07 12:50	HC	E84380
pH - field	150.1	6.23		0.01	std units	6/1/07 12.50	HC	E84380
fic Conductance-field	120.1	1280		0.1	µmhos/cm	6/1/07 12:50	HC	E84380
Turbidity - field	180.1	0.71		0.1	NTU	6/1/07 12:50	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0706013
Report Date: 06/06/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Tim
N0706013-02	SMW #4-SW grab	Ground Water	6/1/07 15:45	6/1/07 12:50

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Water Level-field	DEPSOP	8.84		0.01	feet	6/1/07 12:50	HC	E84380
Water Temperature-field	170.1	25.3		0.1	C	6/1/07 12:50	HC	E84380
Weather-field	DEPSOP	rain		n/a	none	6/1/07 12:50	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706013-03	SMW #1-NE grab	Ground Water	6/1/07 15:45	6/1/07 14:09

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.6		0.1	C	6/1/07 14:09	HC	E84380
Chloride	4500Cl-B	95		1	mg/L	6/5/07 14:30	BB	E84380
Dissolved Oxygen-field	360.1	2.21		0.01	mg/L	6/1/07 14:09	HC	E84380
pH - field	150.1	6.34		0.01	std units	6/1/07 14:09	HC	E84380
Specific Conductance-field	120.1	1200		0.1	µmhos/cm	6/1/07 14:09	HC	E84380
Turbidity - field	180.1	0.1		0.1	NTU	6/1/07 14:09	HC	E84380
Water Level-field	DEPSOP	9.11		0.01	feet	6/1/07 14:09	HC	E84380
Water Temperature-field	170.1	24.8		0.1	C	6/1/07 14:09	HC	E84380
Weather-field	DEPSOP	rain		n/a	none	6/1/07 14:09	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706013-04	SMW #2-NW grab	Ground Water	6/1/07 15:45	6/1/07 13:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.6		0.1	C	6/1/07 13:15	HC	E84380
oride	4500Cl-B	120		1	mg/L	6/5/07 14:30	BB	E84380
Dissolved Oxygen-field	360.1	2.70		0.01	mg/L	6/1/07 13:15	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0706013
Report Date: 06/06/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Tim
N0706013-04	SMW #2-NW grab	Ground Water	6/1/07 15:45	6/1/07 13:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
pH - field	150.1	6.37		0.01	std units	6/1/07 13:15	HC	E84380
Specific Conductance-field	120.1	1220		0.1	µmhos/cm	6/1/07 13:15	HC	E84380
Turbidity - field	180.1	0.81		0.1	NTU	6/1/07 13:15	HC	E84380
Water Level-field	DEPSOP	8.96		0.01	feet	6/1/07 13:15	HC	E84380
Water Temperature-field	170.1	24.7		0.1	C	6/1/07 13:15	HC	E84380
Weather-field	DEPSOP	rain		n/a	none	6/1/07 13:15	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0705419
Report Date: 06/06/07

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0705419-01	NE grab SMW-1	Ground Water	5/24/07 7:30	5/23/07 15:11

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.7		0.1	C	5/23/07 15:11	HC	E84380
Chloride	4500Cl-B	105		1	mg/L	5/24/07 14:30	BB	E84380
Dissolved Oxygen-field	360.1	2.19		0.01	mg/L	5/23/07 15:11	HC	E84380
H - field	150.1	6.39		0.01	std units	5/23/07 15:11	HC	E84380
Specific Conductance-field	120.1	1010		0.1	µmhos/cm	5/23/07 15:11	HC	E84380
Turbidity - field	180.1	15.9		0.1	NTU	5/23/07 15:11	HC	E84380
Water Level-field	DEPSOP	9.05		0.01	feet	5/23/07 15:11	HC	E84380
Water Temperature-field	170.1	25.6		0.1	C	5/23/07 15:11	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	5/23/07 15:11	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0705419-02	NW grab MW-2	Ground Water	5/24/07 7:30	5/23/07 15:33

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.7		0.1	C	5/23/07 15:33	HC	E84380
Chloride	4500Cl-B	130		1	mg/L	5/24/07 14:30	BB	E84380
Dissolved Oxygen-field	360.1	2.07		0.01	mg/L	5/23/07 15:33	HC	E84380
pH - field	150.1	6.48		0.01	std units	5/23/07 15:33	HC	E84380
Specific Conductance-field	120.1	1020		0.1	µmhos/cm	5/23/07 15:33	HC	E84380
Turbidity - field	180.1	5.3		0.1	NTU	5/23/07 15:33	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0705419
Report Date: 06/06/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Tin
N0705419-02	NW grab SMW 2	Ground Water	5/24/07 7:30	5/23/07 15:33

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Water Level-field	DEPSOP	8.83		0.01	feet	5/23/07 15:33	HC	E84380
Water Temperature-field	170.1	25.6		0.1	C	5/23/07 15:33	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	5/23/07 15:33	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0705419-03	SW grab SMW 4	Ground Water	5/24/07 7:30	5/23/07 16:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.7		0.1	C	5/23/07 16:00	HC	E84380
Chloride	4500Cl-B	105		1	mg/L	5/24/07 14:30	BB	E84380
Dissolved Oxygen-field	360.1	2.14		0.01	mg/L	5/23/07 16:00	HC	E84380
pH - field	150.1	6.37		0.01	std units	5/23/07 16:00	HC	E84380
Specific Conductance-field	120.1	1080		0.1	µmhos/cm	5/23/07 16:00	HC	E84380
Turbidity - field	180.1	12.8		0.1	NTU	5/23/07 16:00	HC	E84380
Water Level-field	DEPSOP	9.15		0.01	feet	5/23/07 16:00	HC	E84380
Water Temperature-field	170.1	26.1		0.1	C	5/23/07 16:00	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	5/23/07 16:00	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0705419-04	SE grab SMW 3	Ground Water	5/24/07 7:30	5/23/07 14:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.7		0.1	C	5/23/07 14:30	HC	E84380
loride	4500Cl-B	90		1	mg/L	5/24/07 14:30	BB	E84380
Dissolved Oxygen-field	360.1	2.21		0.01	mg/L	5/23/07 14:30	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0705419
Report Date: 06/06/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Tir
N0705419-04	SE grab	Ground Water	5/24/07 7:30	5/23/07 14:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
pH - field	150.1	6.35		0.01	std units	5/23/07 14:30	HC	E84380
Specific Conductance-field	120.1	1060		0.1	µmhos/cm	5/23/07 14:30	HC	E84380
Turbidity - field	180.1	29.8		0.1	NTU	5/23/07 14:30	HC	E84380
Water Level-field	DEPSOP	9.81		0.01	feet	5/23/07 14:30	HC	E84380
Water Temperature-field	170.1	25.9		0.1	C	5/23/07 14:30	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	5/23/07 14:30	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0706088
Report Date: 06/13/07

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706088-01	SMW-1 NE grab	Ground Water	6/8/07 14:37	6/8/07 12:44

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.7		0.1	C	6/8/07 12:44	HC	E84380
Chloride	4500Cl-B	105		1	mg/L	6/12/07 12:45	BB	E84380
Dissolved Oxygen-field	360.1	2.31		0.01	mg/L	6/8/07 12:44	HC	E84380
pH - field	150.1	6.30		0.01	std units	6/8/07 12:44	HC	E84380
Specific Conductance-field	120.1	1070		0.1	µmhos/cm	6/8/07 12:44	HC	E84380
Turbidity - field	180.1	1.8		0.1	NTU	6/8/07 12:44	HC	E84380
Water Level-field	DEPSOP	8.83		0.01	feet	6/8/07 12:44	HC	E84380
Water Temperature-field	170.1	26.2		0.1	C	6/8/07 12:44	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	6/8/07 12:44	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706088-02	SMW-2 NW grab	Ground Water	6/8/07 14:37	6/8/07 13:23

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.7		0.1	C	6/8/07 13:23	HC	E84380
Chloride	4500Cl-B	125		1	mg/L	6/12/07 12:45	BB	E84380
Dissolved Oxygen-field	360.1	2.17		0.01	mg/L	6/8/07 13:23	HC	E84380
pH - field	150.1	6.49		0.01	std units	6/8/07 13:23	HC	E84380
Specific Conductance-field	120.1	1090		0.1	µmhos/cm	6/8/07 13:23	HC	E84380
Turbidity - field	180.1	0.6		0.1	NTU	6/8/07 13:23	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0706088
Report Date: 06/13/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706088-02	SMW-2 NW grab	Ground Water	6/8/07 14:37	6/8/07 13:23

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Water Level-field	DEPSOP	8.77		0.01	feet	6/8/07 13:23	HC	E84380
Water Temperature-field	170.1	25.6		0.1	C	6/8/07 13:23	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	6/8/07 13:23	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706088-03	SMW-3 SE grab	Ground Water	6/8/07 14:37	6/8/07 12:19

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.7		0.1	C	6/8/07 12:19	HC	E84380
Chloride	4500Cl-B	110		1	mg/L	6/12/07 12:45	BB	E84380
Dissolved Oxygen-field	360.1	2.46		0.01	mg/L	6/8/07 12:19	HC	E84380
pH - field	150.1	6.37		0.01	std units	6/8/07 12:19	HC	E84380
Specific Conductance-field	120.1	1120		0.1	µmhos/cm	6/8/07 12:19	HC	E84380
Turbidity - field	180.1	42.2		0.1	NTU	6/8/07 12:19	HC	E84380
Water Level-field	DEPSOP	7.44		0.01	feet	6/8/07 12:19	HC	E84380
Water Temperature-field	170.1	26.2		0.1	C	6/8/07 12:19	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	6/8/07 12:19	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706088-04	SMW-4 SW grab	Ground Water	6/8/07 14:37	6/8/07 13:04

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.7		0.1	C	6/8/07 13:04	HC	E84380
oride	4500Cl-B	100		1	mg/L	6/12/07 12:45	BB	E84380
Dissolved Oxygen-field	360.1	2.04		0.01	mg/L	6/8/07 13:04	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0706088
Report Date: 06/13/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706088-04	SMW-4 SW grab	Ground Water	6/8/07 14:37	6/8/07 13:04

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
pH - field	150.1	6.37		0.01	std units	6/8/07 13:04	HC	E84380
Specific Conductance-field	120.1	1130		0.1	µmhos/cm	6/8/07 13:04	HC	E84380
Turbidity - field	180.1	0.5		0.1	NTU	6/8/07 13:04	HC	E84380
Water Level-field	DEPSOP	9.17		0.01	feet	6/8/07 13:04	HC	E84380
Water Temperature-field	170.1	26.1		0.1	C	6/8/07 13:04	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	6/8/07 13:04	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0706153
Report Date: 06/20/07

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

N0706153-01 SMW-1 NE grab — Ground Water — 6/15/07 15:15 — 6/15/07 13:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.2		0.1	C	6/15/07 13:15	HC	E84380
Chloride	4500Cl-B	70		1	mg/L	6/19/07 14:00	BB	E84380
Dissolved Oxygen-field	360.1	2.10		0.01	mg/L	6/15/07 13:15	HC	E84380
pH - field	150.1	6.45		0.01	std units	6/15/07 13:15	HC	E84380
Specific Conductance-field	120.1	979		0.1	µmhos/cm	6/15/07 13:15	HC	E84380
Turbidity - field	180.1	3.0		0.1	NTU	6/15/07 13:15	HC	E84380
Water Level-field	DEPSOP	8.83		0.01	feet	6/15/07 13:15	HC	E84380
Water Temperature-field	170.1	26.0		0.1	C	6/15/07 13:15	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	6/15/07 13:15	HC	E84380

N0706153-02 SMW-2 NW grab — Ground Water — 6/15/07 15:15 — 6/15/07 13:35

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.3		0.1	C	6/15/07 13:35	HC	E84380
Chloride	4500Cl-B	115		1	mg/L	6/19/07 14:00	BB	E84380
Dissolved Oxygen-field	360.1	2.01		0.01	mg/L	6/15/07 13:35	HC	E84380
pH - field	150.1	6.34		0.01	std units	6/15/07 13:35	HC	E84380
Specific Conductance-field	120.1	1020		0.1	µmhos/cm	6/15/07 13:35	HC	E84380
Turbidity - field	180.1	4.0		0.1	NTU	6/15/07 13:35	HC	E84380

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Client Project: Lehigh Acres WWTP
Lab Project: N0706153
Report Date: 06/20/07

Laboratory Results

N0706153-02 SMW-2 NW grab — Ground Water — 6/15/07 15:15 — 6/15/07 13:35

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Water Level-field	DEPSOP	8.55		0.01	feet	6/15/07 13:35	HC	E84380
Water Temperature-field	170.1	26.1		0.1	C	6/15/07 13:35	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	6/15/07 13:35	HC	E84380

N0706153-03 SMW-3 SE grab — Ground Water — 6/15/07 15:15 — 6/15/07 12:45

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.2		0.1	C	6/15/07 12:55	HC	E84380
Chloride	4500Cl-B	115		1	mg/L	6/19/07 14:00	BB	E84380
Dissolved Oxygen-field	360.1	2.45		0.01	mg/L	6/15/07 12:55	HC	E84380
pH - field	150.1	6.67		0.01	std units	6/15/07 12:55	HC	E84380
Specific Conductance-field	120.1	856		0.1	µmhos/cm	6/15/07 12:55	HC	E84380
Turbidity - field	180.1	10.8		0.1	NTU	6/15/07 12:55	HC	E84380
Water Level-field	DEPSOP	7.21		0.01	feet	6/15/07 12:55	HC	E84380
Water Temperature-field	170.1	26.6		0.1	C	6/15/07 12:55	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	6/15/07 12:55	HC	E84380

N0706153-04 SMW-4 SW grab — Ground Water — 6/15/07 15:15 — 6/15/07 12:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.1		0.1	C	6/15/07 12:20	HC	E84380
Chloride	4500Cl-B	115		1	mg/L	6/19/07 14:00	BB	E84380
Dissolved Oxygen-field	360.1	2.40		0.01	mg/L	6/15/07 12:20	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0706393
Report Date: 06/27/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706393-01	SMW-1 NE grab	Ground Water	6/22/07 12:54	6/22/07 10:45

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	6/22/07 10:45	HC	E84380
Chloride	4500Cl-B	105		1	mg/L	6/26/07 10:00	AK	E84380
Dissolved Oxygen-field	360.1	1.78		0.01	mg/L	6/22/07 10:45	HC	E84380
pH - field	150.1	7.43		0.01	std units	6/22/07 10:45	HC	E84380
Specific Conductance-field	120.1	1060		0.1	µmhos/cm	6/22/07 10:45	HC	E84380
Turbidity - field	180.1	8.6		0.1	NTU	6/22/07 10:45	HC	E84380
Water Level-field	DEPSOP	8.41		0.01	feet	6/22/07 10:45	HC	E84380
Water Temperature-field	170.1	25.8		0.1	C	6/22/07 10:45	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	6/22/07 10:45	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706393-02	SMW-2 NW grab	Ground Water	6/22/07 12:54	6/22/07 10:25

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	6/22/07 10:25	HC	E84380
Chloride	4500Cl-B	125		1	mg/L	6/26/07 10:00	AK	E84380
Dissolved Oxygen-field	360.1	1.79		0.01	mg/L	6/22/07 10:25	HC	E84380
pH - field	150.1	7.42		0.01	std units	6/22/07 10:25	HC	E84380
Specific Conductance-field	120.1	1120		0.1	µmhos/cm	6/22/07 10:25	HC	E84380
Turbidity - field	180.1	2.1		0.1	NTU	6/22/07 10:25	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0706393
Report Date: 06/27/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706393-02	SMW-2 NW grab	Ground Water	6/22/07 12:54	6/22/07 10:25

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Water Level-field	DEPSOP	8.25		0.01	feet	6/22/07 10:25	HC	E84380
Water Temperature-field	170.1	25.8		0.1	C	6/22/07 10:25	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	6/22/07 10:25	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706393-03	SMW-4 SW grab	Ground Water	6/22/07 12:54	6/22/07 10:05

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	6/22/07 10:05	HC	E84380
Chloride	4500Cl-B	105		1	mg/L	6/26/07 10:00	AK	E84380
Dissolved Oxygen-field	360.1	1.78		0.01	mg/L	6/22/07 10:05	HC	E84380
pH - field	150.1	7.05		0.01	std units	6/22/07 10:05	HC	E84380
Specific Conductance-field	120.1	1160		0.1	µmhos/cm	6/22/07 10:05	HC	E84380
Turbidity - field	180.1	1.6		0.1	NTU	6/22/07 10:05	HC	E84380
Water Level-field	DEPSOP	8.52		0.01	feet	6/22/07 10:05	HC	E84380
Water Temperature-field	170.1	26.3		0.1	C	6/22/07 10:05	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	6/22/07 10:05	HC	E84380

Approved by:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Comments: No access to well # 3, buried under pipe.

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0706486
Report Date: 07/06/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706486-01	SMW #1 grab	Ground Water	6/29/07 15:40	6/29/07 12:55

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.7		0.1	C	6/29/07 12:55	HC	E84380
Chloride	4500Cl-B	95		1	mg/L	7/3/07 13:00	BB	E84380
Dissolved Oxygen-field	360.1	2.46		0.01	mg/L	6/29/07 12:55	HC	E84380
pH - field	150.1	7.00		0.01	std units	6/29/07 12:55	HC	E84380
pecific Conductance-field	120.1	1150		0.1	µmhos/cm	6/29/07 12:55	HC	E84380
Turbidity - field	180.1	10.5		0.1	NTU	6/29/07 12:55	HC	E84380
Water Level-field	DEPSOP	8.57		0.01	feet	6/29/07 12:55	HC	E84380
Water Temperature-field	170.1	29.1		0.1	C	6/29/07 12:55	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	6/29/07 12:55	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706486-02	SMW #2 grab	Ground Water	6/29/07 15:40	6/29/07 12:05

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.7		0.1	C	6/29/07 12:05	HC	E84380
Chloride	4500Cl-B	127		1	mg/L	7/3/07 13:00	BB	E84380
Dissolved Oxygen-field	360.1	2.42		0.01	mg/L	6/29/07 12:05	HC	E84380
pH - field	150.1	7.28		0.01	std units	6/29/07 12:05	HC	E84380
Specific ductance-field	120.1	1160		0.1	µmhos/cm	6/29/07 12:05	HC	E84380
Turbidity - field	180.1	1.5		0.1	NTU	6/29/07 12:05	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0706486
Report Date: 07/06/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Tim
N0706486-02	SMW #2 grab	Ground Water	6/29/07 15:40	6/29/07 12:05

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Water Level-field	DEPSOP	8.10		0.01	feet	6/29/07 12:05	HC	E84380
Water Temperature-field	170.1	26.3		0.1	C	6/29/07 12:05	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	6/29/07 12:05	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706486-03	SMW #3 grab	Ground Water	6/29/07 15:40	6/29/07 12:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.7		0.1	C	6/29/07 12:30	HC	E84380
Chloride	4500Cl-B	97		1	mg/L	7/3/07 13:00	BB	E84380
Dissolved Oxygen-field	360.1	2.49		0.01	mg/L	6/29/07 12:30	HC	E84380
pH - field	150.1	7.36		0.01	std units	6/29/07 12:30	HC	E84380
Specific Conductance-field	120.1	1190		0.1	µmhos/cm	6/29/07 12:30	HC	E84380
Turbidity - field	180.1	33.4		0.1	NTU	6/29/07 12:30	HC	E84380
Water Level-field	DEPSOP	7.05		0.01	feet	6/29/07 12:30	HC	E84380
Water Temperature-field	170.1	26.7		0.1	C	6/29/07 12:30	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	6/29/07 12:30	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0706486-04	SMW #4 grab	Ground Water	6/29/07 15:40	6/29/07 11:35

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.7		0.1	C	6/29/07 11:35	HC	E84380
Chloride	4500Cl-B	117		1	mg/L	7/3/07 13:00	BB	E84380
Dissolved Oxygen-field	360.1	2.69		0.01	mg/L	6/29/07 11:35	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0706486
Report Date: 07/06/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Tim
N0706486-04	SMW #4 grab	Ground Water	6/29/07 15:40	6/29/07 11:35

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
pH - field	150.1	7.32		0.01	std units	6/29/07 11:35	HC	E84380
Specific Conductance-field	120.1	1210		0.1	µmhos/cm	6/29/07 11:35	HC	E84380
Turbidity - field	180.1	2.5		0.1	NTU	6/29/07 11:35	HC	E84380
Water Level-field	DEPSOP	8.70		0.01	feet	6/29/07 11:35	HC	E84380
Water Temperature-field	170.1	26.7		0.1	C	6/29/07 11:35	HC	E84380
Weather-field	DEPSOP	), cloudy		n/a	none	6/29/07 11:35	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0707070
Report Date: 07/11/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707070-01	SMW #1 grab	Ground Water	7/7/07 11:00	7/6/07 9:55

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.1		0.1	C	7/6/07 9:55	HC	E84380
Chloride	4500Cl-B	100		1	mg/L	7/9/07 13:45	BB	E84380
Dissolved Oxygen-field	360.1	1.52		0.01	mg/L	7/6/07 9:55	HC	E84380
- field	150.1	6.91		0.01	std units	7/6/07 9:55	HC	E84380
Specific Conductance-field	120.1	991		0.1	µmhos/cm	7/6/07 9:55	HC	E84380
Turbidity - field	180.1	2.4		0.1	NTU	7/6/07 9:55	HC	E84380
Water Level-field	DEPSOP	7.64		0.01	feet	7/6/07 9:55	HC	E84380
Water Temperature-field	170.1	26.3		0.1	C	7/6/07 9:55	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	7/6/07 9:55	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707070-02	SMW #2 grab	Ground Water	7/7/07 11:00	7/6/07 9:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.0		0.1	C	7/6/07 9:20	HC	E84380
Chloride	4500Cl-B	120		1	mg/L	7/9/07 13:45	BB	E84380
Dissolved Oxygen-field	360.1	1.76		0.01	mg/L	7/6/07 9:20	HC	E84380
pH - field	150.1	6.95		0.01	std units	7/6/07 9:20	HC	E84380
Co. ..ctance-field	120.1	1060		0.1	µmhos/cm	7/6/07 9:20	HC	E84380
Turbidity - field	180.1	0.7		0.1	NTU	7/6/07 9:20	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0707070
Report Date: 07/11/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707070-02	SMW #2 grab	Ground Water	7/7/07 11:00	7/6/07 9:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Water Level-field	DEPSOP	7.29		0.01	feet	7/6/07 9:20	HC	E84380
Water Temperature-field	170.1	26.2		0.1	C	7/6/07 9:20	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	7/6/07 9:20	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707070-03	SMW #3 grab	Ground Water	7/7/07 11:00	7/6/07 10:10

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
.ir Temperature-field	170.1	30.1		0.1	C	7/6/07 10:10	HC	E84380
Chloride	4500Cl-B	77		1	mg/L	7/9/07 13:45	BB	E84380
Dissolved Oxygen-field	360.1	1.78		0.01	mg/L	7/6/07 10:10	HC	E84380
pH - field	150.1	6.90		0.01	std units	7/6/07 10:10	HC	E84380
Specific Conductance-field	120.1	1060		0.1	µmhos/cm	7/6/07 10:10	HC	E84380
Turbidity - field	180.1	83.1		0.1	NTU	7/6/07 10:10	HC	E84380
Water Level-field	DEPSOP	5.55		0.01	feet	7/6/07 10:10	HC	E84380
Water Temperature-field	170.1	26.8		0.1	C	7/6/07 10:10	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	7/6/07 10:10	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707070-04	SMW #4 grab	Ground Water	7/7/07 11:00	7/6/07 9:25

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.1		0.1	C	7/6/07 9:25	HC	E84380
ide	4500Cl-B	110		1	mg/L	7/9/07 13:45	BB	E84380
Dissolved Oxygen-field	360.1	1.31		0.01	mg/L	7/6/07 9:25	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0707070
Report Date: 07/11/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707070-04	SMW #4 grab	Ground Water	7/7/07 11:00	7/6/07 9:25

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
pH - field	150.1	6.86		0.01	std units	7/6/07 9:25	HC	E84380
Specific Conductance-field	120.1	1120		0.1	µmhos/cm	7/6/07 9:25	HC	E84380
Turbidity - field	180.1	1.0		0.1	NTU	7/6/07 9:25	HC	E84380
Water Level-field	DEPSOP	7.68		0.01	feet	7/6/07 9:25	HC	E84380
Water Temperature-field	170.1	26.6		0.1	C	7/6/07 9:25	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	7/6/07 9:25	HC	E84380

Approved by:

Comments:

Kathrine Bartniewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0707233
Report Date: 07/18/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707233-01	SMW-1 grab	Ground Water	7/13/07 16:05	7/13/07 10:32

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.3		0.1	C	7/13/07 10:32	HC	E84380
Chloride	4500Cl-B	97		1	mg/L	7/16/07 13:15	BB	E84380
Dissolved Oxygen-field	360.1	2.10		0.01	mg/L	7/13/07 10:32	HC	E84380
- field	150.1	7.29		0.01	std units	7/13/07 10:32	HC	E84380
Specific Conductance-field	120.1	1050		0.1	µmhos/cm	7/13/07 10:32	HC	E84380
Turbidity - field	180.1	13.5		0.1	NTU	7/13/07 10:32	HC	E84380
Water Level-field	DEPSOP	6.90		0.01	feet	7/13/07 10:32	HC	E84380
Water Temperature-field	170.1	26.4		0.1	C	7/13/07 10:32	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	7/13/07 10:32	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707233-02	SMW-2 grab	Ground Water	7/13/07 16:05	7/13/07 11:18

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.3		0.1	C	7/13/07 11:18	HC	E84380
Chloride	4500Cl-B	132		1	mg/L	7/16/07 13:15	BB	E84380
Dissolved Oxygen-field	360.1	1.84		0.01	mg/L	7/13/07 11:18	HC	E84380
pH - field	150.1	7.11		0.01	std units	7/13/07 11:18	HC	E84380
Conductance-field	120.1	1140		0.1	µmhos/cm	7/13/07 11:18	HC	E84380
Turbidity - field	180.1	8.1		0.1	NTU	7/13/07 11:18	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0707233
Report Date: 07/18/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707233-02	SMW-2 grab	Ground Water	7/13/07 16:05	7/13/07 11:18

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Water Level-field	DEPSOP	7.00		0.01	feet	7/13/07 11:18	HC	E84380
Water Temperature-field	170.1	26.3		0.1	C	7/13/07 11:18	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	7/13/07 11:18	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707233-03	SMW-3 grab	Ground Water	7/13/07 16:05	7/13/07 9:45

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
.ir Temperature-field	170.1	30.3		0.1	C	7/13/07 9:45	HC	E84380
Chloride	4500Cl-B	102		1	mg/L	7/16/07 13:15	BB	E84380
Dissolved Oxygen-field	360.1	1.85		0.01	mg/L	7/13/07 9:45	HC	E84380
pH - field	150.1	9.19		0.01	std units	7/13/07 9:45	HC	E84380
Specific Conductance-field	120.1	952		0.1	µmhos/cm	7/13/07 9:45	HC	E84380
Turbidity - field	180.1	58.4		0.1	NTU	7/13/07 9:45	HC	E84380
Water Level-field	DEPSOP	5.27		0.01	feet	7/13/07 9:45	HC	E84380
Water Temperature-field	170.1	27.0		0.1	C	7/13/07 9:45	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	7/13/07 9:45	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707233-04	SMW-4 grab	Ground Water	7/13/07 16:05	7/13/07 10:55

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.3		0.1	C	7/13/07 10:55	HC	E84380
de	4500Cl-B	117		1	mg/L	7/16/07 13:15	BB	E84380
Dissolved Oxygen-field	360.1	1.81		0.01	mg/L	7/13/07 10:55	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0707233
Report Date: 07/18/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707233-04	SMW-4 grab	Ground Water	7/13/07 16:05	7/13/07 10:55

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
pH - field	150.1	7.01		0.01	std units	7/13/07 10:55	HC	E84380
Specific Conductance-field	120.1	1180		0.1	µmhos/cm	7/13/07 10:55	HC	E84380
Turbidity - field	180.1	7.2		0.1	NTU	7/13/07 10:55	HC	E84380
Water Level-field	DEPSOP	7.35		0.01	feet	7/13/07 10:55	HC	E84380
Water Temperature-field	170.1	26.6		0.1	C	7/13/07 10:55	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	7/13/07 10:55	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0707390
Report Date: 07/23/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707390-01	SMW #1 grab	Ground Water	7/20/07 16:09	7/20/07 10:34

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	31.7		0.1	C	7/20/07 10:34	HC	E84380
Chloride	4500Cl-B	102		1	mg/L	7/22/07 15:00	BB	E84380
Dissolved Oxygen-field	360.1	2.01		0.01	mg/L	7/20/07 10:34	HC	E84380
pH - field	150.1	6.98		0.01	std units	7/20/07 10:34	HC	E84380
Specific Conductance-field	120.1	1010		0.1	µmhos/cm	7/20/07 10:34	HC	E84380
Turbidity - field	180.1	2.7		0.1	NTU	7/20/07 10:34	HC	E84380
Water Level-field	DEPSOP	6.78		0.01	feet	7/20/07 10:34	HC	E84380
Water Temperature-field	170.1	26.5		0.1	C	7/20/07 10:34	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	7/20/07 10:34	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707390-02	SMW #2 grab	Ground Water	7/20/07 16:09	7/20/07 11:37

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.0		0.1	C	7/20/07 11:37	HC	E84380
Chloride	4500Cl-B	112		1	mg/L	7/22/07 15:00	BB	E84380
Dissolved Oxygen-field	360.1	2.13		0.01	mg/L	7/20/07 11:37	HC	E84380
pH - field	150.1	6.57		0.01	std units	7/20/07 11:37	HC	E84380
Specific Conductance-field	120.1	1190		0.1	µmhos/cm	7/20/07 11:37	HC	E84380
Turbidity - field	180.1	0.8		0.1	NTU	7/20/07 11:37	HC	E84380
Water Level-field	DEPSOP	6.89		0.01	feet	7/20/07 11:37	HC	E84380
Water Temperature-field	170.1	26.5		0.1	C	7/20/07 11:37	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	7/20/07 11:37	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707390-03	SMW #3 grab	Ground Water	7/20/07 16:09	7/20/07 10:13

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	31.7		0.1	C	7/20/07 10:13	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0707390
Report Date: 07/23/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Tim
N0707390-03	SMW #3 grab	Ground Water	7/20/07 16:09	7/20/07 10:13

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	4500Cl-B	82		1	mg/L	7/22/07 15:00	BB	E84380
Dissolved Oxygen-field	360.1	1.72		0.01	mg/L	7/20/07 10:13	HC	E84380
pH - field	150.1	7.32		0.01	std units	7/20/07 10:13	HC	E84380
Specific Conductance-field	120.1	1110		0.1	µmhos/cm	7/20/07 10:13	HC	E84380
Turbidity - field	180.1	16.9		0.1	NTU	7/20/07 10:13	HC	E84380
Water Level-field	DEPSOP	5.26		0.01	feet	7/20/07 10:13	HC	E84380
Water Temperature-field	170.1	27.2		0.1	C	7/20/07 10:13	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	7/20/07 10:13	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707390-04	SMW #4 grab	Ground Water	7/20/07 16:09	7/20/07 10:55

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	31.7		0.1	C	7/20/07 10:55	HC	E84380
Chloride	4500Cl-B	110		1	mg/L	7/22/07 15:00	BB	E84380
Dissolved Oxygen-field	360.1	1.96		0.01	mg/L	7/20/07 10:55	HC	E84380
pH - field	150.1	6.76		0.01	std units	7/20/07 10:55	HC	E84380
Specific Conductance-field	120.1	1250		0.1	µmhos/cm	7/20/07 10:55	HC	E84380
Turbidity - field	180.1	2.2		0.1	NTU	7/20/07 10:55	HC	E84380
Water Level-field	DEPSOP	7.36		0.01	feet	7/20/07 10:55	HC	E84380
Water Temperature-field	170.1	27.1		0.1	C	7/20/07 10:55	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	7/20/07 10:55	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0707504
Report Date: 08/02/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707504-01	SMW #1 grab	Ground Water	7/27/07 15:45	7/27/07 13:21

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.8		0.1	C	7/27/07 13:21	HC	E84380
Chloride	SM4500Cl-B	102		1	mg/L	7/31/07 10:30	BB	E84380
Dissolved Oxygen-field	360.1	2.90		0.01	mg/L	7/27/07 13:21	HC	E84380
pH - field	150.1	6.41		0.01	std units	7/27/07 13:21	HC	E84380
Specific Conductance-field	120.1	1410		0.1	µmhos/cm	7/27/07 13:21	HC	E84380
Turbidity - field	180.1	2.9		0.1	NTU	7/27/07 13:21	HC	E84380
r Level-field	DEPSOP	6.81		0.01	feet	7/27/07 13:21	HC	E84380
Water Temperature-field	170.1	26.9		0.1	C	7/27/07 13:21	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	7/27/07 13:21	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707504-02	SMW #2 grab	Ground Water	7/27/07 15:45	7/27/07 14:12

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.9		0.1	C	7/27/07 14:12	HC	E84380
Chloride	SM4500Cl-B	115		1	mg/L	7/31/07 10:30	BB	E84380
Dissolved Oxygen-field	360.1	2.68		0.01	mg/L	7/27/07 14:12	HC	E84380
pH - field	150.1	5.64		0.01	std units	7/27/07 14:12	HC	E84380
Specific Conductance-field	120.1	1440		0.1	µmhos/cm	7/27/07 14:12	HC	E84380
Turbidity - field	180.1	1.1		0.1	NTU	7/27/07 14:12	HC	E84380
Water Level-field	DEPSOP	6.84		0.01	feet	7/27/07 14:12	HC	E84380
Water Temperature-field	170.1	26.5		0.1	C	7/27/07 14:12	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	7/27/07 14:12	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707504-03	SMW #3 grab	Ground Water	7/27/07 15:45	7/27/07 12:56

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.8		0.1	C	7/27/07 12:56	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0707504
Report Date: 08/02/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0707504-03	SMW #3 grab	Ground Water	7/27/07 15:45	7/27/07 12:56

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	82		1	mg/L	7/31/07 10:30	BB	E84380
Dissolved Oxygen-field	360.1	3.29		0.01	mg/L	7/27/07 12:56	HC	E84380
pH - field	150.1	6.35		0.01	std units	7/27/07 12:56	HC	E84380
Specific Conductance-field	120.1	1550		0.1	µmhos/cm	7/27/07 12:56	HC	E84380
Turbidity - field	180.1	61.4		0.1	NTU	7/27/07 12:56	HC	E84380
Water Level-field	DEPSOP	5.24		0.01	feet	7/27/07 12:56	HC	E84380
Water Temperature-field	170.1	27.5		0.1	C	7/27/07 12:56	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	7/27/07 12:56	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
10707504-04	SMW #4 grab	Ground Water	7/27/07 15:45	7/27/07 13:50

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.8		0.1	C	7/27/07 13:50	HC	E84380
Chloride	SM4500Cl-B	107		1	mg/L	7/31/07 10:30	BB	E84380
Dissolved Oxygen-field	360.1	2.11		0.01	mg/L	7/27/07 13:50	HC	E84380
pH - field	150.1	6.03		0.01	std units	7/27/07 13:50	HC	E84380
Specific Conductance-field	120.1	1500		0.1	µmhos/cm	7/27/07 13:50	HC	E84380
Turbidity - field	180.1	2.4		0.1	NTU	7/27/07 13:50	HC	E84380
Water Level-field	DEPSOP	7.19		0.01	feet	7/27/07 13:50	HC	E84380
Water Temperature-field	170.1	27.4		0.1	C	7/27/07 13:50	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	7/27/07 13:50	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopaski/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0708059
Report Date: 08/09/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708059-03	SMW-3 R grab	Ground Water	8/3/07 8:15	8/2/07 14:42

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	102		1	mg/L	8/7/07 13:00	BB	E84380
Dissolved Oxygen-field	360.1	2.40		0.01	mg/L	8/2/07 14:42	HC	E84380
pH - field	150.1	6.75		0.01	std units	8/2/07 14:42	HC	E84380
Specific Conductance-field	120.1	1210		0.1	µmhos/cm	8/2/07 14:42	HC	E84380
Turbidity - field	180.1	3.7		0.1	NTU	8/2/07 14:42	HC	E84380
Water Level-field	DEPSOP	7.61		0.01	feet	8/2/07 14:42	HC	E84380
Water Temperature-field	170.1	28.0		0.1	C	8/2/07 14:42	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	8/2/07 14:42	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
[0708059-04	SMW-4 grab	Ground Water	8/3/07 8:15	8/2/07 15:31

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.3		0.1	C	8/2/07 15:31	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	8/7/07 13:00	BB	E84380
Dissolved Oxygen-field	360.1	2.43		0.01	mg/L	8/2/07 15:31	HC	E84380
pH - field	150.1	6.46		0.01	std units	8/2/07 15:31	HC	E84380
Specific Conductance-field	120.1	1160		0.1	µmhos/cm	8/2/07 15:31	HC	E84380
Turbidity - field	180.1	1.2		0.1	NTU	8/2/07 15:31	HC	E84380
Water Level-field	DEPSOP	7.19		0.01	feet	8/2/07 15:31	HC	E84380
Water Temperature-field	170.1	27.0		0.1	C	8/2/07 15:31	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	8/2/07 15:31	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager-Fort Myers
Andrew Konopacki/Lab Manager Nokomis

:st Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0708059
Report Date: 08/09/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708059-01	SMW-1 grab	Ground Water	8/3/07 8:15	8/2/07 15:08

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	8/2/07 15:08	HC	E84380
Chloride	SM4500Cl-B	100		1	mg/L	8/7/07 13:00	BB	E84380
Dissolved Oxygen-field	360.1	2.64		0.01	mg/L	8/2/07 15:08	HC	E84380
pH - field	150.1	6.90		0.01	std units	8/2/07 15:08	HC	E84380
Specific Conductance-field	120.1	1000		0.1	µmhos/cm	8/2/07 15:08	HC	E84380
Turbidity - field	180.1	1.2		0.1	NTU	8/2/07 15:08	HC	E84380
er Level-field	DEPSOP	6.78		0.01	feet	8/2/07 15:08	HC	E84380
Water Temperature-field	170.1	26.6		0.1	C	8/2/07 15:08	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	8/2/07 15:08	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708059-02	SMW-2 grab	Ground Water	8/3/07 8:15	8/2/07 15:45

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.3		0.1	C	8/2/07 15:45	HC	E84380
Chloride	SM4500Cl-B	130		1	mg/L	8/7/07 13:00	BB	E84380
Dissolved Oxygen-field	360.1	1.63		0.01	mg/L	8/2/07 15:45	HC	E84380
pH - field	150.1	6.51		0.01	std units	8/2/07 15:45	HC	E84380
Specific Conductance-field	120.1	1100		0.1	µmhos/cm	8/2/07 15:45	HC	E84380
Turbidity - field	180.1	0.3		0.1	NTU	8/2/07 15:45	HC	E84380
Water Level-field	DEPSOP	6.84		0.01	feet	8/2/07 15:45	HC	E84380
Water Temperature-field	170.1	26.7		0.1	C	8/2/07 15:45	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	8/2/07 15:45	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708059-03	SMW-3 R grab	Ground Water	8/3/07 8:15	8/2/07 14:42

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	8/2/07 14:42	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0708203
Report Date: 08/16/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708203-01	SMW-1 grab	Ground Water	8/12/07 11:15	8/10/07 13:21

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.2		0.1	C	8/10/07 13:21	HC	E84380
Chloride	SM4500Cl-B	105		1	mg/L	8/14/07 13:30	BB	E84380
Dissolved Oxygen-field	360.1	1.92		0.01	mg/L	8/10/07 13:21	HC	E84380
pH - field	150.1	6.68		0.01	std units	8/10/07 13:21	HC	E84380
Specific Conductance-field	120.1	848		0.1	µmhos/cm	8/10/07 13:21	HC	E84380
Turbidity - field	180.1	14.0		0.1	NTU	8/10/07 13:21	HC	E84380
Water Level-field	DEPSOP	7.14		0.01	feet	8/10/07 13:21	HC	E84380
Water Temperature-field	170.1	26.6		0.1	C	8/10/07 13:21	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	8/10/07 13:21	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708203-02	SMW-2 grab	Ground Water	8/12/07 11:15	8/10/07 14:07

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.4		0.1	C	8/10/07 14:07	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	8/14/07 13:30	BB	E84380
Dissolved Oxygen-field	360.1	2.24		0.01	mg/L	8/10/07 14:07	HC	E84380
pH - field	150.1	6.67		0.01	std units	8/10/07 14:07	HC	E84380
Specific Conductance-field	120.1	1980		0.1	µmhos/cm	8/10/07 14:07	HC	E84380
Turbidity - field	180.1	3.3		0.1	NTU	8/10/07 14:07	HC	E84380
Water Level-field	DEPSOP	7.04		0.01	feet	8/10/07 14:07	HC	E84380
Water Temperature-field	170.1	26.8		0.1	C	8/10/07 14:07	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	8/10/07 14:07	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708203-03	SMW-3R grab	Ground Water	8/12/07 11:15	8/10/07 13:01

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	8/10/07 13:01	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0708203
Report Date: 08/16/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708203-03	SMW-3R grab	Ground Water	8/12/07 11:15	8/10/07 13:01

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	107		1	mg/L	8/14/07 13:30	BB	E84380
Dissolved Oxygen-field	360.1	2.28		0.01	mg/L	8/10/07 13:01	HC	E84380
pH - field	150.1	6.57		0.01	std units	8/10/07 13:01	HC	E84380
Specific Conductance-field	120.1	1050		0.1	µmhos/cm	8/10/07 13:01	HC	E84380
Turbidity - field	180.1	13.4		0.1	NTU	8/10/07 13:01	HC	E84380
Water Level-field	DEPSOP	8.72		0.01	feet	8/10/07 13:01	HC	E84380
Water Temperature-field	170.1	28.4		0.1	C	8/10/07 13:01	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	8/10/07 13:01	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708203-04	SMW-4 grab	Ground Water	8/12/07 11:15	8/10/07 13:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.4		0.1	C	8/10/07 13:30	HC	E84380
Chloride	SM4500Cl-B	112		1	mg/L	8/14/07 13:30	BB	E84380
Dissolved Oxygen-field	360.1	2.12		0.01	mg/L	8/10/07 13:30	HC	E84380
pH - field	150.1	6.67		0.01	std units	8/10/07 13:30	HC	E84380
Specific Conductance-field	120.1	1390		0.1	µmhos/cm	8/10/07 13:30	HC	E84380
Turbidity - field	180.1	13.1		0.1	NTU	8/10/07 13:30	HC	E84380
Water Level-field	DEPSOP	7.21		0.01	feet	8/10/07 13:30	HC	E84380
Water Temperature-field	170.1	27.3		0.1	C	8/10/07 13:30	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	8/10/07 13:30	HC	E84380

Approved by:

Comments:

Kathrine Barrkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0708291
Report Date: 08/24/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708291-01	SMW #1 grab	Ground Water	8/17/07 14:55	8/17/07 9:31

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	29.7		0.1	C	8/17/07 9:31	HC	E84380
Chloride	SM4500Cl-B	107		1	mg/L	8/21/07 13:15	BB	E84380
Dissolved Oxygen-field	360.1	2.01		0.01	mg/L	8/17/07 9:31	HC	E84380
pH - field	150.1	6.79		0.01	std units	8/17/07 9:31	HC	E84380
Specific Conductance-field	120.1	1110		0.1	µmhos/cm	8/17/07 9:31	HC	E84380
Turbidity - field	180.1	0.7		0.1	NTU	8/17/07 9:31	HC	E84380
Water Level-field	DEPSOP	7.03		0.01	feet	8/17/07 9:31	HC	E84380
Water Temperature-field	170.1	26.3		0.1	C	8/17/07 9:31	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	8/17/07 9:31	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708291-02	SMW #2 grab	Ground Water	8/17/07 14:55	8/17/07 9:56

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	29.9		0.1	C	8/17/07 9:56	HC	E84380
Chloride	SM4500Cl-B	122		1	mg/L	8/21/07 13:15	BB	E84380
Dissolved Oxygen-field	360.1	1.73		0.01	mg/L	8/17/07 9:56	HC	E84380
pH - field	150.1	6.48		0.01	std units	8/17/07 9:56	HC	E84380
Specific Conductance-field	120.1	1250		0.1	µmhos/cm	8/17/07 9:56	HC	E84380
Turbidity - field	180.1	1.2		0.1	NTU	8/17/07 9:56	HC	E84380
Water Level-field	DEPSOP	7.01		0.01	feet	8/17/07 9:56	HC	E84380
Water Temperature-field	170.1	26.4		0.1	C	8/17/07 9:56	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	8/17/07 9:56	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708291-03	SMW #3R grab	Ground Water	8/17/07 14:55	8/17/07 9:05

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	29.7		0.1	C	8/17/07 9:05	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0708291
Report Date: 08/24/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708291-03	SMW #3R grab	Ground Water	8/17/07 14:55	8/17/07 9:05

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	115		1	mg/L	8/21/07 13:15	BB	E84380
Dissolved Oxygen-field	360.1	2.23		0.01	mg/L	8/17/07 9:05	HC	E84380
pH - field	150.1	6.60		0.01	std units	8/17/07 9:05	HC	E84380
Specific Conductance-field	120.1	1400		0.1	µmhos/cm	8/17/07 9:05	HC	E84380
Turbidity - field	180.1	2.3		0.1	NTU	8/17/07 9:05	HC	E84380
Water Level-field	DEPSOP	8.36		0.01	feet	8/17/07 9:05	HC	E84380
Water Temperature-field	170.1	28.0		0.1	C	8/17/07 9:05	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	8/17/07 9:05	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708291-04	SMW #4 grab	Ground Water	8/17/07 14:55	8/17/07 10:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	29.9		0.1	C	8/17/07 10:15	HC	E84380
Chloride	SM4500Cl-B	132		1	mg/L	8/21/07 13:15	BB	E84380
Dissolved Oxygen-field	360.1	2.27		0.01	mg/L	8/17/07 10:15	HC	E84380
pH - field	150.1	6.33		0.01	std units	8/17/07 10:15	HC	E84380
Specific Conductance-field	120.1	1340		0.1	µmhos/cm	8/17/07 10:15	HC	E84380
Turbidity - field	180.1	2.1		0.1	NTU	8/17/07 10:15	HC	E84380
Water Level-field	DEPSOP	7.48		0.01	feet	8/17/07 10:15	HC	E84380
Water Temperature-field	170.1	27.2		0.1	C	8/17/07 10:15	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	8/17/07 10:15	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0708406
Report Date: 08/29/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708406-01	SMW-1 grab	Ground Water	8/24/07 15:40	8/24/07 8:12

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.3		0.1	C	8/24/07 8:12	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	8/28/07 13:30	BB	E84380
Dissolved Oxygen-field	360.1	2.21		0.01	mg/L	8/24/07 8:12	HC	E84380
pH - field	150.1	6.33		0.01	std units	8/24/07 8:12	HC	E84380
Specific Conductance-field	120.1	1180		0.1	µmhos/cm	8/24/07 8:12	HC	E84380
Turbidity - field	180.1	0.4		0.1	NTU	8/24/07 8:12	HC	E84380
'ater Level-field	DEPSOP	7.01		0.01	feet	8/24/07 8:12	HC	E84380
.ater Temperature-field	170.1	26.4		0.1	C	8/24/07 8:12	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	8/24/07 8:12	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708406-02	SMW-2R grab	Ground Water	8/24/07 15:40	8/24/07 8:52

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.6		0.1	C	8/24/07 8:52	HC	E84380
Chloride	SM4500Cl-B	122		1	mg/L	8/28/07 13:30	BB	E84380
Dissolved Oxygen-field	360.1	2.02		0.01	mg/L	8/24/07 8:52	HC	E84380
pH - field	150.1	6.42		0.01	std units	8/24/07 8:52	HC	E84380
Specific Conductance-field	120.1	1380		0.1	µmhos/cm	8/24/07 8:52	HC	E84380
Turbidity - field	180.1	0.8		0.1	NTU	8/24/07 8:52	HC	E84380
Water Level-field	DEPSOP	6.99		0.01	feet	8/24/07 8:52	HC	E84380
Water Temperature-field	170.1	26.4		0.1	C	8/24/07 8:52	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	8/24/07 8:52	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708406-03	SMW-3-Re grab	Ground Water	8/24/07 15:40	8/24/07 7:46

ysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.3		0.1	C	8/24/07 7:46	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0708406
Report Date: 08/29/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708406-03	SMW-3-Re grab	Ground Water	8/24/07 15:40	8/24/07 7:46

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	117		1	mg/L	8/28/07 13:30	BB	E84380
Dissolved Oxygen-field	360.1	2.33		0.01	mg/L	8/24/07 7:46	HC	E84380
pH - field	150.1	6.26		0.01	std units	8/24/07 7:46	HC	E84380
Specific Conductance-field	120.1	1510		0.1	µmhos/cm	8/24/07 7:46	HC	E84380
Turbidity - field	180.1	0.6		0.1	NTU	8/24/07 7:46	HC	E84380
Water Level-field	DEPSOP	8.31		0.01	feet	8/24/07 7:46	HC	E84380
Water Temperature-field	170.1	27.7		0.1	C	8/24/07 7:46	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	8/24/07 7:46	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708406-04	SMW-4 grab	Ground Water	8/24/07 15:40	8/24/07 8:31

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.5		0.1	C	8/24/07 8:31	HC	E84380
Chloride	SM4500Cl-B	120		1	mg/L	8/28/07 13:30	BB	E84380
Dissolved Oxygen-field	360.1	1.95		0.01	mg/L	8/24/07 8:31	HC	E84380
pH - field	150.1	5.89		0.01	std units	8/24/07 8:31	HC	E84380
Specific Conductance-field	120.1	1390		0.1	µmhos/cm	8/24/07 8:31	HC	E84380
Turbidity - field	180.1	1.0		0.1	NTU	8/24/07 8:31	HC	E84380
Water Level-field	DEPSOP	7.41		0.01	feet	8/24/07 8:31	HC	E84380
Water Temperature-field	170.1	27.0		0.1	C	8/24/07 8:31	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	8/24/07 8:31	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0708520
Report Date: 09/06/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708520-01	SMW-1 grab	Ground Water	8/31/07 11:45	8/31/07 10:02

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.4		0.1	C	8/31/07 10:02	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	9/5/07 11:15	BB	E84380
Dissolved Oxygen-field	360.1	1.71		0.01	mg/L	8/31/07 10:02	HC	E84380
pH - field	150.1	6.52		0.01	std units	8/31/07 10:02	HC	E84380
Specific Conductance-field	120.1	1140		0.1	µmhos/cm	8/31/07 10:02	HC	E84380
Turbidity - field	180.1	1.6		0.1	NTU	8/31/07 10:02	HC	E84380
er Level-field	DEPSOP	7.04		0.01	feet	8/31/07 10:02	HC	E84380
Water Temperature-field	170.1	26.7		0.1	C	8/31/07 10:02	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	8/31/07 10:02	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708520-02	SMW-2 grab	Ground Water	8/31/07 11:45	8/31/07 10:36

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.6		0.1	C	8/31/07 10:36	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	9/5/07 11:15	BB	E84380
Dissolved Oxygen-field	360.1	1.89		0.01	mg/L	8/31/07 10:36	HC	E84380
pH - field	150.1	6.33		0.01	std units	8/31/07 10:36	HC	E84380
Specific Conductance-field	120.1	1260		0.1	µmhos/cm	8/31/07 10:36	HC	E84380
Turbidity - field	180.1	0.9		0.1	NTU	8/31/07 10:36	HC	E84380
Water Level-field	DEPSOP	6.68		0.01	feet	8/31/07 10:36	HC	E84380
Water Temperature-field	170.1	26.8		0.1	C	8/31/07 10:36	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	8/31/07 10:36	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708520-03	SMW-3 R grab	Ground Water	8/31/07 11:45	8/31/07 9:41

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.4		0.1	C	8/31/07 9:41	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0708520
Report Date: 09/06/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708520-03	SMW-3 R grab	Ground Water	8/31/07 11:45	8/31/07 9:41

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	112		1	mg/L	9/5/07 11:15	BB	E84380
Dissolved Oxygen-field	360.1	1.96		0.01	mg/L	8/31/07 9:41	HC	E84380
pH - field	150.1	6.54		0.01	std units	8/31/07 9:41	HC	E84380
Specific Conductance-field	120.1	1460		0.1	µmhos/cm	8/31/07 9:41	HC	E84380
Turbidity - field	180.1	2.6		0.1	NTU	8/31/07 9:41	HC	E84380
Water Level-field	DEPSOP	7.12		0.01	feet	8/31/07 9:41	HC	E84380
Water Temperature-field	170.1	28.4		0.1	C	8/31/07 9:41	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	8/31/07 9:41	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
10708520-04	SMW-4 grab	Ground Water	8/31/07 11:45	8/31/07 10:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.4		0.1	C	8/31/07 10:20	HC	E84380
Chloride	SM4500Cl-B	120		1	mg/L	9/5/07 11:15	BB	E84380
Dissolved Oxygen-field	360.1	1.99		0.01	mg/L	8/31/07 10:20	HC	E84380
pH - field	150.1	6.34		0.01	std units	8/31/07 10:20	HC	E84380
Specific Conductance-field	120.1	1320		0.1	µmhos/cm	8/31/07 10:20	HC	E84380
Turbidity - field	180.1	1.0		0.1	NTU	8/31/07 10:20	HC	E84380
Water Level-field	DEPSOP	7.03		0.01	feet	8/31/07 10:20	HC	E84380
Water Temperature-field	170.1	27.4		0.1	C	8/31/07 10:20	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	8/31/07 10:20	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

st Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0709106
Report Date: 09/11/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709106-01	SMW-1 grab	Ground Water	9/6/07 14:35	9/6/07 11:48

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	29.6		0.1	C	9/6/07 11:48	HC	E84380
Chloride	SM4500Cl-B	110		1	mg/L	9/7/07 10:30	AK	E84380
Dissolved Oxygen-field	360.1	1.77		0.01	mg/L	9/6/07 11:48	HC	E84380
pH - field	150.1	6.42		0.01	std units	9/6/07 11:48	HC	E84380
Specific Conductance-field	120.1	952		0.1	µmhos/cm	9/6/07 11:48	HC	E84380
Turbidity - field	180.1	1.0		0.1	NTU	9/6/07 11:48	HC	E84380
er Level-field	DEPSOP	6.38		0.01	feet	9/6/07 11:48	HC	E84380
Water Temperature-field	170.1	26.9		0.1	C	9/6/07 11:48	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/6/07 11:48	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709106-02	SMW-2 grab	Ground Water	9/6/07 14:35	9/6/07 11:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	29.5		0.1	C	9/6/07 11:30	HC	E84380
Chloride	SM4500Cl-B	130		1	mg/L	9/7/07 10:30	AK	E84380
Dissolved Oxygen-field	360.1	3.01		0.01	mg/L	9/6/07 11:30	HC	E84380
pH - field	150.1	6.35		0.01	std units	9/6/07 11:30	HC	E84380
Specific Conductance-field	120.1	1040		0.1	µmhos/cm	9/6/07 11:30	HC	E84380
Turbidity - field	180.1	1.1		0.1	NTU	9/6/07 11:30	HC	E84380
Water Level-field	DEPSOP	6.46		0.01	feet	9/6/07 11:30	HC	E84380
Water Temperature-field	170.1	27.1		0.1	C	9/6/07 11:30	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/6/07 11:30	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709106-03	SMW-3 R grab	Ground Water	9/6/07 14:35	9/6/07 12:07

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	29.7		0.1	C	9/6/07 12:07	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0709106
Report Date: 09/11/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709106-03	SMW-3 R grab	Ground Water	9/6/07 14:35	9/6/07 12:07

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	122		1	mg/L	9/7/07 10:30	AK	E84380
Dissolved Oxygen-field	360.1	1.89		0.01	mg/L	9/6/07 12:07	HC	E84380
pH - field	150.1	6.30		0.01	std units	9/6/07 12:07	HC	E84380
Specific Conductance-field	120.1	1200		0.1	µmhos/cm	9/6/07 12:07	HC	E84380
Turbidity - field	180.1	1.9		0.1	NTU	9/6/07 12:07	HC	E84380
Water Level-field	DEPSOP	7.47		0.01	feet	9/6/07 12:07	HC	E84380
Water Temperature-field	170.1	28.7		0.1	C	9/6/07 12:07	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	9/6/07 12:07	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
10709106-04	SMW-4 grab	Ground Water	9/6/07 14:35	9/6/07 11:10

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	29.5		0.1	C	9/6/07 11:10	HC	E84380
Chloride	SM4500Cl-B	120		1	mg/L	9/7/07 10:30	AK	E84380
Dissolved Oxygen-field	360.1	1.99		0.01	mg/L	9/6/07 11:10	HC	E84380
pH - field	150.1	6.61		0.01	std units	9/6/07 11:10	HC	E84380
Specific Conductance-field	120.1	1060		0.1	µmhos/cm	9/6/07 11:10	HC	E84380
Turbidity - field	180.1	0.6		0.1	NTU	9/6/07 11:10	HC	E84380
Water Level-field	DEPSOP	6.72		0.01	feet	9/6/07 11:10	HC	E84380
Water Temperature-field	170.1	27.5		0.1	C	9/6/07 11:10	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/6/07 11:10	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

st Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0709278
Report Date: 09/19/07

Sanders Laboratories, Inc.
Environmental Testing Since 1980

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709278-01	SMW-1 grab	Ground Water	9/13/07 16:45	9/13/07 15:07

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	33.4		0.1	C	9/13/07 15:07	HC	E84380
Chloride	SM4500Cl-B	112		1	mg/L	9/17/07 9:15	BB	E84380
Dissolved Oxygen-field	360.1	2.51		0.01	mg/L	9/13/07 15:07	HC	E84380
pH - field	150.1	6.39		0.01	std units	9/13/07 15:07	HC	E84380
Specific Conductance-field	120.1	922		0.1	µmhos/cm	9/13/07 15:07	HC	E84380
Turbidity - field	180.1	18.8		0.1	NTU	9/13/07 15:07	HC	E84380
er Level-field	DEPSOP	7.27		0.01	feet	9/13/07 15:07	HC	E84380
Water Temperature-field	170.1	27.8		0.1	C	9/13/07 15:07	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/13/07 15:07	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709278-02	SMW-2 grab	Ground Water	9/13/07 16:45	9/13/07 14:41

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	33.4		0.1	C	9/13/07 14:41	HC	E84380
Chloride	SM4500Cl-B	127		1	mg/L	9/17/07 9:15	BB	E84380
Dissolved Oxygen-field	360.1	1.96		0.01	mg/L	9/13/07 14:41	HC	E84380
pH - field	150.1	6.40		0.01	std units	9/13/07 14:41	HC	E84380
Specific Conductance-field	120.1	1000		0.1	µmhos/cm	9/13/07 14:41	HC	E84380
Turbidity - field	180.1	0.9		0.1	NTU	9/13/07 14:41	HC	E84380
Water Level-field	DEPSOP	6 72		0.01	feet	9/13/07 14:41	HC	E84380
Water Temperature-field	170.1	27.0		0.1	C	9/13/07 14:41	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/13/07 14:41	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709278-03	SMW-3R grab	Ground Water	9/13/07 16:45	9/13/07 15:28

A. sis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	33.4		0.1	C	9/13/07 15:28	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0709278
Report Date: 09/19/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709278-03	SMW-3R grab	Ground Water	9/13/07 16:45	9/13/07 15:28

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	110		1	mg/L	9/17/07 9:15	BB	E84380
Dissolved Oxygen-field	360.1	2.36		0.01	mg/L	9/13/07 15:28	HC	E84380
pH - field	150.1	6.34		0.01	std units	9/13/07 15:28	HC	E84380
Specific Conductance-field	120.1	1260		0.1	µmhos/cm	9/13/07 15:28	HC	E84380
Turbidity - field	180.1	1.0		0.1	NTU	9/13/07 15:28	HC	E84380
Water Level-field	DEPSOP	7.56		0.01	feet	9/13/07 15:28	HC	E84380
Water Temperature-field	170.1	29.2		0.1	C	9/13/07 15:28	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/13/07 15:28	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709278-04	SMW-4 grab	Ground Water	9/13/07 16:45	9/13/07 14:19

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	33.4		0.1	C	9/13/07 14:19	HC	E84380
Chloride	SM4500Cl-B	120		1	mg/L	9/17/07 9:15	BB	E84380
Dissolved Oxygen-field	360.1	2.21		0.01	mg/L	9/13/07 14:19	HC	E84380
pH - field	150.1	6.21		0.01	std units	9/13/07 14:19	HC	E84380
Specific Conductance-field	120.1	1070		0.1	µmhos/cm	9/13/07 14:19	HC	E84380
Turbidity - field	180.1	0.9		0.1	NTU	9/13/07 14:19	HC	E84380
Water Level-field	DEPSOP	7.88		0.01	feet	9/13/07 14:19	HC	E84380
Water Temperature-field	170.1	28.2		0.1	C	9/13/07 14:19	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/13/07 14:19	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards

Client Project: Lehigh Acres WWTP
Lab Project: N0709370
Report Date: 09/25/07

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709370-01	SMW-1 grab	Ground Water	9/21/07 16:15	9/21/07 14:34

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	9/21/07 14:34	HC	E84380
Chloride	SM4500Cl-B	107		1	mg/L	9/24/07 10:45	BB	E84380
Dissolved Oxygen-field	360.1	2.43		0.01	mg/L	9/21/07 14:34	HC	E84380
pH - field	150.1	6.91		0.01	std units	9/21/07 14:34	HC	E84380
Specific Conductance-field	120.1	1140		0.1	µmhos/cm	9/21/07 14:34	HC	E84380
Turbidity - field	180.1	1.0		0.1	NTU	9/21/07 14:34	HC	E84380
/ater Level-field	DEPSOP	7.04		0.01	feet TOC	9/21/07 14:34	HC	E84380
,Vater Temperature-field	170.1	26.6		0.1	C	9/21/07 14:34	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	9/21/07 14:34	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709370-02	SMW-2 grab	Ground Water	9/21/07 16:15	9/21/07 14:08

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	9/21/07 14:08	HC	E84380
Chloride	SM4500Cl-B	127		1	mg/L	9/24/07 10:45	BB	E84380
Dissolved Oxygen-field	360.1	1.59		0.01	mg/L	9/21/07 14:08	HC	E84380
pH - field	150.1	6.88		0.01	std units	9/21/07 14:08	HC	E84380
Specific Conductance-field	120.1	1290		0.1	µmhos/cm	9/21/07 14:08	HC	E84380
Turbidity - field	180.1	1.2		0.1	NTU	9/21/07 14:08	HC	E84380
Water Level-field	DEPSOP	6.71		0.01	feet TOC	9/21/07 14:08	HC	E84380
Water Temperature-field	170.1	27.0		0.1	C	9/21/07 14:08	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/21/07 14:08	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709370-03	SMW-3R grab	Ground Water	9/21/07 16:15	9/21/07 14:56

ılysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	9/21/07 14:56	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0709370
Report Date: 09/25/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Tim
N0709370-03	SMW-3R grab	Ground Water	9/21/07 16:15	9/21/07 14:56

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	137		1	mg/L	9/24/07 10:45	BB	E84380
Dissolved Oxygen-field	360.1	1.94		0.01	mg/L	9/21/07 14:56	HC	E84380
pH - field	150.1	6.85		0.01	std units	9/21/07 14:56	HC	E84380
Specific Conductance-field	120.1	1640		0.1	µmhos/cm	9/21/07 14:56	HC	E84380
Turbidity - field	180.1	0.6		0.1	NTU	9/21/07 14:56	HC	E84380
Water Level-field	DEPSOP	7.45		0.01	feet TOC	9/21/07 14:56	HC	E84380
Water Temperature-field	170.1	28.4		0.1	C	9/21/07 14:56	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	9/21/07 14:56	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709370-04	SMW-4 grab	Ground Water	9/21/07 16:15	9/21/07 13:50

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	9/21/07 13:50	HC	E84380
Chloride	SM4500Cl-B	122		1	mg/L	9/24/07 10:45	BB	E84380
Dissolved Oxygen-field	360.1	1.41		0.01	mg/L	9/21/07 13:50	HC	E84380
pH - field	150.1	6.85		0.01	std units	9/21/07 13:50	HC	E84380
Specific Conductance-field	120.1	1330		0.1	µmhos/cm	9/21/07 13:50	HC	E84380
Turbidity - field	180.1	0.4		0.1	NTU	9/21/07 13:50	HC	E84380
Water Level-field	DEPSOP	7.01		0.01	feet TOC	9/21/07 13:50	HC	E84380
Water Temperature-field	170.1	28.1		0.1	C	9/21/07 13:50	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/21/07 13:50	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0709498
Report Date: 10/02/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709498-01	SMW #1 grab	Ground Water	9/28/07 16:10	9/28/07 14:27

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	9/28/07 14:27	HC	E84380
Chloride	SM4500Cl-B	107		1	mg/L	10/1/07 10:00	BB	E84380
Dissolved Oxygen-field	360.1	2.39		0.01	mg/L	9/28/07 14:27	HC	E84380
pH - field	150.1	6.74		0.01	std units	9/28/07 14:27	HC	E84380
Specific Conductance-field	120.1	701		0.1	µmhos/cm	9/28/07 14:27	HC	E84380
Turbidity - field	180.1	1.4		0.1	NTU	9/28/07 14:27	HC	E84380
Water Level-field	DEPSOP	6.68		0.01	feet TOC	9/28/07 14:27	HC	E84380
Water Temperature-field	170.1	27.1		0.1	C	9/28/07 14:27	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/28/07 14:27	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709498-02	SMW #2 grab	Ground Water	9/28/07 16:10	9/28/07 14:09

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	9/28/07 14:09	HC	E84380
Chloride	SM4500Cl-B	125		1	mg/L	10/1/07 10:00	BB	E84380
Dissolved Oxygen-field	360.1	1.83		0.01	mg/L	9/28/07 14:09	HC	E84380
pH - field	150.1	6.75		0.01	std units	9/28/07 14:09	HC	E84380
Specific Conductance-field	120.1	748		0.1	µmhos/cm	9/28/07 14:09	HC	E84380
Turbidity - field	180.1	1.5		0.1	NTU	9/28/07 14:09	HC	E84380
Water Level-field	DEPSOP	6.41		0.01	feet TOC	9/28/07 14:09	HC	E84380
Water Temperature-field	170.1	27.2		0.1	C	9/28/07 14:09	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/28/07 14:09	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709498-03	SMW #3 R grab	Ground Water	9/28/07 16:10	9/28/07 14:47

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.2		0.1	C	9/28/07 14:47	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0709498
Report Date: 10/02/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709498-03	SMW #3 R grab	Ground Water	9/28/07 16:10	9/28/07 14:47

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	102		1	mg/L	10/1/07 10:00	BB	E84380
Dissolved Oxygen-field	360.1	2.59		0.01	mg/L	9/28/07 14:47	HC	E84380
pH - field	150.1	6.69		0.01	std units	9/28/07 14:47	HC	E84380
Specific Conductance-field	120.1	926		0.1	µmhos/cm	9/28/07 14:47	HC	E84380
Turbidity - field	180.1	5.3		0.1	NTU	9/28/07 14:47	HC	E84380
Water Level-field	DEPSOP	7.51		0.01	feet TOC	9/28/07 14:47	HC	E84380
Water Temperature-field	170.1	28.4		0.1	C	9/28/07 14:47	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/28/07 14:47	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
0709498-04	SMW #4 grab	Ground Water	9/28/07 16:10	9/28/07 13:44

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.1		0.1	C	9/28/07 13:44	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	10/1/07 10:00	BB	E84380
Dissolved Oxygen-field	360.1	1.71		0.01	mg/L	9/28/07 13:44	HC	E84380
pH - field	150.1	6.81		0.01	std units	9/28/07 13:44	HC	E84380
Specific Conductance-field	120.1	800		0.1	µmhos/cm	9/28/07 13:44	HC	E84380
Turbidity - field	180.1	1.6		0.1	NTU	9/28/07 13:44	HC	E84380
Water Level-field	DEPSOP	6.78		0.01	feet TOC	9/28/07 13:44	HC	E84380
Water Temperature-field	170.1	28.0		0.1	C	9/28/07 13:44	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	9/28/07 13:44	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

.st Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0710119
Report Date: 10/10/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710119-01	SMW #1 grab	Ground Water	10/4/07 17:20	10/4/07 16:01

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.4		0.1	C	10/4/07 16:01	HC	E84380
Chloride	SM4500Cl-B	110		1	mg/L	10/8/07 8:45	BB	E84380
Dissolved Oxygen-field	360.1	2.29		0.01	mg/L	10/4/07 16:01	HC	E84380
pH - field	150.1	6.76		0.01	std units	10/4/07 16:01	HC	E84380
Specific Conductance-field	120.1	1040		0.1	µmhos/cm	10/4/07 16:01	HC	E84380
Turbidity - field	180.1	1.2		0.1	NTU	10/4/07 16:01	HC	E84380
Water Level-field	DEPSOP	6.88		0.01	feet TOC	10/4/07 16:01	HC	E84380
Water Temperature-field	170.1	27.4		0.1	C	10/4/07 16:01	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	10/4/07 16:01	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710119-02	SMW #2 grab	Ground Water	10/4/07 17:20	10/4/07 15:02

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.4		0.1	C	10/4/07 15:02	HC	E84380
Chloride	SM4500Cl-B	127		1	mg/L	10/8/07 8:45	BB	E84380
Dissolved Oxygen-field	360.1	1.98		0.01	mg/L	10/4/07 15:02	HC	E84380
pH - field	150.1	7.06		0.01	std units	10/4/07 15:02	HC	E84380
Specific Conductance-field	120.1	1150		0.1	µmhos/cm	10/4/07 15:02	HC	E84380
Turbidity - field	180.1	0.7		0.1	NTU	10/4/07 15:02	HC	E84380
Water Level-field	DEPSOP	6.83		0.01	feet TOC	10/4/07 15:02	HC	E84380
Water Temperature-field	170.1	27.3		0.1	C	10/4/07 15:02	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	10/4/07 15:02	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710119-03	SMW #3 R grab	Ground Water	10/4/07 17:20	10/4/07 15:47

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.4		0.1	C	10/4/07 15:47	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0710119
Report Date: 10/10/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Tim
N0710119-03	SMW #3 R grab	Ground Water	10/4/07 17:20	10/4/07 15:47

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	100		1	mg/L	10/8/07 8:45	BB	E84380
Dissolved Oxygen-field	360.1	2.32		0.01	mg/L	10/4/07 15:47	HC	E84380
pH - field	150.1	6.72		0.01	std units	10/4/07 15:47	HC	E84380
Specific Conductance-field	120.1	1450		0.1	µmhos/cm	10/4/07 15:47	HC	E84380
Turbidity - field	180.1	29.1		0.1	NTU	10/4/07 15:47	HC	E84380
Water Level-field	DEPSOP	7.68		0.01	feet TOC	10/4/07 15:47	HC	E84380
Water Temperature-field	170.1	28.4		0.1	C	10/4/07 15:47	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	10/4/07 15:47	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
J0710119-04	SMW #4 grab	Ground Water	10/4/07 17:20	10/4/07 15:17

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.4		0.1	C	10/4/07 15:17	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	10/8/07 8:45	BB	E84380
Dissolved Oxygen-field	360.1	1.91		0.01	mg/L	10/4/07 15:17	HC	E84380
pH - field	150.1	6.83		0.01	std units	10/4/07 15:17	HC	E84380
Specific Conductance-field	120.1	1180		0.1	µmhos/cm	10/4/07 15:17	HC	E84380
Turbidity - field	180.1	1.2		0.1	NTU	10/4/07 15:17	HC	E84380
Water Level-field	DEPSOP	7.09		0.01	feet TOC	10/4/07 15:17	HC	E84380
Water Temperature-field	170.1	28.1		0.1	C	10/4/07 15:17	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	10/4/07 15:17	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

: Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0710213
Report Date: 10/17/07

Sanders Laboratories, Inc.
Environmental Testing

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710213-01	SMW-1 grab	Ground Water	10/11/07 16:05	10/11/07 14:54

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	31.5		0.1	C	10/11/07 14:54	HC	E84380
Chloride	SM4500Cl-B	102		1	mg/L	10/15/07 9:30	BB	E84380
Dissolved Oxygen-field	360.1	1.59		0.01	mg/L	10/11/07 14:54	HC	E84380
pH - field	150.1	6.58		0.01	std units	10/11/07 14:54	HC	E84380
Specific Conductance-field	120.1	891		0.1	µmhos/cm	10/11/07 14:54	HC	E84380
Turbidity - field	180.1	3.6		0.1	NTU	10/11/07 14:54	HC	E84380
Water Level-field	DEPSOP	7.05		0.01	feet TOC	10/11/07 14:54	HC	E84380
Water Temperature-field	170.1	26.7		0.1	C	10/11/07 14:54	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	10/11/07 14:54	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710213-02	SMW-2 grab	Ground Water	10/11/07 16:05	10/11/07 14:10

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	31.5		0.1	C	10/11/07 14:10	HC	E84380
Chloride	SM4500Cl-B	122		1	mg/L	10/15/07 9:30	BB	E84380
Dissolved Oxygen-field	360.1	1.62		0.01	mg/L	10/11/07 14:10	HC	E84380
pH - field	150.1	6.60		0.01	std units	10/11/07 14:10	HC	E84380
Specific Conductance-field	120.1	963		0.1	µmhos/cm	10/11/07 14:10	HC	E84380
Turbidity - field	180.1	2.9		0.1	NTU	10/11/07 14:10	HC	E84380
Water Level-field	DEPSOP	6.65		0.01	feet TOC	10/11/07 14:10	HC	E84380
Water Temperature-field	170.1	27.0		0.1	C	10/11/07 14:10	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	10/11/07 14:10	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710213-03	SMW-3-R grab	Ground Water	10/11/07 16:05	10/11/07 14:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	31.5		0.1	C	10/11/07 14:30	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0710213
Report Date: 10/17/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710213-03	SMW-3-R grab	Ground Water	10/11/07 16:05	10/11/07 14:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	110		1	mg/L	10/15/07 9:30	BB	E84380
Dissolved Oxygen-field	360.1	1.57		0.01	mg/L	10/11/07 14:30	HC	E84380
pH - field	150.1	6.41		0.01	std units	10/11/07 14:30	HC	E84380
Specific Conductance-field	120.1	1260		0.1	µmhos/cm	10/11/07 14:30	HC	E84380
Turbidity - field	180.1	3.8		0.1	NTU	10/11/07 14:30	HC	E84380
Water Level-field	DEPSOP	7.67		0.01	feet TOC	10/11/07 14:30	HC	E84380
Water Temperature-field	170.1	28.1		0.1	C	10/11/07 14:30	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	10/11/07 14:30	HC	E84380

Approved by:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Comments: SMW-4 has been capped and/or plugged, thus could not be sampled.

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0710349
Report Date: 10/25/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710349-01	SMW-1 grab	Ground Water	10/19/07 16:25	10/19/07 15:04

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.7		0.1	C	10/19/07 15:04	HC	E84380
Chloride	SM4500Cl-B	115		1	mg/L	10/23/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	3.05		0.01	mg/L	10/19/07 15:04	HC	E84380
pH - field	150.1	6.87		0.01	std units	10/19/07 15:04	HC	E84380
Specific Conductance-field	120.1	1000		0.1	µmhos/cm	10/19/07 15:04	HC	E84380
Turbidity - field	180.1	4.0		0.1	NTU	10/19/07 15:04	HC	E84380
Water Level-field	DEPSOP	6.99		0.01	feet TOC	10/19/07 15:04	HC	E84380
Water Temperature-field	170.1	27.5		0.1	C	10/19/07 15:04	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	10/19/07 15:04	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710349-02	SMW-2 grab	Ground Water	10/19/07 16:25	10/19/07 13:52

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.5		0.1	C	10/19/07 13:52	HC	E84380
Chloride	SM4500Cl-B	120		1	mg/L	10/23/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	2.71		0.01	mg/L	10/19/07 13:52	HC	E84380
pH - field	150.1	6.85		0.01	std units	10/19/07 13:52	HC	E84380
Specific Conductance-field	120.1	1040		0.1	µmhos/cm	10/19/07 13:52	HC	E84380
Turbidity - field	180.1	1.7		0.1	NTU	10/19/07 13:52	HC	E84380
Water Level-field	DEPSOP	6.74		0.01	feet TOC	10/19/07 13:52	HC	E84380
Water Temperature-field	170.1	26.9		0.1	C	10/19/07 13:52	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	10/19/07 13:52	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710349-03	SMW-3R grab	Ground Water	10/19/07 16:25	10/19/07 14:40

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.7		0.1	C	10/19/07 14:40	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0710349
Report Date: 10/25/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710349-03	SMW-3R grab	Ground Water	10/19/07 16:25	10/19/07 14:40

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	117		1	mg/L	10/23/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	3.46		0.01	mg/L	10/19/07 14:40	HC	E84380
pH - field	150.1	6.70		0.01	std units	10/19/07 14:40	HC	E84380
Specific Conductance-field	120.1	1390		0.1	µmhos/cm	10/19/07 14:40	HC	E84380
Turbidity - field	180.1	1.8		0.1	NTU	10/19/07 14:40	HC	E84380
Water Level-field	DEPSOP	7.78		0.01	feet TOC	10/19/07 14:40	HC	E84380
Water Temperature-field	170.1	28.2		0.1	C	10/19/07 14:40	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	10/19/07 14:40	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710349-04	SMW-4R grab	Ground Water	10/19/07 16:25	10/19/07 14:16

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.5		0.1	C	10/19/07 14:16	HC	E84380
Chloride	SM4500Cl-B	130		1	mg/L	10/23/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	3.03		0.01	mg/L	10/19/07 14:16	HC	E84380
pH - field	150.1	6.70		0.01	std units	10/19/07 14:16	HC	E84380
Specific Conductance-field	120.1	1240		0.1	µmhos/cm	10/19/07 14:16	HC	E84380
Turbidity - field	180.1	2.5		0.1	NTU	10/19/07 14:16	HC	E84380
Water Level-field	DEPSOP	7.72		0.01	feet TOC	10/19/07 14:16	HC	E84380
Water Temperature-field	170.1	28.8		0.1	C	10/19/07 14:16	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	10/19/07 14:16	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0710495
Report Date: 10/30/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710495-01	SMW-1 grab	Ground Water	10/26/07 16:15	10/26/07 14:18

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.1		0.1	C	10/26/07 14:18	HC	E84380
Chloride	SM4500Cl-B	102		1	mg/L	10/29/07 8:00	BB	E84380
Dissolved Oxygen-field	360.1	2.81		0.01	mg/L	10/26/07 14:18	HC	E84380
pH - field	150.1	6.89		0.01	std units	10/26/07 14:18	HC	E84380
Specific Conductance-field	120.1	1090		0.1	µmhos/cm	10/26/07 14:18	HC	E84380
Turbidity - field	180.1	0.5		0.1	NTU	10/26/07 14:18	HC	E84380
Water Level-field	DEPSOP	6.95		0.01	feet TOC	10/26/07 14:18	HC	E84380
Water Temperature-field	170.1	26.7		0.1	C	10/26/07 14:18	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	10/26/07 14:18	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710495-02	SMW-2 grab	Ground Water	10/26/07 16:15	10/26/07 14:41

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.1		0.1	C	10/26/07 14:41	HC	E84380
Chloride	SM4500Cl-B	110		1	mg/L	10/29/07 8:00	BB	E84380
Dissolved Oxygen-field	360.1	3.01		0.01	mg/L	10/26/07 14:41	HC	E84380
pH - field	150.1	6.88		0.01	std units	10/26/07 14:41	HC	E84380
Specific Conductance-field	120.1	1140		0.1	µmhos/cm	10/26/07 14:41	HC	E84380
Turbidity - field	180.1	0.5		0.1	NTU	10/26/07 14:41	HC	E84380
Water Level-field	DEPSOP	6.64		0.01	feet TOC	10/26/07 14:41	HC	E84380
Water Temperature-field	170.1	26.7		0.1	C	10/26/07 14:41	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	10/26/07 14:41	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710495-03	SMW-3-R grab	Ground Water	10/26/07 16:15	10/26/07 13:58

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.1		0.1	C	10/26/07 13:58	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0710495
Report Date: 10/30/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0710495-03	SMW-3-R grab	Ground Water	10/26/07 16:15	10/26/07 13:58

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	110		1	mg/L	10/29/07 8:00	BB	E84380
Dissolved Oxygen-field	360.1	2.91		0.01	mg/L	10/26/07 13:58	HC	E84380
pH - field	150.1	6.73		0.01	std units	10/26/07 13:58	HC	E84380
Specific Conductance-field	120.1	1500		0.1	µmhos/cm	10/26/07 13:58	HC	E84380
Turbidity - field	180.1	0.6		0.1	NTU	10/26/07 13:58	HC	E84380
Water Level-field	DEPSOP	5.68		0.01	feet TOC	10/26/07 13:58	HC	E84380
Water Temperature-field	170.1	28.0		0.1	C	10/26/07 13:58	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	10/26/07 13:58	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
0710495-04	SMW-4-R grab	Ground Water	10/26/07 16:15	10/26/07 13:39

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.1		0.1	C	10/26/07 13:39	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	10/29/07 8:00	BB	E84380
Dissolved Oxygen-field	360.1	2.94		0.01	mg/L	10/26/07 13:39	HC	E84380
pH - field	150.1	6.81		0.01	std units	10/26/07 13:39	HC	E84380
Specific Conductance-field	120.1	1380		0.1	µmhos/cm	10/26/07 13:39	HC	E84380
Turbidity - field	180.1	1.5		0.1	NTU	10/26/07 13:39	HC	E84380
Water Level-field	DEPSOP	7.66		0.01	feet TOC	10/26/07 13:39	HC	E84380
Water Temperature-field	170.1	28.0		0.1	C	10/26/07 13:39	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	10/26/07 13:39	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0711027
Report Date: 11/07/07

Sanders Laboratories, Inc.
Environmental Testing Labs

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711027-01	SMW-1 grab	Ground Water	11/2/07 16:00	11/2/07 14:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.7		0.1	C	11/2/07 14:20	HC	E84380
Chloride	SM4500Cl-B	105		1	mg/L	11/6/07 12:30	BB	E84380
Dissolved Oxygen-field	360.1	3.79		0.01	mg/L	11/2/07 14:20	HC	E84380
pH - field	150.1	6.91		0.01	std units	11/2/07 14:20	HC	E84380
Specific Conductance-field	120.1	873		0.1	µmhos/cm	11/2/07 14:20	HC	E84380
Turbidity - field	180.1	9.5		0.1	NTU	11/2/07 14:20	HC	E84380
Water Level-field	DEPSOP	5.83		0.01	feet TOC	11/2/07 14:20	HC	E84380
Water Temperature-field	170.1	26.9		0.1	C	11/2/07 14:20	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/2/07 14:20	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711027-02	SMW-2 grab	Ground Water	11/2/07 16:00	11/2/07 13:53

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.7		0.1	C	11/2/07 13:53	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	11/6/07 12:30	BB	E84380
Dissolved Oxygen-field	360.1	3.75		0.01	mg/L	11/2/07 13:53	HC	E84380
pH - field	150.1	6.77		0.01	std units	11/2/07 13:53	HC	E84380
Specific Conductance-field	120.1	896		0.1	µmhos/cm	11/2/07 13:53	HC	E84380
Turbidity - field	180.1	1.7		0.1	NTU	11/2/07 13:53	HC	E84380
Water Level-field	DEPSOP	4.43		0.01	feet TOC	11/2/07 13:53	HC	E84380
Water Temperature-field	170.1	26.9		0.1	C	11/2/07 13:53	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/2/07 13:53	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711027-03	SMW-3-R grab	Ground Water	11/2/07 16:00	11/2/07 14:40

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.7		0.1	C	11/2/07 14:40	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0711027
Report Date: 11/07/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711027-03	SMW-3-R grab	Ground Water	11/2/07 16:00	11/2/07 14:40

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	107		1	mg/L	11/6/07 12:30	BB	E84380
Dissolved Oxygen-field	360.1	3.78		0.01	mg/L	11/2/07 14:40	HC	E84380
pH - field	150.1	6.83		0.01	std units	11/2/07 14:40	HC	E84380
Specific Conductance-field	120.1	1190		0.1	µmhos/cm	11/2/07 14:40	HC	E84380
Turbidity - field	180.1	0.3		0.1	NTU	11/2/07 14:40	HC	E84380
Water Level-field	DEPSOP	7.94		0.01	feet TOC	11/2/07 14:40	HC	E84380
Water Temperature-field	170.1	27.7		0.1	C	11/2/07 14:40	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/2/07 14:40	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711027-04	SMW-4-R grab	Ground Water	11/2/07 16:00	11/2/07 13:22

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.7		0.1	C	11/2/07 13:22	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	11/6/07 12:30	BB	E84380
Dissolved Oxygen-field	360.1	3.51		0.01	mg/L	11/2/07 13:22	HC	E84380
pH - field	150.1	6.61		0.01	std units	11/2/07 13:22	HC	E84380
Specific Conductance-field	120.1	1090		0.1	µmhos/cm	11/2/07 13:22	HC	E84380
Turbidity - field	180.1	2.8		0.1	NTU	11/2/07 13:22	HC	E84380
Water Level-field	DEPSOP	8.91		0.01	feet TOC	11/2/07 13:22	HC	E84380
Water Temperature-field	170.1	28.0		0.1	C	11/2/07 13:22	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/2/07 13:22	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0711083
Report Date: 11/13/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711083-03	SMW-3-R grab	Ground Water	11/7/07 16:00	11/7/07 7:27

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	105		1	mg/L	11/12/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	2.46		0.01	mg/L	11/7/07 7:27	HC	E84380
pH - field	150.1	6.44		0.01	std units	11/7/07 7:27	HC	E84380
Specific Conductance-field	120.1	1820		0.1	µmhos/cm	11/7/07 7:27	HC	E84380
Turbidity - field	180.1	1.0		0.1	NTU	11/7/07 7:27	HC	E84380
Water Level-field	DEPSOP	5.33		0.01	feet TOC	11/7/07 7:27	HC	E84380
Water Temperature-field	170.1	25.9		0.1	C	11/7/07 7:27	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/7/07 7:27	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711083-04	SMW-4-R grab	Ground Water	11/7/07 16:00	11/7/07 8:21

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	16.7		0.1	C	11/7/07 8:21	HC	E84380
Chloride	SM4500Cl-B	120		1	mg/L	11/12/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	2.54		0.01	mg/L	11/7/07 8:21	HC	E84380
pH - field	150.1	6.18		0.01	std units	11/7/07 8:21	HC	E84380
Specific Conductance-field	120.1	1680		0.1	µmhos/cm	11/7/07 8:21	HC	E84380
Turbidity - field	180.1	8.6		0.1	NTU	11/7/07 8:21	HC	E84380
Water Level-field	DEPSOP	8.06		0.01	feet TOC	11/7/07 8:21	HC	E84380
Water Temperature-field	170.1	26.9		0.1	C	11/7/07 8:21	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	11/7/07 8:21	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0711083
Report Date: 11/13/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711083-01	SMW-1 grab	Ground Water	11/7/07 16:00	11/7/07 7:46

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	16.5		0.1	C	11/7/07 7:46	HC	E84380
Chloride	SM4500Cl-B	105		1	mg/L	11/12/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	2.53		0.01	mg/L	11/7/07 7:46	HC	E84380
pH - field	150.1	6.80		0.01	std units	11/7/07 7:46	HC	E84380
Specific Conductance-field	120.1	1330		0.1	µmhos/cm	11/7/07 7:46	HC	E84380
Turbidity - field	180.1	11.3		0.1	NTU	11/7/07 7:46	HC	E84380
Water Level-field	DEPSOP	5.74		0.01	feet TOC	11/7/07 7:46	HC	E84380
Water Temperature-field	170.1	25.9		0.1	C	11/7/07 7:46	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/7/07 7:46	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711083-02	SMW-2 grab	Ground Water	11/7/07 16:00	11/7/07 8:03

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	16.7		0.1	C	11/7/07 8:03	HC	E84380
Chloride	SM4500Cl-B	120		1	mg/L	11/12/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	2.59		0.01	mg/L	11/7/07 8:03	HC	E84380
pH - field	150.1	6.39		0.01	std units	11/7/07 8:03	HC	E84380
Specific Conductance-field	120.1	1380		0.1	µmhos/cm	11/7/07 8:03	HC	E84380
Turbidity - field	180.1	3.2		0.1	NTU	11/7/07 8:03	HC	E84380
Water Level-field	DEPSOP	4.72		0.01	feet TOC	11/7/07 8:03	HC	E84380
Water Temperature-field	170.1	26.2		0.1	C	11/7/07 8:03	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	11/7/07 8:03	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711083-03	SMW-3-R grab	Ground Water	11/7/07 16:00	11/7/07 7:27

lysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	16.5		0.1	C	11/7/07 7:27	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0711304
Report Date: 11/20/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711304-01	SMW-1 grab	Ground Water	11/19/07 7:15	11/17/07 10:29

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	22.4		0.1	C	11/17/07 10:29	HC	E84380
Chloride	SM4500Cl-B	115		1	mg/L	11/19/07 9:00	BB	E84380
Dissolved Oxygen-field	360.1	4.86		0.01	mg/L	11/17/07 10:29	HC	E84380
pH - field	150.1	7.08		0.01	std units	11/17/07 10:29	HC	E84380
Specific Conductance-field	120.1	1150		0.1	µmhos/cm	11/17/07 10:29	HC	E84380
Turbidity - field	180.1	10.0		0.1	NTU	11/17/07 10:29	HC	E84380
Water Level-field	DEPSOP	5.71		0.01	feet TOC	11/17/07 10:29	HC	E84380
Water Temperature-field	170.1	26.2		0.1	C	11/17/07 10:29	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	11/17/07 10:29	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711304-02	SMW-2 grab	Ground Water	11/19/07 7:15	11/17/07 10:49

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	23.1		0.1	C	11/17/07 10:49	HC	E84380
Chloride	SM4500Cl-B	122		1	mg/L	11/19/07 9:00	BB	E84380
Dissolved Oxygen-field	360.1	4.48		0.01	mg/L	11/17/07 10:49	HC	E84380
pH - field	150.1	7.01		0.01	std units	11/17/07 10:49	HC	E84380
Specific Conductance-field	120.1	1190		0.1	µmhos/cm	11/17/07 10:49	HC	E84380
Turbidity - field	180.1	6.1		0.1	NTU	11/17/07 10:49	HC	E84380
Water Level-field	DEPSOP	4.60		0.01	feet TOC	11/17/07 10:49	HC	E84380
Water Temperature-field	170.1	26.2		0.1	C	11/17/07 10:49	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	11/17/07 10:49	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711304-03	SMW-3-R grab	Ground Water	11/19/07 7:15	11/17/07 10:07

lysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	22.4		0.1	C	11/17/07 10:07	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0711304
Report Date: 11/20/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711304-03	SMW-3-R grab	Ground Water	11/19/07 7:15	11/17/07 10:07

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	115		1	mg/L	11/19/07 9:00	BB	E84380
Dissolved Oxygen-field	360.1	4.87		0.01	mg/L	11/17/07 10:07	HC	E84380
pH - field	150.1	6.94		0.01	std units	11/17/07 10:07	HC	E84380
Specific Conductance-field	120.1	1560		0.1	µmhos/cm	11/17/07 10:07	HC	E84380
Turbidity - field	180.1	6.0		0.1	NTU	11/17/07 10:07	HC	E84380
Water Level-field	DEPSOP	5.58		0.01	feet TOC	11/17/07 10:07	HC	E84380
Water Temperature-field	170.1	26.0		0.1	C	11/17/07 10:07	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	11/17/07 10:07	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711304-04	SMW-4-R grab	Ground Water	11/19/07 7:15	11/17/07 11:17

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	23.4		0.1	C	11/17/07 11:17	HC	E84380
Chloride	SM4500Cl-B	125		1	mg/L	11/19/07 9:00	BB	E84380
Dissolved Oxygen-field	360.1	4.60		0.01	mg/L	11/17/07 11:17	HC	E84380
pH - field	150.1	6.91		0.01	std units	11/17/07 11:17	HC	E84380
Specific Conductance-field	120.1	1460		0.1	µmhos/cm	11/17/07 11:17	HC	E84380
Turbidity - field	180.1	4.5		0.1	NTU	11/17/07 11:17	HC	E84380
Water Level-field	DEPSOP	8.15		0.01	feet TOC	11/17/07 11:17	HC	E84380
Water Temperature-field	170.1	27.2		0.1	C	11/17/07 11:17	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	11/17/07 11:17	HC	E84380

Approved by:

Comments:

Kathrine Barnklewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0711342
Report Date: 11/27/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711342-01	SMW-1 grab	Ground Water	11/23/07 7:00	11/21/07 11:27

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	35.8		0.1	C	11/21/07 11:27	HC	E84380
Chloride	SM4500Cl-B	110		1	mg/L	11/27/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	3.71		0.01	mg/L	11/21/07 11:27	HC	E84380
pH - field	150.1	7.01		0.01	std units	11/21/07 11:27	HC	E84380
Specific Conductance-field	120.1	1170		0.1	µmhos/cm	11/21/07 11:27	HC	E84380
Turbidity - field	180.1	3.6		0.1	NTU	11/21/07 11:27	HC	E84380
Water Level-field	DEPSOP	5.78		0.01	feet TOC	11/21/07 11:27	HC	E84380
Water Temperature-field	170.1	26.4		0.1	C	11/21/07 11:27	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/21/07 11:27	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711342-02	SMW-2 grab	Ground Water	11/23/07 7:00	11/21/07 11:03

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	35.0		0.1	C	11/21/07 11:03	HC	E84380
Chloride	SM4500Cl-B	115		1	mg/L	11/27/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	3.89		0.01	mg/L	11/21/07 11:03	HC	E84380
pH - field	150.1	7.00		0.01	std units	11/21/07 11:03	HC	E84380
Specific Conductance-field	120.1	1190		0.1	µmhos/cm	11/21/07 11:03	HC	E84380
Turbidity - field	180.1	7.0		0.1	NTU	11/21/07 11:03	HC	E84380
Water Level-field	DEPSOP	5.08		0.01	feet TOC	11/21/07 11:03	HC	E84380
Water Temperature-field	170.1	26.4		0.1	C	11/21/07 11:03	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/21/07 11:03	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0711342-03	SMW-3-R grab	Ground Water	11/23/07 7:00	11/21/07 11:49

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	35.0		0.1	C	11/21/07 11:49	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0711342
Report Date: 11/27/07

Laboratory Results

Lab ID	Client Sample ID	Sample Source	Received Date/Time	Sample Date/Time
N0711342-03	SMW-3-R grab	Ground Water	11/23/07 7:00	11/21/07 11:49

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	117		1	mg/L	11/27/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	3.57		0.01	mg/L	11/21/07 11:49	HC	E84380
pH - field	150.1	6.83		0.01	std units	11/21/07 11:49	HC	E84380
Specific Conductance-field	120.1	1560		0.1	µmhos/cm	11/21/07 11:49	HC	E84380
Turbidity - field	180.1	1.7		0.1	NTU	11/21/07 11:49	HC	E84380
Water Level-field	DEPSOP	5.76		0.01	feet TOC	11/21/07 11:49	HC	E84380
Water Temperature-field	170.1	26.3		0.1	C	11/21/07 11:49	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/21/07 11:49	HC	E84380

Lab ID	Client Sample ID	Sample Source	Received Date/Time	Sample Date/Time
N0711342-04	SMW-4-R grab	Ground Water	11/23/07 7:00	11/21/07 12:21

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	35.0		0.1	C	11/21/07 12:21	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	11/27/07 8:30	BB	E84380
Dissolved Oxygen-field	360.1	3.63		0.01	mg/L	11/21/07 12:21	HC	E84380
pH - field	150.1	6.86		0.01	std units	11/21/07 12:21	HC	E84380
Specific Conductance-field	120.1	1470		0.1	µmhos/cm	11/21/07 12:21	HC	E84380
Turbidity - field	180.1	2.0		0.1	NTU	11/21/07 12:21	HC	E84380
Water Level-field	DEPSOP	8.10		0.01	feet TOC	11/21/07 12:21	HC	E84380
Water Temperature-field	170.1	27.1		0.1	C	11/21/07 12:21	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/21/07 12:21	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0711435
Report Date: 12/05/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Young[illegible]hers, Inc.
15465 Pi[illegible]ge Road
Ft. Myers, FL 33908

N0711435-01	SMW-1 grab	Ground Water		11/30/07 17:00		11/30/07 15:08	
Analysis	**Method**	**Results**	**Qual**	**Detection Limit**	**Units**	**AnalysisDate/Time**	**Analyst**	**Cert ID**
Air Temperature-field	170.1	32.0		0.1	C	11/30/07 15:08	HC	E84380
Chloride	SM4500Cl-B	112		1	mg/L	12/3/07 9:30	BB	E84380
Dissolved Oxygen-field	360.1	2.71		0.01	mg/L	11/30/07 15:08	HC	E84380
pH - field	150.1	6.96		0.01	std units	11/30/07 15:08	HC	E84380
Specific Conductance-field	120.1	1170		0.1	µmhos/cm	11/30/07 15:08	HC	E84380
Turbidity - field	180.1	27.6		0.1	NTU	11/30/07 15:08	HC	E84380
Water Level-field	DEPSOP	5.24		0.01	feet TOC	11/30/07 15:08	HC	E84380
Water Temperature-field	170.1	26.2		0.1	C	11/30/07 15:08	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/30/07 15:08	HC	E84380

N0711435-02	SMW-2 grab	Ground Water		11/30/07 17:00		11/30/07 15:28	
Analysis	**Method**	**Results**	**Qual**	**Detection Limit**	**Units**	**AnalysisDate/Time**	**Analyst**	**Cert ID**
Air Temperature-field	170.1	32.0		0.1	C	11/30/07 15:28	HC	E84380
Chloride	SM4500Cl-B	125		1	mg/L	12/3/07 9:30	BB	E84380
Dissolved Oxygen-field	360.1	1.84		0.01	mg/L	11/30/07 15:28	HC	E84380
pH - field	150.1	6.93		0.01	std units	11/30/07 15:28	HC	E84380
Specific Conductance-field	120.1	1200		0.1	µmhos/cm	11/30/07 15:28	HC	E84380
Turbidity - field	180.1	3.2		0.1	NTU	11/30/07 15:28	HC	E84380
Water Level-field	DEPSOP	4.59		0.01	feet TOC	11/30/07 15:28	HC	E84380
Water Temperature-field	170.1	26.0		0.1	C	11/30/07 15:28	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/30/07 15:28	HC	E84380

N0711435-03	SMW-3-R grab	Ground Water		11/30/07 17:00		11/30/07 14:48	
Analysis	**Method**	**Results**	**Qual**	**Detection Limit**	**Units**	**AnalysisDate/Time**	**Analyst**	**Cert ID**
[illegible]ir Temperature-field	170.1	32.0		0.1	C	11/30/07 14:48	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0711435
Report Date: 12/05/07

Laboratory Results

N0711435-03 SMW-3-R grab — Ground Water — 11/30/07 17:00 — 11/30/07 14:48

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	97		1	mg/L	12/3/07 9:30	BB	E84380
Dissolved Oxygen-field	360.1	2.83		0.01	mg/L	11/30/07 14:48	HC	E84380
pH - field	150.1	6.78		0.01	std units	11/30/07 14:48	HC	E84380
Specific Conductance-field	120.1	1310		0.1	µmhos/cm	11/30/07 14:48	HC	E84380
Turbidity - field	180.1	2.6		0.1	NTU	11/30/07 14:48	HC	E84380
Water Level-field	DEPSOP	5.25		0.01	feet TOC	11/30/07 14:48	HC	E84380
Water Temperature-field	170.1	26.8		0.1	C	11/30/07 14:48	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/30/07 14:48	HC	E84380

N0711435-04 SMW-4-R grab — Ground Water — 11/30/07 17:00 — 11/30/07 15:50

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	32.0		0.1	C	11/30/07 15:50	HC	E84380
Chloride	SM4500Cl-B	127		1	mg/L	12/3/07 9:30	BB	E84380
Dissolved Oxygen-field	360.1	3.19		0.01	mg/L	11/30/07 15:50	HC	E84380
pH - field	150.1	6.79		0.01	std units	11/30/07 15:50	HC	E84380
Specific Conductance-field	120.1	1510		0.1	µmhos/cm	11/30/07 15:50	HC	E84380
Turbidity - field	180.1	2.1		0.1	NTU	11/30/07 15:50	HC	E84380
Water Level-field	DEPSOP	7.89		0.01	feet TOC	11/30/07 15:50	HC	E84380
Water Temperature-field	170.1	26.8		0.1	C	11/30/07 15:50	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	11/30/07 15:50	HC	E84380

Approved by:

Katharine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Comments:

John Curley 239 560 4519

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0712089
Report Date: 12/11/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712089-01	SMW-1 grab	Ground Water	12/7/07 16:30	12/7/07 15:12

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	33.5		0.1	C	12/7/07 15:12	HC	E84380
Chloride	SM4500Cl-B	115		1	mg/L	12/10/07 9:45	BB	E84380
Dissolved Oxygen-field	360.1	2.97		0.01	mg/L	12/7/07 15:12	HC	E84380
pH - field	150.1	7.00		0.01	std units	12/7/07 15:12	HC	E84380
Specific Conductance-field	120.1	1170		0.1	µmhos/cm	12/7/07 15:12	HC	E84380
Turbidity - field	180.1	2.9		0.1	NTU	12/7/07 15:12	HC	E84380
Water Level-field	DEPSOP	5.61		0.01	feet TOC	12/7/07 15:12	HC	E84380
Water Temperature-field	170.1	26.3		0.1	C	12/7/07 15:12	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	12/7/07 15:12	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712089-02	SMW-2 grab	Ground Water	12/7/07 16:30	12/7/07 14:16

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	33.5		0.1	C	12/7/07 14:16	HC	E84380
Chloride	SM4500Cl-B	135		1	mg/L	12/10/07 9:45	BB	E84380
Dissolved Oxygen-field	360.1	3.27		0.01	mg/L	12/7/07 14:16	HC	E84380
pH - field	150.1	7.07		0.01	std units	12/7/07 14:16	HC	E84380
Specific Conductance-field	120.1	1220		0.1	µmhos/cm	12/7/07 14:16	HC	E84380
Turbidity - field	180.1	4.5		0.1	NTU	12/7/07 14:16	HC	E84380
Water Level-field	DEPSOP	4.68		0.01	feet TOC	12/7/07 14:16	HC	E84380
Water Temperature-field	170.1	26.7		0.1	C	12/7/07 14:16	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	12/7/07 14:16	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712089-03	SMW-3-R grab	Ground Water	12/7/07 16:30	12/7/07 13:47

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Temperature-field	170.1	33.5		0.1	C	12/7/07 13:47	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0712089
Report Date: 12/11/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712089-03	SMW-3-R grab	Ground Water	12/7/07 16:30	12/7/07 13:47

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	82		1	mg/L	12/10/07 9:45	BB	E84380
Dissolved Oxygen-field	360.1	3.64		0.01	mg/L	12/7/07 13:47	HC	E84380
pH - field	150.1	6.98		0.01	std units	12/7/07 13:47	HC	E84380
Specific Conductance-field	120.1	1120		0.1	µmhos/cm	12/7/07 13:47	HC	E84380
Turbidity - field	180.1	2.6		0.1	NTU	12/7/07 13:47	HC	E84380
Water Level-field	DEPSOP	5.86		0.01	feet TOC	12/7/07 13:47	HC	E84380
Water Temperature-field	170.1	26.8		0.1	C	12/7/07 13:47	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	12/7/07 13:47	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712089-04	SMW-4-R grab	Ground Water	12/7/07 16:30	12/7/07 14:46

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	33.5		0.1	C	12/7/07 14:46	HC	E84380
Chloride	SM4500Cl-B	115		1	mg/L	12/10/07 9:45	BB	E84380
Dissolved Oxygen-field	360.1	2.34		0.01	mg/L	12/7/07 14:46	HC	E84380
pH - field	150.1	6.80		0.01	std units	12/7/07 14:46	HC	E84380
Specific Conductance-field	120.1	1520		0.1	µmhos/cm	12/7/07 14:46	HC	E84380
Turbidity - field	180.1	3.5		0.1	NTU	12/7/07 14:46	HC	E84380
Water Level-field	DEPSOP	8.08		0.01	feet TOC	12/7/07 14:46	HC	E84380
Water Temperature-field	170.1	26.8		0.1	C	12/7/07 14:46	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	12/7/07 14:46	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Komonacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0712200
Report Date: 12/19/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

N0712200-01	SMW-1 grab	Ground Water	12/14/07 15:40	12/14/07 13:24

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	33.5		0.1	C	12/14/07 13:24	HC	E84380
Chloride	SM4500Cl-B	105		1	mg/L	12/18/07 10:00	BB	E84380
Dissolved Oxygen-field	360.1	1.97		0.01	mg/L	12/14/07 13:24	HC	E84380
pH - field	150.1	7.04		0.01	std units	12/14/07 13:24	HC	E84380
Specific Conductance-field	120.1	1180		0.1	µmhos/cm	12/14/07 13:24	HC	E84380
Turbidity - field	EPA180.1	5.2		0.1	NTU	12/14/07 13:24	HC	E84380
Water Level-field	DEPSOP	5.56		0.01	feet TOC	12/14/07 13:24	HC	E84380
Water Temperature-field	170.1	26.3		0.1	C	12/14/07 13:24	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	12/14/07 13:24	HC	E84380

N0712200-02	SMW-2 grab	Ground Water	12/14/07 15:40	12/14/07 13:47

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	33.5		0.1	C	12/14/07 13:47	HC	E84380
Chloride	SM4500Cl-B	162		1	mg/L	12/18/07 10:00	BB	E84380
Dissolved Oxygen-field	360.1	2.87		0.01	mg/L	12/14/07 13:47	HC	E84380
pH - field	150.1	7.13		0.01	std units	12/14/07 13:47	HC	E84380
Specific Conductance-field	120.1	1400		0.1	µmhos/cm	12/14/07 13:47	HC	E84380
Turbidity - field	EPA180.1	27.7		0.1	NTU	12/14/07 13:47	HC	E84380
Water Level-field	DEPSOP	4.85		0.01	feet TOC	12/14/07 13:47	HC	E84380
Water Temperature-field	170.1	26.3		0.1	C	12/14/07 13:47	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	12/14/07 13:47	HC	E84380

N0712200-03	SMW-3-R grab	Ground Water	12/14/07 15:40	12/14/07 13:07

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Temperature-field	170.1	33.5		0.1	C	12/14/07 13:07	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0712200
Report Date: 12/19/07

Laboratory Results

N0712200-03	SMW-3-R grab	Ground Water	12/14/07 15:40		12/14/07 13:07

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	90		1	mg/L	12/18/07 10:00	BB	E84380
Dissolved Oxygen-field	360.1	2.51		0.01	mg/L	12/14/07 13:07	HC	E84380
pH - field	150.1	6.94		0.01	std units	12/14/07 13:07	HC	E84380
Specific Conductance-field	120.1	1270		0.1	µmhos/cm	12/14/07 13:07	HC	E84380
Turbidity - field	EPA180.1	1.7		0.1	NTU	12/14/07 13:07	HC	E84380
Water Level-field	DEPSOP	5.74		0.01	feet TOC	12/14/07 13:07	HC	E84380
Water Temperature-field	170.1	26.4		0.1	C	12/14/07 13:07	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	12/14/07 13:07	HC	E84380

N0712200-04	SMW-4-R grab	Ground Water	12/14/07 15:40		12/14/07 14:11

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	33.5		0.1	C	12/14/07 14:11	HC	E84380
Chloride	SM4500Cl-B	127		1	mg/L	12/18/07 10:00	BB	E84380
Dissolved Oxygen-field	360.1	1.92		0.01	mg/L	12/14/07 14:11	HC	E84380
pH - field	150.1	6.82		0.01	std units	12/14/07 14:11	HC	E84380
Specific Conductance-field	120.1	1530		0.1	µmhos/cm	12/14/07 14:11	HC	E84380
Turbidity - field	EPA180.1	3.5		0.1	NTU	12/14/07 14:11	HC	E84380
Water Level-field	DEPSOP	8.11		0.01	feet TOC	12/14/07 14:11	HC	E84380
Water Temperature-field	170.1	26.9		0.1	C	12/14/07 14:11	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	12/14/07 14:11	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0712337
Report Date: 12/26/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712337-01	SMW-1 grab	Ground Water	12/20/07 12:05	12/20/07 9:27

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	22.0		0.1	C	12/20/07 9:27	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	12/21/07 13:30	AK	E84380
Dissolved Oxygen-field	360.1	2.14		0.01	mg/L	12/20/07 9:27	HC	E84380
pH - field	150.1	6.93		0.01	std units	12/20/07 9:27	HC	E84380
Specific Conductance-field	120.1	1190		0.1	µmhos/cm	12/20/07 9:27	HC	E84380
Turbidity - field	EPA180.1	2.4		0.1	NTU	12/20/07 9:27	HC	E84380
'ater Level-field	DEPSOP	4.93		0.01	feet TOC	12/20/07 9:27	HC	E84380
Water Temperature-field	170.1	25.7		0.1	C	12/20/07 9:27	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	12/20/07 9:27	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712337-02	SMW-2 grab	Ground Water	12/20/07 12:05	12/20/07 10:13

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	22.6		0.1	C	12/20/07 10:13	HC	E84380
Chloride	SM4500Cl-B	230		1	mg/L	12/21/07 13:30	AK	E84380
Dissolved Oxygen-field	360.1	2.30		0.01	mg/L	12/20/07 10:13	HC	E84380
pH - field	150.1	7.07		0.01	std units	12/20/07 10:13	HC	E84380
Specific Conductance-field	120.1	1650		0.1	µmhos/cm	12/20/07 10:13	HC	E84380
Turbidity - field	EPA180.1	44.6		0.1	NTU	12/20/07 10:13	HC	E84380
Water Level-field	DEPSOP	4.90		0.01	feet TOC	12/20/07 10:13	HC	E84380
Water Temperature-field	170.1	25.2		0.1	C	12/20/07 10:13	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	12/20/07 10:13	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712337-03	SMW-3-R grab	Ground Water	12/20/07 12:05	12/20/07 9:47

'lysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	22.3		0.1	C	12/20/07 9:47	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0712337
Report Date: 12/26/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712337-03	SMW-3-R grab	Ground Water	12/20/07 12:05	12/20/07 9:47

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	102		1	mg/L	12/21/07 13:30	AK	E84380
Dissolved Oxygen-field	360.1	2.63		0.01	mg/L	12/20/07 9:47	HC	E84380
pH - field	150.1	6.94		0.01	std units	12/20/07 9:47	HC	E84380
Specific Conductance-field	120.1	1350		0.1	µmhos/cm	12/20/07 9:47	HC	E84380
Turbidity - field	EPA180.1	2.7		0.1	NTU	12/20/07 9:47	HC	E84380
Water Level-field	DEPSOP	4.92		0.01	feet TOC	12/20/07 9:47	HC	E84380
Water Temperature-field	170.1	25.4		0.1	C	12/20/07 9:47	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	12/20/07 9:47	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712337-04	SMW-4-R grab	Ground Water	12/20/07 12:05	12/20/07 10:39

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	22.6		0.1	C	12/20/07 10:39	HC	E84380
Chloride	SM4500Cl-B	127		1	mg/L	12/21/07 13:30	AK	E84380
Dissolved Oxygen-field	360.1	2.00		0.01	mg/L	12/20/07 10:39	HC	E84380
pH - field	150.1	6.80		0.01	std units	12/20/07 10:39	HC	E84380
Specific Conductance-field	120.1	1530		0.1	µmhos/cm	12/20/07 10:39	HC	E84380
Turbidity - field	EPA180.1	2.8		0.1	NTU	12/20/07 10:39	HC	E84380
Water Level-field	DEPSOP	8.28		0.01	feet TOC	12/20/07 10:39	HC	E84380
Water Temperature-field	170.1	26.6		0.1	C	12/20/07 10:39	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	12/20/07 10:39	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0712399
Report Date: 12/31/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712399-01	SMW-1 grab	Ground Water	12/28/07 13:25	12/28/07 10:03

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.6		0.1	C	12/28/07 10:03	HC	E84380
Chloride	SM4500Cl-B	107		1	mg/L	12/31/07 8:45	BB	E84380
Dissolved Oxygen-field	360.1	2.43		0.01	mg/L	12/28/07 10:03	HC	E84380
pH - field	150.1	6.98		0.01	std units	12/28/07 10:03	HC	E84380
Specific Conductance-field	120.1	1190		0.1	µmhos/cm	12/28/07 10:03	HC	E84380
Turbidity - field	EPA180.1	3.5		0.1	NTU	12/28/07 10:03	HC	E84380
Water Level-field	DEPSOP	5.56		0.01	feet TOC	12/28/07 10:03	HC	E84380
Water Temperature-field	170.1	25.7		0.1	C	12/28/07 10:03	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	12/28/07 10:03	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712399-02	SMW-2 grab	Ground Water	12/28/07 13:25	12/28/07 10:36

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.6		0.1	C	12/28/07 10:36	HC	E84380
Chloride	SM4500Cl-B	175		1	mg/L	12/31/07 8:45	BB	E84380
Dissolved Oxygen-field	360.1	1.87		0.01	mg/L	12/28/07 10:36	HC	E84380
pH - field	150.1	6.97		0.01	std units	12/28/07 10:36	HC	E84380
Specific Conductance-field	120.1	1480		0.1	µmhos/cm	12/28/07 10:36	HC	E84380
Turbidity - field	EPA180.1	37.9		0.1	NTU	12/28/07 10:36	HC	E84380
Water Level-field	DEPSOP	4.78		0.01	feet TOC	12/28/07 10:36	HC	E84380
Water Temperature-field	170.1	25.4		0.1	C	12/28/07 10:36	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	12/28/07 10:36	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712399-03	SMW-3-R grab	Ground Water	12/28/07 13:25	12/28/07 9:43

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.5		0.1	C	12/28/07 9:43	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0712399
Report Date: 12/31/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712399-03	SMW-3-R grab	Ground Water	12/28/07 13:25	12/28/07 9:43

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	105		1	mg/L	12/31/07 8:45	BB	E84380
Dissolved Oxygen-field	360.1	2.18		0.01	mg/L	12/28/07 9:43	HC	E84380
pH - field	150.1	6.79		0.01	std units	12/28/07 9:43	HC	E84380
Specific Conductance-field	120.1	1410		0.1	µmhos/cm	12/28/07 9:43	HC	E84380
Turbidity - field	EPA180.1	1.8		0.1	NTU	12/28/07 9:43	HC	E84380
Water Level-field	DEPSOP	6.15		0.01	feet TOC	12/28/07 9:43	HC	E84380
Water Temperature-field	170.1	25.0		0.1	C	12/28/07 9:43	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	12/28/07 9:43	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712399-04	SMW-4-R grab	Ground Water	12/28/07 13:25	12/28/07 11:07

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.7		0.1	C	12/28/07 11:07	HC	E84380
Chloride	SM4500Cl-B	135		1	mg/L	12/31/07 8:45	BB	E84380
Dissolved Oxygen-field	360.1	1.83		0.01	mg/L	12/28/07 11:07	HC	E84380
pH - field	150.1	6.76		0.01	std units	12/28/07 11:07	HC	E84380
Specific Conductance-field	120.1	1540		0.1	µmhos/cm	12/28/07 11:07	HC	E84380
Turbidity - field	EPA180.1	5.0		0.1	NTU	12/28/07 11:07	HC	E84380
Water Level-field	DEPSOP	8.19		0.01	feet TOC	12/28/07 11:07	HC	E84380
Water Temperature-field	170.1	26.4		0.1	C	12/28/07 11:07	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	12/28/07 11:07	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0801047
Report Date: 01/10/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

N0801047-01	SMW-1 grab	Ground Water	1/4/08 17:20		1/4/08 14:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	21.1		0.1	C	1/4/08 14:20	HC	E84380
Chloride	SM4500Cl-B	100		1	mg/L	1/8/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	2.48		0.01	mg/L	1/4/08 14:20	HC	E84380
pH - field	150.1	6.95		0.01	std units	1/4/08 14:20	HC	E84380
Specific Conductance-field	120.1	1170		0.1	µmhos/cm	1/4/08 14:20	HC	E84380
Turbidity - field	EPA180.1	6.1		0.1	NTU	1/4/08 14:20	HC	E84380
Water Level-field	DEPSOP	5.96		0.01	feet TOC	1/4/08 14:20	HC	E84380
Water Temperature-field	170.1	24.2		0.1	C	1/4/08 14:20	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	1/4/08 14:20	HC	E84380

N0801047-02	SMW-2 grab	Ground Water	1/4/08 17:20		1/4/08 14:38

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	21.1		0.1	C	1/4/08 14:38	HC	E84380
Chloride	SM4500Cl-B	160		1	mg/L	1/8/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	2.61		0.01	mg/L	1/4/08 14:38	HC	E84380
pH - field	150.1	7.04		0.01	std units	1/4/08 14:38	HC	E84380
Specific Conductance-field	120.1	1430		0.1	µmhos/cm	1/4/08 14:38	HC	E84380
Turbidity - field	EPA180.1	9.6		0.1	NTU	1/4/08 14:38	HC	E84380
Water Level-field	DEPSOP	5.00		0.01	feet TOC	1/4/08 14:38	HC	E84380
Water Temperature-field	170.1	24.3		0.1	C	1/4/08 14:38	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	1/4/08 14:38	HC	E84380

N0801047-03	SMW-3-R grab	Ground Water	1/4/08 17:20		1/4/08 13:57

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Temperature-field	170.1	21.1		0.1	C	1/4/08 13:57	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0801047
Report Date: 01/10/08

Laboratory Results

N0801047-03	SMW-3-R grab	Ground Water	1/4/08 17:20		1/4/08 13:57

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	90		1	mg/L	1/8/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	2.67		0.01	mg/L	1/4/08 13:57	HC	E84380
pH - field	150.1	6.94		0.01	std units	1/4/08 13:57	HC	E84380
Specific Conductance-field	120.1	1440		0.1	µmhos/cm	1/4/08 13:57	HC	E84380
Turbidity - field	EPA180.1	2.9		0.1	NTU	1/4/08 13:57	HC	E84380
Water Level-field	DEPSOP	5.98		0.01	feet TOC	1/4/08 13:57	HC	E84380
Water Temperature-field	170.1	23.9		0.1	C	1/4/08 13:57	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	1/4/08 13:57	HC	E84380

N0801047-04	SMW-4-R grab	Ground Water	1/4/08 17:20		1/4/08 15:08

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	21.1		0.1	C	1/4/08 15:08	HC	E84380
Chloride	SM4500Cl-B	125		1	mg/L	1/8/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	2.74		0.01	mg/L	1/4/08 15:08	HC	E84380
pH - field	150.1	6.92		0.01	std units	1/4/08 15:08	HC	E84380
Specific Conductance-field	120.1	1540		0.1	µmhos/cm	1/4/08 15:08	HC	E84380
Turbidity - field	EPA180.1	6.3		0.1	NTU	1/4/08 15:08	HC	E84380
Water Level-field	DEPSOP	8.28		0.01	feet TOC	1/4/08 15:08	HC	E84380
Water Temperature-field	170.1	25.2		0.1	C	1/4/08 15:08	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	1/4/08 15:08	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Kongnicki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0801121
Report Date: 01/17/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801121-01	SMW-1 grab	Ground Water	1/10/08 16:10	1/10/08 10:02

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.6		0.1	C	1/10/08 10:02	HC	E84380
Chloride	SM4500Cl-B	112		1	mg/L	1/14/08 9:30	BB	E84380
Dissolved Oxygen-field	360.1	2.43		0.01	mg/L	1/10/08 10:02	HC	E84380
pH - field	150.1	6.67		0.01	std units	1/10/08 10:02	HC	E84380
Specific Conductance-field	120.1	1170		0.1	µmhos/cm	1/10/08 10:02	HC	E84380
Turbidity - field	EPA180.1	5.3		0.1	NTU	1/10/08 10:02	HC	E84380
Water Level-field	DEPSOP	6.13		0.01	feet TOC	1/10/08 10:02	HC	E84380
Water Temperature-field	170.1	25.3		0.1	C	1/10/08 10:02	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	1/10/08 10:02	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801121-02	SMW-2 grab	Ground Water	1/10/08 16:10	1/10/08 10:38

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.1		0.1	C	1/10/08 10:38	HC	E84380
Chloride	SM4500Cl-B	300		1	mg/L	1/14/08 9:30	BB	E84380
Dissolved Oxygen-field	360.1	3.92		0.01	mg/L	1/10/08 10:38	HC	E84380
pH - field	150.1	6.91		0.01	std units	1/10/08 10:38	HC	E84380
Specific Conductance-field	120.1	2230		0.1	µmhos/cm	1/10/08 10:38	HC	E84380
Turbidity - field	EPA180.1	476		0.1	NTU	1/10/08 10:38	HC	E84380
Water Level-field	DEPSOP	5.21		0.01	feet TOC	1/10/08 10:38	HC	E84380
Water Temperature-field	170.1	23.6		0.1	C	1/10/08 10:38	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	1/10/08 10:38	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801121-03	SMW-3-R grab	Ground Water	1/10/08 16:10	1/10/08 9:45

alysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.6		0.1	C	1/10/08 9:45	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0801121
Report Date: 01/17/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801121-03	SMW-3-R grab	Ground Water	1/10/08 16:10	1/10/08 9:45

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	105		1	mg/L	1/14/08 9:30	BB	E84380
Dissolved Oxygen-field	360.1	2.34		0.01	mg/L	1/10/08 9:45	HC	E84380
pH - field	150.1	6.61		0.01	std units	1/10/08 9:45	HC	E84380
Specific Conductance-field	120.1	1470		0.1	µmhos/cm	1/10/08 9:45	HC	E84380
Turbidity - field	EPA180.1	4.0		0.1	NTU	1/10/08 9:45	HC	E84380
Water Level-field	DEPSOP	6.57		0.01	feet TOC	1/10/08 9:45	HC	E84380
Water Temperature-field	170.1	24.2		0.1	C	1/10/08 9:45	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	1/10/08 9:45	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801121-04	SMW-4-R grab	Ground Water	1/10/08 16:10	1/10/08 11:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.1		0.1	C	1/10/08 11:00	HC	E84380
Chloride	SM4500Cl-B	130		1	mg/L	1/14/08 9:30	BB	E84380
Dissolved Oxygen-field	360.1	2.71		0.01	mg/L	1/10/08 11:00	HC	E84380
pH - field	150.1	6.64		0.01	std units	1/10/08 11:00	HC	E84380
Specific Conductance-field	120.1	1540		0.1	µmhos/cm	1/10/08 11:00	HC	E84380
Turbidity - field	EPA180.1	5.4		0.1	NTU	1/10/08 11:00	HC	E84380
Water Level-field	DEPSOP	8.69		0.01	feet TOC	1/10/08 11:00	HC	E84380
Water Temperature-field	170.1	26.3		0.1	C	1/10/08 11:00	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	1/10/08 11:00	HC	E84380

Approved by:

Comments:

Kathrine Barkiewicz Lab Manager Fort Myers
Andrew Kanopacki Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0801267
Report Date: 01/23/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801267-01	SMW-1 grab	Ground Water	1/18/08 15:45	1/18/08 13:59

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.6		0.1	C	1/18/08 13:59	HC	E84380
Chloride	SM4500Cl-B	102		1	mg/L	1/22/08 11:30	BB	E84380
Dissolved Oxygen-field	360.1	4.07		0.01	mg/L	1/18/08 13:59	HC	E84380
pH - field	150.1	7.03		0.01	std units	1/18/08 13:59	HC	E84380
Specific Conductance-field	120.1	1170		0.1	µmhos/cm	1/18/08 13:59	HC	E84380
Turbidity - field	EPA180.1	4.9		0.1	NTU	1/18/08 13:59	HC	E84380
ater Level-field	DEPSOP	6.20		0.01	feet TOC	1/18/08 13:59	HC	E84380
ater Temperature-field	170.1	25.3		0.1	C	1/18/08 13:59	HC	E84380
Weather-field	DEPSOP	cloudy		n/a	none	1/18/08 13:59	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801267-02	SMW-2 grab	Ground Water	1/18/08 15:45	1/18/08 14:23

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.6		0.1	C	1/18/08 14:23	HC	E84380
Chloride	SM4500Cl-B	135		1	mg/L	1/22/08 11:30	BB	E84380
Dissolved Oxygen-field	360.1	4.12		0.01	mg/L	1/18/08 14:23	HC	E84380
pH - field	150.1	6.99		0.01	std units	1/18/08 14:23	HC	E84380
Specific Conductance-field	120.1	1240		0.1	µmhos/cm	1/18/08 14:23	HC	E84380
Turbidity - field	EPA180.1	170		0.1	NTU	1/18/08 14:23	HC	E84380
Water Level-field	DEPSOP	5.37		0.01	feet TOC	1/18/08 14:23	HC	E84380
Water Temperature-field	170.1	25.1		0.1	C	1/18/08 14:23	HC	E84380
Weather-field	DEPSOP	cloudy		n/a	none	1/18/08 14:23	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801267-03	SMW-3-R grab	Ground Water	1/18/08 15:45	1/18/08 13:40

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
emperature-field	170.1	25.6		0.1	C	1/18/08 13:40	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0801267
Report Date: 01/23/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801267-03	SMW-3-R grab	Ground Water	1/18/08 15:45	1/18/08 13:40

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	100		1	mg/L	1/22/08 11:30	BB	E84380
Dissolved Oxygen-field	360.1	4.45		0.01	mg/L	1/18/08 13:40	HC	E84380
pH - field	150.1	6.86		0.01	std units	1/18/08 13:40	HC	E84380
Specific Conductance-field	120.1	1460		0.1	µmhos/cm	1/18/08 13:40	HC	E84380
Turbidity - field	EPA180.1	5.7		0.1	NTU	1/18/08 13:40	HC	E84380
Water Level-field	DEPSOP	6.18		0.01	feet TOC	1/18/08 13:40	HC	E84380
Water Temperature-field	170.1	24.7		0.1	C	1/18/08 13:40	HC	E84380
Weather-field	DEPSOP	cloudy		n/a	none	1/18/08 13:40	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801267-04	SMW-4-R grab	Ground Water	1/18/08 15:45	1/18/08 13:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.6		0.1	C	1/18/08 13:15	HC	E84380
Chloride	SM4500Cl-B	120		1	mg/L	1/22/08 11:30	BB	E84380
Dissolved Oxygen-field	360.1	4.98		0.01	mg/L	1/18/08 13:15	HC	E84380
pH - field	150.1	6.79		0.01	std units	1/18/08 13:15	HC	E84380
Specific Conductance-field	120.1	1540		0.1	µmhos/cm	1/18/08 13:15	HC	E84380
Turbidity - field	EPA180.1	10.4		0.1	NTU	1/18/08 13:15	HC	E84380
Water Level-field	DEPSOP	8.75		0.01	feet TOC	1/18/08 13:15	HC	E84380
Water Temperature-field	170.1	26.3		0.1	C	1/18/08 13:15	HC	E84380
Weather-field	DEPSOP	cloudy		n/a	none	1/18/08 13:15	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0801375
Report Date: 01/29/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801375-01	SMW-1 grab	Ground Water	1/25/08 16:45	1/25/08 14:43

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	20.1		0.1	C	1/25/08 14:43	HC	E84380
Chloride	SM4500Cl-B	107		1	mg/L	1/28/08 10:30	BB	E84380
Dissolved Oxygen-field	360.1	3.34		0.01	mg/L	1/25/08 14:43	HC	E84380
pH - field	150.1	7.04		0.01	std units	1/25/08 14:43	HC	E84380
Specific Conductance-field	120.1	1160		0.1	µmhos/cm	1/25/08 14:43	HC	E84380
Turbidity - field	EPA180.1	15.2		0.1	NTU	1/25/08 14:43	HC	E84380
Water Level-field	DEPSOP	6.23		0.01	feet TOC	1/25/08 14:43	HC	E84380
Water Temperature-field	170.1	23.5		0.1	C	1/25/08 14:43	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	1/25/08 14:43	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801375-02	SMW-2 grab	Ground Water	1/25/08 16:45	1/25/08 14:22

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	20.1		0.1	C	1/25/08 14:22	HC	E84380
Chloride	SM4500Cl-B	127		1	mg/L	1/28/08 10:30	BB	E84380
Dissolved Oxygen-field	360.1	2.84		0.01	mg/L	1/25/08 14:22	HC	E84380
pH - field	150.1	6.99		0.01	std units	1/25/08 14:22	HC	E84380
Specific Conductance-field	120.1	1420		0.1	µmhos/cm	1/25/08 14:22	HC	E84380
Turbidity - field	EPA180.1	2.0		0.1	NTU	1/25/08 14:22	HC	E84380
Water Level-field	DEPSOP	5.52		0.01	feet TOC	1/25/08 14:22	HC	E84380
Water Temperature-field	170.1	23.1		0.1	C	1/25/08 14:22	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	1/25/08 14:22	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801375-03	SMW-3-R grab	Ground Water	1/25/08 16:45	1/25/08 15:01

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	20.1		0.1	C	1/25/08 15:01	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0801375
Report Date: 01/29/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801375-03	SMW-3-R grab	Ground Water	1/25/08 16:45	1/25/08 15:01

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	110		1	mg/L	1/28/08 10:30	BB	E84380
Dissolved Oxygen-field	360.1	3.08		0.01	mg/L	1/25/08 15:01	HC	E84380
pH - field	150.1	6.88		0.01	std units	1/25/08 15:01	HC	E84380
Specific Conductance-field	120.1	1460		0.1	µmhos/cm	1/25/08 15:01	HC	E84380
Turbidity - field	EPA180.1	3.3		0.1	NTU	1/25/08 15:01	HC	E84380
Water Level-field	DEPSOP	6.82		0.01	feet TOC	1/25/08 15:01	HC	E84380
Water Temperature-field	170.1	25.0		0.1	C	1/25/08 15:01	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	1/25/08 15:01	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801375-04	SMW-4-R grab	Ground Water	1/25/08 16:45	1/25/08 13:57

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	20.1		0.1	C	1/25/08 13:57	HC	E84380
Chloride	SM4500Cl-B	120		1	mg/L	1/28/08 10:30	BB	E84380
Dissolved Oxygen-field	360.1	2.99		0.01	mg/L	1/25/08 13:57	HC	E84380
pH - field	150.1	6.79		0.01	std units	1/25/08 13:57	HC	E84380
Specific Conductance-field	120.1	1530		0.1	µmhos/cm	1/25/08 13:57	HC	E84380
Turbidity - field	EPA180.1	3.6		0.1	NTU	1/25/08 13:57	HC	E84380
Water Level-field	DEPSOP	10.65		0.01	feet TOC	1/25/08 13:57	HC	E84380
Water Temperature-field	170.1	25.8		0.1	C	1/25/08 13:57	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	1/25/08 13:57	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0801444
Report Date: 02/04/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801444-01	SMW-1 grab	Ground Water	2/1/08 16:35	2/1/08 14:16

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	23.8		0.1	C	2/1/08 14:16	HC	E84380
Chloride	SM4500Cl-B	125		1	mg/L	2/3/08 13:10	BB	E84380
Dissolved Oxygen-field	360.1	3.27		0.01	mg/L	2/1/08 14:16	HC	E84380
pH - field	150.1	7.29		0.01	std units	2/1/08 14:16	HC	E84380
Specific Conductance-field	120.1	1020		0.1	µmhos/cm	2/1/08 14:16	HC	E84380
Turbidity - field	EPA180.1	8.9		0.1	NTU	2/1/08 14:16	HC	E84380
/ater Level-field	DEPSOP	6.58		0.01	feet TOC	2/1/08 14:16	HC	E84380
/ater Temperature-field	170.1	24.9		0.1	C	2/1/08 14:16	HC	E84380
Weather-field	DEPSOP	cloudy		n/a	none	2/1/08 14:16	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801444-02	SMW-2 grab	Ground Water	2/1/08 16:35	2/1/08 14:34

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	23.8		0.1	C	2/1/08 14:34	HC	E84380
Chloride	SM4500Cl-B	127		1	mg/L	2/3/08 13:10	BB	E84380
Dissolved Oxygen-field	360.1	2.69		0.01	mg/L	2/1/08 14:34	HC	E84380
pH - field	150.1	7.33		0.01	std units	2/1/08 14:34	HC	E84380
Specific Conductance-field	120.1	1060		0.1	µmhos/cm	2/1/08 14:34	HC	E84380
Turbidity - field	EPA180.1	1.9		0.1	NTU	2/1/08 14:34	HC	E84380
Water Level-field	DEPSOP	5.74		0.01	feet TOC	2/1/08 14:34	HC	E84380
Water Temperature-field	170.1	24.5		0.1	C	2/1/08 14:34	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	2/1/08 14:34	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801444-03	SMW-3-R grab	Ground Water	2/1/08 16:35	2/1/08 13:54

nalysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
mperature-field	170.1	23.8		0.1	C	2/1/08 13:54	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0801444
Report Date: 02/04/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801444-03	SMW-3-R grab	Ground Water	2/1/08 16:35	2/1/08 13:54

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	105		1	mg/L	2/3/08 13:10	BB	E84380
Dissolved Oxygen-field	360.1	3.18		0.01	mg/L	2/1/08 13:54	HC	E84380
pH - field	150.1	7.08		0.01	std units	2/1/08 13:54	HC	E84380
Specific Conductance-field	120.1	1200		0.1	µmhos/cm	2/1/08 13:54	HC	E84380
Turbidity - field	EPA180.1	4.4		0.1	NTU	2/1/08 13:54	HC	E84380
Water Level-field	DEPSOP	6.84		0.01	feet TOC	2/1/08 13:54	HC	E84380
Water Temperature-field	170.1	24.0		0.1	C	2/1/08 13:54	HC	E84380
Weather-field	DEPSOP	cloudy		n/a	none	2/1/08 13:54	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801444-04	SMW-4-R grab	Ground Water	2/1/08 16:35	2/1/08 15:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	23.8		0.1	C	2/1/08 15:00	HC	E84380
Chloride	SM4500Cl-B	130		1	mg/L	2/3/08 13:10	BB	E84380
Dissolved Oxygen-field	360.1	2.79		0.01	mg/L	2/1/08 15:00	HC	E84380
pH - field	150.1	6.98		0.01	std units	2/1/08 15:00	HC	E84380
Specific Conductance-field	120.1	1320		0.1	µmhos/cm	2/1/08 15:00	HC	E84380
Turbidity - field	EPA180.1	2.9		0.1	NTU	2/1/08 15:00	HC	E84380
Water Level-field	DEPSOP	8.89		0.01	feet TOC	2/1/08 15:00	HC	E84380
Water Temperature-field	170.1	25.7		0.1	C	2/1/08 15:00	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	2/1/08 15:00	HC	E84380

Approved by:

Comments:

Katherine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0802123
Report Date: 02/13/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802123-01	SMW-1 grab	Ground Water	2/8/08 14:15	2/8/08 12:55

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.9		0.1	C	2/8/08 12:55	HC	E84380
Chloride	SM4500Cl-B	115		1	mg/L	2/11/08 9:15	BB	E84380
Dissolved Oxygen-field	360.1	3.57		0.01	mg/L	2/8/08 12:55	HC	E84380
pH - field	150.1	7.31		0.01	std units	2/8/08 12:55	HC	E84380
Specific Conductance-field	120.1	1170		0.1	µmhos/cm	2/8/08 12:55	HC	E84380
Turbidity - field	EPA180.1	20.9		0.1	NTU	2/8/08 12:55	HC	E84380
Water Level-field	DEPSOP	6.49		0.01	feet TOC	2/8/08 12:55	HC	E84380
Water Temperature-field	170.1	25.2		0.1	C	2/8/08 12:55	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	2/8/08 12:55	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802123-02	SMW-2 grab	Ground Water	2/8/08 14:15	2/8/08 12:11

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.6		0.1	C	2/8/08 12:11	HC	E84380
Chloride	SM4500Cl-B	127		1	mg/L	2/11/08 9:15	BB	E84380
Dissolved Oxygen-field	360.1	3.29		0.01	mg/L	2/8/08 12:11	HC	E84380
pH - field	150.1	7.18		0.01	std units	2/8/08 12:11	HC	E84380
Specific Conductance-field	120.1	1210		0.1	µmhos/cm	2/8/08 12:11	HC	E84380
Turbidity - field	EPA180.1	3.3		0.1	NTU	2/8/08 12:11	HC	E84380
Water Level-field	DEPSOP	5.79		0.01	feet TOC	2/8/08 12:11	HC	E84380
Water Temperature-field	170.1	25.2		0.1	C	2/8/08 12:11	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	2/8/08 12:11	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802123-03	SMW-3-R grab	Ground Water	2/8/08 14:15	2/8/08 12:36

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.7		0.1	C	2/8/08 12:36	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0802123
Report Date: 02/13/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802123-03	SMW-3-R grab	Ground Water	2/8/08 14:15	2/8/08 12:36

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	100		1	mg/L	2/11/08 9:15	BB	E84380
Dissolved Oxygen-field	360.1	3.55		0.01	mg/L	2/8/08 12:36	HC	E84380
pH - field	150.1	7.09		0.01	std units	2/8/08 12:36	HC	E84380
Specific Conductance-field	120.1	1400		0.1	µmhos/cm	2/8/08 12:36	HC	E84380
Turbidity - field	EPA180.1	5.1		0.1	NTU	2/8/08 12:36	HC	E84380
Water Level-field	DEPSOP	6.78		0.01	feet TOC	2/8/08 12:36	HC	E84380
Water Temperature-field	170.1	24.6		0.1	C	2/8/08 12:36	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	2/8/08 12:36	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802123-04	SMW-4-R grab	Ground Water	2/8/08 14:15	2/8/08 11:42

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.6		0.1	C	2/8/08 11:42	HC	E84380
Chloride	SM4500Cl-B	115		1	mg/L	2/11/08 9:15	BB	E84380
Dissolved Oxygen-field	360.1	3.35		0.01	mg/L	2/8/08 11:42	HC	E84380
pH - field	150.1	6.84		0.01	std units	2/8/08 11:42	HC	E84380
Specific Conductance-field	120.1	1520		0.1	µmhos/cm	2/8/08 11:42	HC	E84380
Turbidity - field	EPA180.1	5.6		0.1	NTU	2/8/08 11:42	HC	E84380
Water Level-field	DEPSOP	9.11		0.01	feet TOC	2/8/08 11:42	HC	E84380
Water Temperature-field	170.1	26.1		0.1	C	2/8/08 11:42	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	2/8/08 11:42	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0802267
Report Date: 02/28/08

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802267-01	SMW-1 grab	Ground Water	2/22/08 12:35	2/22/08 9:05

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.4		0.1	C	2/22/08 9:05	HC	E84380
Chloride	SM4500Cl-B	102		1	mg/L	2/25/08 13:30	BB	E84380
Dissolved Oxygen-field	360.1	2.72		0.01	mg/L	2/22/08 9:05	HC	E84380
pH - field	150.1	7.29		0.01	std units	2/22/08 9:05	HC	E84380
Specific Conductance-field	120.1	1020		0.1	µmhos/cm	2/22/08 9:05	HC	E84380
Turbidity - field	EPA180.1	30.8		0.1	NTU	2/22/08 9:05	HC	E84380
Water Level-field	DEPSOP	6.31		0.01	feet TOC	2/22/08 9:05	HC	E84380
Water Temperature-field	170.1	24.9		0.1	C	2/22/08 9:05	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	2/22/08 9:05	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802267-02	SMW-2 grab	Ground Water	2/22/08 12:35	2/22/08 9:29

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.7		0.1	C	2/22/08 9:29	HC	E84380
Chloride	SM4500Cl-B	157		1	mg/L	2/25/08 13:30	BB	E84380
Dissolved Oxygen-field	360.1	3.61		0.01	mg/L	2/22/08 9:29	HC	E84380
pH - field	150.1	7.72		0.01	std units	2/22/08 9:29	HC	E84380
Specific Conductance-field	120.1	1160		0.1	µmhos/cm	2/22/08 9:29	HC	E84380
Turbidity - field	EPA180.1	51.3		0.1	NTU	2/22/08 9:29	HC	E84380
Water Level-field	DEPSOP	5.70		0.01	feet TOC	2/22/08 9:29	HC	E84380
Water Temperature-field	170.1	24.5		0.1	C	2/22/08 9:29	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	2/22/08 9:29	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802267-03	SMW-3-R grab	Ground Water	2/22/08 12:35	2/22/08 8:44

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.4		0.1	C	2/22/08 8:44	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0802267
Report Date: 02/28/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802267-03	SMW-3-R grab	Ground Water	2/22/08 12:35	2/22/08 8:44

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	135		1	mg/L	2/25/08 13:30	BB	E84380
Dissolved Oxygen-field	360.1	3.10		0.01	mg/L	2/22/08 8:44	HC	E84380
pH - field	150.1	6.92		0.01	std units	2/22/08 8:44	HC	E84380
Specific Conductance-field	120.1	1480		0.1	µmhos/cm	2/22/08 8:44	HC	E84380
Turbidity - field	EPA180.1	2.5		0.1	NTU	2/22/08 8:44	HC	E84380
Water Level-field	DEPSOP	6.92		0.01	feet TOC	2/22/08 8:44	HC	E84380
Water Temperature-field	170.1	24.4		0.1	C	2/22/08 8:44	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	2/22/08 8:44	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
0802267-04	SMW-4-R grab	Ground Water	2/22/08 12:35	2/22/08 8:18

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.2		0.1	C	2/22/08 8:18	HC	E84380
Chloride	SM4500Cl-B	112		1	mg/L	2/25/08 13:30	BB	E84380
Dissolved Oxygen-field	360.1	2.74		0.01	mg/L	2/22/08 8:18	HC	E84380
pH - field	150.1	6.73		0.01	std units	2/22/08 8:18	HC	E84380
Specific Conductance-field	120.1	1540		0.1	µmhos/cm	2/22/08 8:18	HC	E84380
Turbidity - field	EPA180.1	7.0		0.1	NTU	2/22/08 8:18	HC	E84380
Water Level-field	DEPSOP	8.94		0.01	feet TOC	2/22/08 8:18	HC	E84380
Water Temperature-field	170.1	25.4		0.1	C	2/22/08 8:18	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	2/22/08 8:18	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

st Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0802351
Report Date: 03/06/08

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802351-01	SMW-1 grab	Ground Water	2/29/08 15:00	2/29/08 12:19

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	18.1		0.1	C	2/29/08 12:19	HC	E84380
Chloride	SM4500Cl-B	115		1	mg/L	3/5/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	3.00		0.01	mg/L	2/29/08 12:19	HC	E84380
pH - field	150.1	6.95		0.01	std units	2/29/08 12:19	HC	E84380
Specific Conductance-field	120.1	1200		0.1	µmhos/cm	2/29/08 12:19	HC	E84380
Turbidity - field	EPA180.1	32.0		0.1	NTU	2/29/08 12:19	HC	E84380
Water Level-field	DEPSOP	6.47		0.01	feet TOC	2/29/08 12:19	HC	E84380
Water Temperature-field	170.1	24.5		0.1	C	2/29/08 12:19	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	2/29/08 12:19	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802351-02	SMW-2 grab	Ground Water	2/29/08 15:00	2/29/08 13:05

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	18.1		0.1	C	2/29/08 13:05	HC	E84380
Chloride	SM4500Cl-B	132		1	mg/L	3/5/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	2.91		0.01	mg/L	2/29/08 13:05	HC	E84380
pH - field	150.1	7.13		0.01	std units	2/29/08 13:05	HC	E84380
Specific Conductance-field	120.1	1260		0.1	µmhos/cm	2/29/08 13:05	HC	E84380
Turbidity - field	EPA180.1	21.9		0.1	NTU	2/29/08 13:05	HC	E84380
Water Level-field	DEPSOP	5.55		0.01	feet TOC	2/29/08 13:05	HC	E84380
Water Temperature-field	170.1	24.1		0.1	C	2/29/08 13:05	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	2/29/08 13:05	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802351-03	SMW-3-R grab	Ground Water	2/29/08 15:00	2/29/08 12:41

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	18.1		0.1	C	2/29/08 12:41	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0802351
Report Date: 03/06/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802351-03	SMW-3-R grab	Ground Water	2/29/08 15:00	2/29/08 12:41

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	110		1	mg/L	3/5/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	2.45		0.01	mg/L	2/29/08 12:41	HC	E84380
pH - field	150.1	6.78		0.01	std units	2/29/08 12:41	HC	E84380
Specific Conductance-field	120.1	1490		0.1	µmhos/cm	2/29/08 12:41	HC	E84380
Turbidity - field	EPA180.1	6.9		0.1	NTU	2/29/08 12:41	HC	E84380
Water Level-field	DEPSOP	6.55		0.01	feet TOC	2/29/08 12:41	HC	E84380
Water Temperature-field	170.1	24.2		0.1	C	2/29/08 12:41	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	2/29/08 12:41	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0802351-04	SMW-4-R grab	Ground Water	2/29/08 15:00	2/29/08 13:37

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	18.2		0.1	C	2/29/08 13:37	HC	E84380
Chloride	SM4500Cl-B	112		1	mg/L	3/5/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	2.72		0.01	mg/L	2/29/08 13:37	HC	E84380
pH - field	150.1	6.82		0.01	std units	2/29/08 13:37	HC	E84380
Specific Conductance-field	120.1	1560		0.1	µmhos/cm	2/29/08 13:37	HC	E84380
Turbidity - field	EPA180.1	4.9		0.1	NTU	2/29/08 13:37	HC	E84380
Water Level-field	DEPSOP	9.68		0.01	feet TOC	2/29/08 13:37	HC	E84380
Water Temperature-field	170.1	25.2		0.1	C	2/29/08 13:37	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	2/29/08 13:37	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Kunopacki/Lab Manager Nokomis

st Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0803117
Report Date: 03/11/08

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803117-01	SMW-1 grab	Ground Water	3/7/08 15:30	3/7/08 13:05

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.4		0.1	C	3/7/08 13:05	HC	E84380
Chloride	SM4500Cl-B	92		1	mg/L	3/10/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	2.92		0.01	mg/L	3/7/08 13:05	HC	E84380
pH - field	150.1	7.28		0.01	std units	3/7/08 13:05	HC	E84380
Specific Conductance-field	120.1	1120		0.1	µmhos/cm	3/7/08 13:05	HC	E84380
rbidity - field	EPA180.1	26.2		0.1	NTU	3/7/08 13:05	HC	E84380
er Level-field	DEPSOP	6.25		0.01	feet TOC	3/7/08 13:05	HC	E84380
Water Temperature-field	170.1	25.0		0.1	C	3/7/08 13:05	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	3/7/08 13:05	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803117-02	SMW-2 grab	Ground Water	3/7/08 15:30	3/7/08 13:26

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.4		0.1	C	3/7/08 13:26	HC	E84380
Chloride	SM4500Cl-B	142		1	mg/L	3/10/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	2.28		0.01	mg/L	3/7/08 13:26	HC	E84380
pH - field	150.1	7.29		0.01	std units	3/7/08 13:26	HC	E84380
Specific Conductance-field	120.1	1210		0.1	µmhos/cm	3/7/08 13:26	HC	E84380
Turbidity - field	EPA180.1	24.5		0.1	NTU	3/7/08 13:26	HC	E84380
Water Level-field	DEPSOP	5.33		0.01	feet TOC	3/7/08 13:26	HC	E84380
Water Temperature-field	170.1	24.8		0.1	C	3/7/08 13:26	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	3/7/08 13:26	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
803117-03	SMW-3-R grab	Ground Water	3/7/08 15:30	3/7/08 13:48

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.4		0.1	C	3/7/08 13:48	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0803117
Report Date: 03/11/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803117-03	SMW-3-R grab	Ground Water	3/7/08 15:30	3/7/08 13:48

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	120		1	mg/L	3/10/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	2.45		0.01	mg/L	3/7/08 13:48	HC	E84380
pH - field	150.1	6.96		0.01	std units	3/7/08 13:48	HC	E84380
Specific Conductance-field	120.1	1460		0.1	µmhos/cm	3/7/08 13:48	HC	E84380
Turbidity - field	EPA180.1	2.2		0.1	NTU	3/7/08 13:48	HC	E84380
Water Level-field	DEPSOP	6.03		0.01	feet TOC	3/7/08 13:48	HC	E84380
Water Temperature-field	170.1	24.7		0.1	C	3/7/08 13:48	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	3/7/08 13:48	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
0803117-04	SMW-4-R grab	Ground Water	3/7/08 15:30	3/7/08 12:35

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.4		0.1	C	3/7/08 12:35	HC	E84380
Chloride	SM4500Cl-B	122		1	mg/L	3/10/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	2.92		0.01	mg/L	3/7/08 12:35	HC	E84380
pH - field	150.1	6.84		0.01	std units	3/7/08 12:35	HC	E84380
Specific Conductance-field	120.1	1520		0.1	µmhos/cm	3/7/08 12.35	HC	E84380
Turbidity - field	EPA180.1	0.2		0.1	NTU	3/7/08 12:35	HC	E84380
Water Level-field	DEPSOP	8.38		0.01	feet TOC	3/7/08 12:35	HC	E84380
Water Temperature-field	170.1	25.8		0.1	C	3/7/08 12:35	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	3/7/08 12:35	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

All Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0803230
Report Date: 03/19/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803230-01	SMW-1 grab	Ground Water	3/14/08 16:00	3/14/08 13:55

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	26.2		0.1	C	3/14/08 13:55	HC	E84380
Chloride	SM4500Cl-B	112		1	mg/L	3/19/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	2.01		0.01	mg/L	3/14/08 13:55	HC	E84380
pH - field	150.1	7.14		0.01	std units	3/14/08 13:55	HC	E84380
Specific Conductance-field	120.1	1160		0.1	µmhos/cm	3/14/08 13:55	HC	E84380
Turbidity - field	EPA180.1	9.2		0.1	NTU	3/14/08 13:55	HC	E84380
Water Level-field	DEPSOP	6.00		0.01	feet TOC	3/14/08 13:55	HC	E84380
Water Temperature-field	170.1	24.5		0.1	C	3/14/08 13:55	HC	E84380
Weather-field	DEPSOP	cloudy		n/a	none	3/14/08 13:55	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803230-02	SMW-2 grab	Ground Water	3/14/08 16:00	3/14/08 14:31

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	26.2		0.1	C	3/14/08 14:31	HC	E84380
Chloride	SM4500Cl-B	147		1	mg/L	3/19/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	1.91		0.01	mg/L	3/14/08 14:31	HC	E84380
pH - field	150.1	7.27		0.01	std units	3/14/08 14:31	HC	E84380
Specific Conductance-field	120.1	1220		0.1	µmhos/cm	3/14/08 14:31	HC	E84380
Turbidity - field	EPA180.1	16.8		0.1	NTU	3/14/08 14:31	HC	E84380
Water Level-field	DEPSOP	5.23		0.01	feet TOC	3/14/08 14:31	HC	E84380
Water Temperature-field	170.1	23.7		0.1	C	3/14/08 14:31	HC	E84380
Weather-field	DEPSOP	cloudy		n/a	none	3/14/08 14:31	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803230-03	SMW-3-R grab	Ground Water	3/14/08 16:00	3/14/08 13:36

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Temperature-field	170.1	26.2		0.1	C	3/14/08 13:36	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0803230
Report Date: 03/19/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803230-03	SMW-3-R grab	Ground Water	3/14/08 16:00	3/14/08 13:36

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	102		1	mg/L	3/19/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	1.89		0.01	mg/L	3/14/08 13:36	HC	E84380
pH - field	150.1	6.90		0.01	std units	3/14/08 13:36	HC	E84380
Specific Conductance-field	120.1	1330		0.1	µmhos/cm	3/14/08 13:36	HC	E84380
Turbidity - field	EPA180.1	0.6		0.1	NTU	3/14/08 13:36	HC	E84380
Water Level-field	DEPSOP	6.11		0.01	feet TOC	3/14/08 13:36	HC	E84380
Water Temperature-field	170.1	24.7		0.1	C	3/14/08 13:36	HC	E84380
Weather-field	DEPSOP	cloudy		n/a	none	3/14/08 13:36	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803230-04	SMW-4-R grab	Ground Water	3/14/08 16:00	3/14/08 13:11

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	26.2		0.1	C	3/14/08 13:11	HC	E84380
Chloride	SM4500Cl-B	122		1	mg/L	3/19/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	1.75		0.01	mg/L	3/14/08 13:11	HC	E84380
pH - field	150.1	6.79		0.01	std units	3/14/08 13:11	HC	E84380
Specific Conductance-field	120.1	1530		0.1	µmhos/cm	3/14/08 13:11	HC	E84380
Turbidity - field	EPA180.1	1.6		0.1	NTU	3/14/08 13:11	HC	E84380
Water Level-field	DEPSOP	8.60		0.01	feet TOC	3/14/08 13:11	HC	E84380
Water Temperature-field	170.1	25.6		0.1	C	3/14/08 13:11	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	3/14/08 13:11	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0803372
Report Date: 03/25/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803372-01	SMW-1 grab	Ground Water	3/21/08 15:30	3/21/08 12:57

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	17.8		0.1	C	3/21/08 12:57	HC	E84380
Chloride	SM4500Cl-B	117		1	mg/L	3/24/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	1.89		0.01	mg/L	3/21/08 12:57	HC	E84380
pH - field	150.1	7.03		0.01	std units	3/21/08 12:57	HC	E84380
Specific Conductance-field	120.1	1200		0.1	µmhos/cm	3/21/08 12:57	HC	E84380
Turbidity - field	EPA180.1	25.6		0.1	NTU	3/21/08 12:57	HC	E84380
Water Level-field	DEPSOP	6.05		0.01	feet TOC	3/21/08 12:57	HC	E84380
Water Temperature-field	170.1	24.7		0.1	C	3/21/08 12:57	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	3/21/08 12:57	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803372-02	SMW-2 grab	Ground Water	3/21/08 15:30	3/21/08 13:27

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	17.8		0.1	C	3/21/08 13:27	HC	E84380
Chloride	SM4500Cl-B	140		1	mg/L	3/24/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	1.81		0.01	mg/L	3/21/08 13:27	HC	E84380
pH - field	150.1	7.15		0.01	std units	3/21/08 13:27	HC	E84380
Specific Conductance-field	120.1	1240		0.1	µmhos/cm	3/21/08 13:27	HC	E84380
Turbidity - field	EPA180.1	4.6		0.1	NTU	3/21/08 13:27	HC	E84380
Water Level-field	DEPSOP	5.18		0.01	feet TOC	3/21/08 13:27	HC	E84380
Water Temperature-field	170.1	24.2		0.1	C	3/21/08 13:27	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	3/21/08 13:27	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803372-03	SMW-3-R grab	Ground Water	3/21/08 15:30	3/21/08 13:48

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Temperature-field	170.1	17.9		0.1	C	3/21/08 13:48	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0803372
Report Date: 03/25/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803372-03	SMW-3-R grab	Ground Water	3/21/08 15:30	3/21/08 13:48

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	110		1	mg/L	3/24/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	1.94		0.01	mg/L	3/21/08 13:48	HC	E84380
pH - field	150.1	6.89		0.01	std units	3/21/08 13:48	HC	E84380
Specific Conductance-field	120.1	1400		0.1	µmhos/cm	3/21/08 13:48	HC	E84380
Turbidity - field	EPA180.1	0.5		0.1	NTU	3/21/08 13:48	HC	E84380
Water Level-field	DEPSOP	6.21		0.01	feet TOC	3/21/08 13:48	HC	E84380
Water Temperature-field	170.1	24.7		0.1	C	3/21/08 13:48	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	3/21/08 13:48	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803372-04	SMW-4-R grab	Ground Water	3/21/08 15:30	3/21/08 14:12

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	17.8		0.1	C	3/21/08 14:12	HC	E84380
Chloride	SM4500Cl-B	127		1	mg/L	3/24/08 8:30	BB	E84380
Dissolved Oxygen-field	360.1	1.77		0.01	mg/L	3/21/08 14:12	HC	E84380
pH - field	150.1	6.95		0.01	std units	3/21/08 14:12	HC	E84380
Specific Conductance-field	120.1	1540		0.1	µmhos/cm	3/21/08 14:12	HC	E84380
Turbidity - field	EPA180.1	0.8		0.1	NTU	3/21/08 14:12	HC	E84380
Water Level-field	DEPSOP	8.28		0.01	feet TOC	3/21/08 14:12	HC	E84380
Water Temperature-field	170.1	25.6		0.1	C	3/21/08 14:12	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	3/21/08 14:12	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0803414
Report Date: 04/04/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803414-01	SMW-1 grab	Ground Water	3/27/08 13:25	3/27/08 10:57

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.7		0.1	C	3/27/08 10:57	HC	E84380
Chloride	SM4500Cl-B	112		1	mg/L	4/3/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	1.83		0.01	mg/L	3/27/08 10:57	HC	E84380
pH - field	150.1	6.90		0.01	std units	3/27/08 10:57	HC	E84380
Specific Conductance-field	120.1	1170		0.1	µmhos/cm	3/27/08 10:57	HC	E84380
Turbidity - field	EPA180.1	9.9		0.1	NTU	3/27/08 10:57	HC	E84380
Water Level-field	DEPSOP	6.03		0.01	feet TOC	3/27/08 10:57	HC	E84380
Water Temperature-field	170.1	24.3		0.1	C	3/27/08 10:57	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	3/27/08 10:57	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803414-02	SMW-2 grab	Ground Water	3/27/08 13:25	3/27/08 11:17

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.7		0.1	C	3/27/08 11:17	HC	E84380
Chloride	SM4500Cl-B	132		1	mg/L	4/3/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	2.08		0.01	mg/L	3/27/08 11:17	HC	E84380
pH - field	150.1	7.31		0.01	std units	3/27/08 11:17	HC	E84380
Specific Conductance-field	120.1	1070		0.1	µmhos/cm	3/27/08 11:17	HC	E84380
Turbidity - field	EPA180.1	8.7		0.1	NTU	3/27/08 11:17	HC	E84380
Water Level-field	DEPSOP	4.87		0.01	feet TOC	3/27/08 11:17	HC	E84380
Water Temperature-field	170.1	23.9		0.1	C	3/27/08 11:17	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	3/27/08 11:17	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803414-03	SMW-3-R grab	Ground Water	3/27/08 13:25	3/27/08 11:36

ılysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.7		0.1	C	3/27/08 11:36	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0803414
Report Date: 04/04/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803414-03	SMW-3-R grab	Ground Water	3/27/08 13:25	3/27/08 11:36

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	112		1	mg/L	4/3/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	1.98		0.01	mg/L	3/27/08 11:36	HC	E84380
pH - field	150.1	6.72		0.01	std units	3/27/08 11:36	HC	E84380
Specific Conductance-field	120.1	1380		0.1	µmhos/cm	3/27/08 11:36	HC	E84380
Turbidity - field	EPA180.1	1.0		0.1	NTU	3/27/08 11:36	HC	E84380
Water Level-field	DEPSOP	5.93		0.01	feet TOC	3/27/08 11:36	HC	E84380
Water Temperature-field	170.1	24.6		0.1	C	3/27/08 11:36	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	3/27/08 11:36	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0803414-04	SMW-4-R grab	Ground Water	3/27/08 13:25	3/27/08 12:09

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.7		0.1	C	3/27/08 12:09	HC	E84380
Chloride	SM4500Cl-B	125		1	mg/L	4/3/08 9:00	BB	E84380
Dissolved Oxygen-field	360.1	2.84		0.01	mg/L	3/27/08 12:09	HC	E84380
pH - field	150.1	6.71		0.01	std units	3/27/08 12:09	HC	E84380
Specific Conductance-field	120.1	1520		0.1	µmhos/cm	3/27/08 12:09	HC	E84380
Turbidity - field	EPA180.1	2.5		0.1	NTU	3/27/08 12:09	HC	E84380
Water Level-field	DEPSOP	8.48		0.01	feet TOC	3/27/08 12:09	HC	E84380
Water Temperature-field	170.1	25.7		0.1	C	3/27/08 12:09	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	3/27/08 12:09	HC	E84380

Approved by:

Comments:

Katherine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Sanders Laboratories INC.
Environmental Testing Services

CHAIN-OF-CUSTODY RECORD

PROJECT # N0803414

Page 1 of 1

Client Youngquist

Address

Phone Fax

Report To:

Bill To:

P.O. #

Project Name Weekly

Project Location: Lehigh

Sample Supply:

Customer Type:

Field Report #:

Kit # 4

REQUESTED DUE DATE: 3.6.08

Sampled By (PRINT) Hilary Crook

Sampler Signature Hilary Crook

Bottle #	SAMPLE DESCRIPTION	Sample DATE	Sample TIME	Sample TYPE	PRESERVATIVES ICE	UNPRESERVED	H_2SO_4	HNO_3	HCL	ANALYSES REQUEST Cl-	Gurfield	Sample ID #
	SMW-1	32708	1057	G						1	✓	01A
	2		1117							1	✓	02A
	3-R		1136							1	✓	03A
	4-R		1209							1	✓	04A

Bottle Lot #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Hilary Crook	32708	1325	Meag	3/27/08	1325

COMMENTS: C600401L

OKAY TO RUN AS IS...

CLIENT INITIAL:

SAMPLES ON ICE: Yes (No)

1050 Endeavor Ct., Nokomis, FL 34275-3623 • (941)488-8103 • FAX 484-6774 • 16880 Gator Road, Fort Myers, FL 33912 • (239) 590-0337 • FAX (239) 590-0338

Client Project: Lehigh Acres WWTP
Lab Project: N0804059
Report Date: 04/09/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804059-01	SMW-1 Grab	Ground Water	4/4/08 16:15	4/4/08 14:17

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	23.9		0.1	C	4/4/08 14:17	HC	E84380
Chloride	SM4500Cl-B	100		1	mg/L	4/8/08 9:45	BB	E84380
Dissolved Oxygen-field	360.1	1.43		0.01	mg/L	4/4/08 14:17	HC	E84380
pH - field	150.1	7.04		0.01	std units	4/4/08 14:17	HC	E84380
Specific Conductance-field	120.1	1040		0.1	µmhos/cm	4/4/08 14:17	HC	E84380
Turbidity - field	EPA180.1	15.8		0.1	NTU	4/4/08 14:17	HC	E84380
Water Level-field	DEPSOP	5.41		0.01	feet TOC	4/4/08 14:17	HC	E84380
Water Temperature-field	170.1	24.6		0.1	C	4/4/08 14:17	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	4/4/08 14:17	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804059-02	SMW-2 Grab	Ground Water	4/4/08 16:15	4/4/08 15:03

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	23.9		0.1	C	4/4/08 15:03	HC	E84380
Chloride	SM4500Cl-B	3400		1	mg/L	4/8/08 9:45	BB	E84380
Dissolved Oxygen-field	360.1	3.70		0.01	mg/L	4/4/08 15:03	HC	E84380
pH - field	150.1	8.74		0.01	std units	4/4/08 15:03	HC	E84380
Specific Conductance-field	120.1	11600		0.1	µmhos/cm	4/4/08 15:03	HC	E84380
Turbidity - field	EPA180.1	1100	L	0.1	NTU	4/4/08 15:03	HC	E84380
Water Level-field	DEPSOP	4.61		0.01	feet TOC	4/4/08 15:03	HC	E84380
Water Temperature-field	170.1	24.5		0.1	C	4/4/08 15:03	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	4/4/08 15:03	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804059-03	SMW-3-R Grab	Ground Water	4/4/08 16:15	4/4/08 13:55

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	23.9		0.1	C	4/4/08 13:55	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0804059
Report Date: 04/09/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804059-03	SMW-3-R Grab	Ground Water	4/4/08 16:15	4/4/08 13:55

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	125		1	mg/L	4/8/08 9:45	BB	E84380
Dissolved Oxygen-field	360.1	1.83		0.01	mg/L	4/4/08 13:55	HC	E84380
pH - field	150.1	6.54		0.01	std units	4/4/08 13:55	HC	E84380
Specific Conductance-field	120.1	1290		0.1	µmhos/cm	4/4/08 13:55	HC	E84380
Turbidity - field	EPA180.1	0.3		0.1	NTU	4/4/08 13:55	HC	E84380
Water Level-field	DEPSOP	5.41		0.01	feet TOC	4/4/08 13:55	HC	E84380
Water Temperature-field	170.1	24.7		0.1	C	4/4/08 13:55	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	4/4/08 13:55	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804059-04	~~SMW-4-R~~ Grab	Ground Water	4/4/08 16:15	4/4/08 13:38

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	23.9		0.1	C	4/4/08 13:38	HC	E84380
Chloride	SM4500Cl-B	135		1	mg/L	4/8/08 9:45	BB	E84380
Dissolved Oxygen-field	360.1	1.81		0.01	mg/L	4/4/08 13:38	HC	E84380
pH - field	150.1	6.39		0.01	std units	4/4/08 13:38	HC	E84380
Specific Conductance-field	120.1	1510		0.1	µmhos/cm	4/4/08 13:38	HC	E84380
Turbidity - field	EPA180.1	1.0		0.1	NTU	4/4/08 13:38	HC	E84380
Water Level-field	DEPSOP	8.02		0.01	feet TOC	4/4/08 13:38	HC	E84380
Water Temperature-field	170.1	26.1		0.1	C	4/4/08 13:38	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	4/4/08 13:38	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager-Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0804228
Report Date: 04/16/08

Sanders Laboratories, Inc.
Environmental Testing Since 1985

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804228-01	SMW-1 grab	Ground Water	4/14/08 7:30	4/13/08 11:08

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.2		0.1	C	4/13/08 11:08	HC	E84380
Chloride	SM4500Cl-E	114		1	mg/L	4/14/08 16:23	BB	E84380
Dissolved Oxygen-field	360.1	1.74		0.01	mg/L	4/13/08 11:08	HC	E84380
pH - field	150.1	7.18		0.01	std units	4/13/08 11:08	HC	E84380
Specific Conductance-field	120.1	1100		0.1	µmhos/cm	4/13/08 11:08	HC	E84380
Turbidity - field	EPA180.1	29.4		0.1	NTU	4/13/08 11:08	HC	E84380
Level-field	DEPSOP	5.38		0.01	feet TOC	4/13/08 11:08	HC	E84380
Water Temperature-field	170.1	24.9		0.1	C	4/13/08 11:08	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	4/13/08 11:08	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804228-02	SMW-2 grab	Ground Water	4/14/08 7:30	4/13/08 11:28

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.8		0.1	C	4/13/08 11:28	HC	E84380
Chloride	SM4500Cl-E	795		1	mg/L	4/14/08 16:23	BB	E84380
Dissolved Oxygen-field	360.1	1.77		0.01	mg/L	4/13/08 11:28	HC	E84380
pH - field	150.1	8.08		0.01	std units	4/13/08 11:28	HC	E84380
Specific Conductance-field	120.1	3050		0.1	µmhos/cm	4/13/08 11:28	HC	E84380
Turbidity - field	EPA180.1	626		0.1	NTU	4/13/08 11:28	HC	E84380
Water Level-field	DEPSOP	4.58		0.01	feet TOC	4/13/08 11:28	HC	E84380
Water Temperature-field	170.1	25.2		0.1	C	4/13/08 11:28	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	4/13/08 11:28	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804228-03	SMW-1-R grab	Ground Water	4/14/08 7:30	4/13/08 10:42

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.2		0.1	C	4/13/08 10:42	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0804228
Report Date: 04/16/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804228-03	SMW-4-R grab	Ground Water	4/14/08 7:30	4/13/08 10:42

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-E	188		1	mg/L	4/14/08 16:23	BB	E84380
Dissolved Oxygen-field	360.1	1.74		0.01	mg/L	4/13/08 10:42	HC	E84380
pH - field	150.1	6.68		0.01	std units	4/13/08 10:42	HC	E84380
Specific Conductance-field	120.1	1620		0.1	µmhos/cm	4/13/08 10:42	HC	E84380
Turbidity - field	EPA180.1	2.3		0.1	NTU	4/13/08 10:42	HC	E84380
Water Level-field	DEPSOP	7.94		0.01	feet TOC	4/13/08 10:42	HC	E84380
Water Temperature-field	170.1	26.2		0.1	C	4/13/08 10:42	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	4/13/08 10:42	HC	E84380

Approved by:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Comments: No access to well, due to contruction of pipeline leading from injection well.

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0804318
Report Date: 04/23/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804318-01	SMW-1 grab	Ground Water	4/18/08 14:35	4/18/08 12:48

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.2		0.1	C	4/18/08 12:48	HC	E84380
Chloride	SM4500Cl-E	158		1	mg/L	4/22/08 12:02	AV	E84380
Dissolved Oxygen-field	360.1	1.69		0.01	mg/L	4/18/08 12:48	HC	E84380
pH - field	150.1	7.19		0.01	std units	4/18/08 12:48	HC	E84380
Specific Conductance-field	120.1	1220		0.1	µmhos/cm	4/18/08 12:48	HC	E84380
Turbidity - field	EPA180.1	20.9		0.1	NTU	4/18/08 12:48	HC	E84380
Water Level-field	DEPSOP	5.46		0.01	feet TOC	4/18/08 12:48	HC	E84380
Water Temperature-field	170.1	25.0		0.1	C	4/18/08 12:48	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	4/18/08 12:48	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804318-02	SMW-2 grab	Ground Water	4/18/08 14:35	4/18/08 13:17

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.4		0.1	C	4/18/08 13:17	HC	E84380
Chloride	SM4500Cl-E	913		1	mg/L	4/22/08 12:02	AV	E84380
Dissolved Oxygen-field	360.1	1.36		0.01	mg/L	4/18/08 13:17	HC	E84380
pH - field	150.1	7.35		0.01	std units	4/18/08 13:17	HC	E84380
Specific Conductance-field	120.1	3530		0.1	µmhos/cm	4/18/08 13:17	HC	E84380
Turbidity - field	EPA180.1	135		0.1	NTU	4/18/08 13:17	HC	E84380
Water Level-field	DEPSOP	4.84		0.01	feet TOC	4/18/08 13:17	HC	E84380
Water Temperature-field	170.1	24.3		0.1	C	4/18/08 13:17	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	4/18/08 13:17	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804318-03	SMW-3-R grab	Ground Water	4/18/08 14:35	4/18/08 12:26

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.2		0.1	C	4/18/08 12:26	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0804318
Report Date: 04/23/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804318-03	SMW-3-R grab	Ground Water	4/18/08 14:35	4/18/08 12:26

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-E	136		1	mg/L	4/22/08 12:02	AV	E84380
Dissolved Oxygen-field	360.1	1.87		0.01	mg/L	4/18/08 12:26	HC	E84380
pH - field	150.1	6.96		0.01	std units	4/18/08 12:26	HC	E84380
Specific Conductance-field	120.1	1350		0.1	µmhos/cm	4/18/08 12:26	HC	E84380
Turbidity - field	EPA180.1	2.2		0.1	NTU	4/18/08 12:26	HC	E84380
Water Level-field	DEPSOP	5.38		0.01	feet TOC	4/18/08 12:26	HC	E84380
Water Temperature-field	170.1	25.1		0.1	C	4/18/08 12:26	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	4/18/08 12:26	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804318-04	SMW-4-R grab	Ground Water	4/18/08 14:35	4/18/08 12:05

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.2		0.1	C	4/18/08 12:05	HC	E84380
Chloride	SM4500Cl-E	195		1	mg/L	4/22/08 12:02	AV	E84380
Dissolved Oxygen-field	360.1	1.70		0.01	mg/L	4/18/08 12:05	HC	E84380
pH - field	150.1	6.78		0.01	std units	4/18/08 12:05	HC	E84380
Specific Conductance-field	120.1	1710		0.1	µmhos/cm	4/18/08 12:05	HC	E84380
Turbidity - field	EPA180.1	1.1		0.1	NTU	4/18/08 12:05	HC	E84380
Water Level-field	DEPSOP	8.09		0.01	feet TOC	4/18/08 12:05	HC	E84380
Water Temperature-field	170.1	26.1		0.1	C	4/18/08 12:05	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	4/18/08 12:05	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

SANDERS LABORATORIES, INC.
Laboratory Test Report

Lab Project #:	N0804318
Client:	Youngquist Brothers, Inc. 15465 Pine Ridge Road Ft. Myers, FL 33908
Phone:	239-489-4444
Fax:	239-489-4545
E-mail:	
Client Project Name:	Lehigh Acres WWTP
Laboratory Contact:	Andy Konopacki

All subsequent pages are identified by: N0804318 . These pages may include, but are not limited to: Analytical Data, Chains of Custodys, Subcontracted Data and Case Narratives.

QUALIFIER DEFINITIONS

B: Results based upon colony counts outside the acceptable range.
I: The reported value is between the laboratory MDL and the laboratory PQL.
J3: The reported value failed to meet the established quality control criteria.
J4: The sample matrix interfered with the ability to make an accurate determination.
J5: The data is questionable because of improper lab or field protocols.
K: Off scale low, actual value is less than the value given.
L: Off scale high, actual value is known to be greater than the value given.
Q: Sample held beyond acceptable holding time.
U: The compound was analyzed for, but not detected.
V: The analyte was detected in both the sample and the associated method blank.
Y: The sample was unpreserved or improperly preserved.
Z: Too many colonies present (TNTC).
** This result does not meet NELAC standards.
HACH results may not meet NELAC standards.

A statement of estimated uncertainty of results is available upon request.

Analytical results provided relate only to the samples received for this project.

Sanders Laboratories follows DEP standard operating procedures for field sampling.

Laboratory PQL's are available upon request.

Reports are archived for a minimum of 5 years. Copies of reports which are less than 1 year old are available for a fee of $25.00 per report. Reports older than 1 year are available for a fee of $50.00 per report. Copies will be provided within 1 week of the time of the request.

Client Project: Lehigh Acres WWTP
Lab Project: N0804430
Report Date: 04/30/08

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804430-01	SMW-1 grab	Ground Water	4/25/08 14:00	4/25/08 11:56

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.8		0.1	C	4/25/08 11:56	HC	E84380
Chloride	SM4500Cl-E	115		1	mg/L	4/29/08 14:30	BB	E84380
Dissolved Oxygen-field	360.1	1.84		0.01	mg/L	4/25/08 11:56	HC	E84380
pH - field	150.1	6.97		0.01	std units	4/25/08 11:56	HC	E84380
Specific Conductance-field	120.1	1240		0.1	µmhos/cm	4/25/08 11:56	HC	E84380
Turbidity - field	EPA180.1	13.5		0.1	NTU	4/25/08 11:56	HC	E84380
er Level-field	DEPSOP	5.68		0.01	feet TOC	4/25/08 11:56	HC	E84380
Water Temperature-field	170.1	24.5		0.1	C	4/25/08 11:56	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	4/25/08 11:56	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804430-02	SMW-2 grab	Ground Water	4/25/08 14:00	4/25/08 12:22

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.1		0.1	C	4/25/08 12:22	HC	E84380
Chloride	SM4500Cl-E	154		1	mg/L	4/29/08 14:30	BB	E84380
Dissolved Oxygen-field	360.1	2.14		0.01	mg/L	4/25/08 12:22	HC	E84380
pH - field	150.1	6.97		0.01	std units	4/25/08 12:22	HC	E84380
Specific Conductance-field	120.1	1380		0.1	µmhos/cm	4/25/08 12:22	HC	E84380
Turbidity - field	EPA180.1	7.7		0.1	NTU	4/25/08 12:22	HC	E84380
Water Level-field	DEPSOP	4.79		0.01	feet TOC	4/25/08 12:22	HC	E84380
Water Temperature-field	170.1	24.2		0.1	C	4/25/08 12:22	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	4/25/08 12:22	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804430-03	SMW-3-R grab	Ground Water	4/25/08 14:00	4/25/08 11:37

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.8		0.1	C	4/25/08 11:37	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0804430
Report Date: 04/30/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804430-03	SMW-3-R grab	Ground Water	4/25/08 14:00	4/25/08 11:37

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-E	133		1	mg/L	4/29/08 14:30	BB	E84380
Dissolved Oxygen-field	360.1	2.30		0.01	mg/L	4/25/08 11:37	HC	E84380
pH - field	150.1	6.79		0.01	std units	4/25/08 11:37	HC	E84380
Specific Conductance-field	120.1	1360		0.1	µmhos/cm	4/25/08 11:37	HC	E84380
Turbidity - field	EPA180.1	0.7		0.1	NTU	4/25/08 11:37	HC	E84380
Water Level-field	DEPSOP	5.61		0.01	feet TOC	4/25/08 11:37	HC	E84380
Water Temperature-field	170.1	25.2		0.1	C	4/25/08 11:37	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	4/25/08 11:37	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0804430-04	SMW-4-R grab	Ground Water	4/25/08 14:00	4/25/08 12:50

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	25.1		0.1	C	4/25/08 12:50	HC	E84380
Chloride	SM4500Cl-E	147		1	mg/L	4/29/08 14:30	BB	E84380
Dissolved Oxygen-field	360.1	1.86		0.01	mg/L	4/25/08 12:50	HC	E84380
pH - field	150.1	6.66		0.01	std units	4/25/08 12:50	HC	E84380
Specific Conductance-field	120.1	1580		0.1	µmhos/cm	4/25/08 12:50	HC	E84380
Turbidity - field	EPA180.1	4.2		0.1	NTU	4/25/08 12:50	HC	E84380
Water Level-field	DEPSOP	8.46		0.01	feet TOC	4/25/08 12:50	HC	E84380
Water Temperature-field	170.1	26.0		0.1	C	4/25/08 12:50	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	4/25/08 12:50	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

st Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0805020
Report Date: 05/05/08

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805020-01	SMW-1 grab	Ground Water	5/2/08 17:45	5/2/08 14:46

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.2		0.1	C	5/2/08 14:46	HC	E84380
Chloride	SM4500Cl-E	118		1	mg/L	5/5/08 11:42	AV	E84380
Dissolved Oxygen-field	360.1	2.64		0.01	mg/L	5/2/08 14:46	HC	E84380
pH - field	150.1	6.94		0.01	std units	5/2/08 14:46	HC	E84380
Specific Conductance-field	120.1	1220		0.1	µmhos/cm	5/2/08 14:46	HC	E84380
Turbidity - field	EPA180.1	26.4		0.1	NTU	5/2/08 14:46	HC	E84380
er Level-field	DEPSOP	5.78		0.01	feet TOC	5/2/08 14:46	HC	E84380
Water Temperature-field	170.1	24.6		0.1	C	5/2/08 14:46	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/2/08 14:46	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805020-02	SMW-2 grab	Ground Water	5/2/08 17:45	5/2/08 15:08

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.2		0.1	C	5/2/08 15:08	HC	E84380
Chloride	SM4500Cl-E	151		1	mg/L	5/5/08 11:42	AV	E84380
Dissolved Oxygen-field	360.1	2.54		0.01	mg/L	5/2/08 15:08	HC	E84380
pH - field	150.1	7.02		0.01	std units	5/2/08 15:08	HC	E84380
Specific Conductance-field	120.1	1340		0.1	µmhos/cm	5/2/08 15:08	HC	E84380
Turbidity - field	EPA180.1	3.5		0.1	NTU	5/2/08 15:08	HC	E84380
Water Level-field	DEPSOP	4.96		0.01	feet TOC	5/2/08 15:08	HC	E84380
Water Temperature-field	170.1	24.3		0.1	C	5/2/08 15:08	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/2/08 15:08	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805020-03	SMW-3-R grab	Ground Water	5/2/08 17:45	5/2/08 14:24

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.2		0.1	C	5/2/08 14:24	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0805020
Report Date: 05/05/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805020-03	SMW-3-R grab	Ground Water	5/2/08 17:45	5/2/08 14:24

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-E	123		1	mg/L	5/5/08 11:42	AV	E84380
Dissolved Oxygen-field	360.1	2.41		0.01	mg/L	5/2/08 14:24	HC	E84380
pH - field	150.1	6.77		0.01	std units	5/2/08 14:24	HC	E84380
Specific Conductance-field	120.1	1390		0.1	µmhos/cm	5/2/08 14:24	HC	E84380
Turbidity - field	EPA180.1	3.5		0.1	NTU	5/2/08 14:24	HC	E84380
Water Level-field	DEPSOP	5.64		0.01	feet TOC	5/2/08 14:24	HC	E84380
Water Temperature-field	170.1	25.5		0.1	C	5/2/08 14:24	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/2/08 14:24	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805020-04	SMW-4-R grab	Ground Water	5/2/08 17:45	5/2/08 14:03

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.2		0.1	C	5/2/08 14:03	HC	E84380
Chloride	SM4500Cl-E	168		1	mg/L	5/5/08 11:42	AV	E84380
Dissolved Oxygen-field	360.1	2.21		0.01	mg/L	5/2/08 14:03	HC	E84380
pH - field	150.1	6.65		0.01	std units	5/2/08 14:03	HC	E84380
Specific Conductance-field	120.1	1610		0.1	µmhos/cm	5/2/08 14:03	HC	E84380
Turbidity - field	EPA180.1	3.1		0.1	NTU	5/2/08 14:03	HC	E84380
Water Level-field	DEPSOP	8.31		0.01	feet TOC	5/2/08 14:03	HC	E84380
Water Temperature-field	170.1	26.4		0.1	C	5/2/08 14:03	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/2/08 14:03	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

All Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0805150
Report Date: 05/13/08

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805150-01	SMW-1 grab	Ground Water	5/8/08 14:30	5/8/08 10:59

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.2		0.1	C	5/8/08 10:59	HC	E84380
Chloride	SM4500Cl-E	115		1	mg/L	5/12/08 15:55	AV	E84380
Dissolved Oxygen-field	360.1	2.11		0.01	mg/L	5/8/08 10:59	HC	E84380
pH - field	150.1	6.92		0.01	std units	5/8/08 10:59	HC	E84380
Specific Conductance-field	120.1	1250		0.1	µmhos/cm	5/8/08 10:59	HC	E84380
Turbidity - field	EPA180.1	16.0		0.1	NTU	5/8/08 10:59	HC	E84380
.er Level-field	DEPSOP	5.84		0.01	feet TOC	5/8/08 10:59	HC	E84380
water Temperature-field	170.1	24.9		0.1	C	5/8/08 10:59	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	5/8/08 10:59	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805150-02	SMW-2 grab	Ground Water	5/8/08 14:30	5/8/08 10:33

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	23.9		0.1	C	5/8/08 10:33	HC	E84380
Chloride	SM4500Cl-E	142		1	mg/L	5/12/08 15:55	AV	E84380
Dissolved Oxygen-field	360.1	2.22		0.01	mg/L	5/8/08 10:33	HC	E84380
pH - field	150.1	6.96		0.01	std units	5/8/08 10:33	HC	E84380
Specific Conductance-field	120.1	1340		0.1	µmhos/cm	5/8/08 10:33	HC	E84380
Turbidity - field	EPA180.1	1.9		0.1	NTU	5/8/08 10:33	HC	E84380
Water Level-field	DEPSOP	4.82		0.01	feet TOC	5/8/08 10:33	HC	E84380
Water Temperature-field	170.1	24.6		0.1	C	5/8/08 10:33	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/8/08 10:33	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805150-03	SMW-3-R grab	Ground Water	5/8/08 14:30	5/8/08 11:19

A. sis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	24.4		0.1	C	5/8/08 11:19	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0805150
Report Date: 05/13/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Tim
N0805150-03	SMW-3-R grab	Ground Water	5/8/08 14:30	5/8/08 11:19

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-E	122		1	mg/L	5/12/08 15:55	AV	E84380
Dissolved Oxygen-field	360.1	2.02		0.01	mg/L	5/8/08 11:19	HC	E84380
pH - field	150.1	6.77		0.01	std units	5/8/08 11:19	HC	E84380
Specific Conductance-field	120.1	1420		0.1	µmhos/cm	5/8/08 11:19	HC	E84380
Turbidity - field	EPA180.1	2.3		0.1	NTU	5/8/08 11:19	HC	E84380
Water Level-field	DEPSOP	5.91		0.01	feet TOC	5/8/08 11:19	HC	E84380
Water Temperature-field	170.1	25.9		0.1	C	5/8/08 11:19	HC	E84380
Weather-field	DEPSOP	clear		n/a	none	5/8/08 11:19	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
`10805150-04	SMW-4-R grab	Ground Water	5/8/08 14:30	5/8/08 10:07

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	23.9		0.1	C	5/8/08 10:07	HC	E84380
Chloride	SM4500Cl-E	160		1	mg/L	5/12/08 15:55	AV	E84380
Dissolved Oxygen-field	360.1	2.36		0.01	mg/L	5/8/08 10:07	HC	E84380
pH - field	150.1	6.65		0.01	std units	5/8/08 10:07	HC	E84380
Specific Conductance-field	120.1	1630		0.1	µmhos/cm	5/8/08 10:07	HC	E84380
Turbidity - field	EPA180.1	1.4		0.1	NTU	5/8/08 10:07	HC	E84380
Water Level-field	DEPSOP	8.39		0.01	feet TOC	5/8/08 10:07	HC	E84380
Water Temperature-field	170.1	26.4		0.1	C	5/8/08 10:07	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/8/08 10:07	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

st Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0805253
Report Date: 05/20/08

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805253-01	SMW-1 grab	Ground Water	5/16/08 16:30	5/16/08 14:36

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.4		0.1	C	5/16/08 14:36	HC	E84380
Chloride	SM4500Cl-E	120		1	mg/L	5/19/08 15:59	AV	E84380
Dissolved Oxygen-field	360.1	2.37		0.01	mg/L	5/16/08 14:36	HC	E84380
pH - field	150.1	6.93		0.01	std units	5/16/08 14:36	HC	E84380
Specific Conductance-field	120.1	1210		0.1	µmhos/cm	5/16/08 14:36	HC	E84380
Turbidity - field	EPA180.1	27.2		0.1	NTU	5/16/08 14:36	HC	E84380
er Level-field	DEPSOP	5.81		0.01	feet TOC	5/16/08 14:36	HC	E84380
Water Temperature-field	170.1	25.3		0.1	C	5/16/08 14:36	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/16/08 14:36	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805253-02	SMW-2 grab	Ground Water	5/16/08 16:30	5/16/08 15:04

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.4		0.1	C	5/16/08 15:04	HC	E84380
Chloride	SM4500Cl-E	152		1	mg/L	5/19/08 15:59	AV	E84380
Dissolved Oxygen-field	360.1	2.49		0.01	mg/L	5/16/08 15:04	HC	E84380
pH - field	150.1	7.10		0.01	std units	5/16/08 15:04	HC	E84380
Specific Conductance-field	120.1	1290		0.1	µmhos/cm	5/16/08 15:04	HC	E84380
Turbidity - field	EPA180.1	99.5		0.1	NTU	5/16/08 15:04	HC	E84380
Water Level-field	DEPSOP	5.08		0.01	feet TOC	5/16/08 15:04	HC	E84380
Water Temperature-field	170.1	25.0		0.1	C	5/16/08 15:04	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/16/08 15:04	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805253-03	SMW-3-R grab	Ground Water	5/16/08 16:30	5/16/08 14:19

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.2		0.1	C	5/16/08 14:19	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0805253
Report Date: 05/20/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805253-03	SMW-3-R grab	Ground Water	5/16/08 16:30	5/16/08 14:19

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-E	123		1	mg/L	5/19/08 15:59	AV	E84380
Dissolved Oxygen-field	360.1	2.59		0.01	mg/L	5/16/08 14:19	HC	E84380
pH - field	150.1	6.74		0.01	std units	5/16/08 14:19	HC	E84380
Specific Conductance-field	120.1	1370		0.1	µmhos/cm	5/16/08 14:19	HC	E84380
Turbidity - field	EPA180.1	6.0		0.1	NTU	5/16/08 14:19	HC	E84380
Water Level-field	DEPSOP	6.48		0.01	feet TOC	5/16/08 14:19	HC	E84380
Water Temperature-field	170.1	26.5		0.1	C	5/16/08 14:19	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/16/08 14:19	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
l0805253-04	SMW-4-R grab	Ground Water	5/16/08 16:30	5/16/08 13:57

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.1		0.1	C	5/16/08 13:57	HC	E84380
Chloride	SM4500Cl-E	163		1	mg/L	5/19/08 15:59	AV	E84380
Dissolved Oxygen-field	360.1	2.48		0.01	mg/L	5/16/08 13:57	HC	E84380
pH - field	150.1	6.67		0.01	std units	5/16/08 13:57	HC	E84380
Specific Conductance-field	120.1	1550		0.1	µmhos/cm	5/16/08 13:57	HC	E84380
Turbidity - field	EPA180.1	3.1		0.1	NTU	5/16/08 13:57	HC	E84380
Water Level-field	DEPSOP	8.47		0.01	feet TOC	5/16/08 13:57	HC	E84380
Water Temperature-field	170.1	26.8		0.1	C	5/16/08 13:57	HC	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/16/08 13:57	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

st Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0805350
Report Date: 05/29/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805350-01	SMW-1 grab	Ground Water	5/23/08 14:35	5/23/08 11:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.2		0.1	C	5/23/08 11:00	SO	E84380
Chloride	SM4500Cl-E	127		1	mg/L	5/28/08 13:37	AV	E84380
Dissolved Oxygen-field	360.1	2.84		0.01	mg/L	5/23/08 11:00	SO	E84380
pH - field	150.1	6.79		0.01	std units	5/23/08 11:00	SO	E84380
Specific Conductance-field	120.1	1180		0.1	µmhos/cm	5/23/08 11:00	SO	E84380
Turbidity - field	EPA180.1	217		0.1	NTU	5/23/08 11:00	SO	E84380
Water Level-field	DEPSOP	5.82		0.01	feet TOC	5/23/08 11:00	SO	E84380
Water Temperature-field	170.1	25.7		0.1	C	5/23/08 11:00	SO	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/23/08 11:00	SO	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805350-02	SMW-2 grab	Ground Water	5/23/08 14:35	5/23/08 11:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	28.3		0.1	C	5/23/08 11:30	SO	E84380
Chloride	SM4500Cl-E	128		1	mg/L	5/28/08 13:37	AV	E84380
Dissolved Oxygen-field	360.1	2.87		0.01	mg/L	5/23/08 11:30	SO	E84380
pH - field	150.1	6.74		0.01	std units	5/23/08 11:30	SO	E84380
Specific Conductance-field	120.1	1210		0.1	µmhos/cm	5/23/08 11:30	SO	E84380
Turbidity - field	EPA180.1	2.3		0.1	NTU	5/23/08 11:30	SO	E84380
Water Level-field	DEPSOP	4.95		0.01	feet TOC	5/23/08 11:30	SO	E84380
Water Temperature-field	170.1	25.4		0.1	C	5/23/08 11:30	SO	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/23/08 11:30	SO	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805350-03	SMW-3-R grab	Ground Water	5/23/08 14:35	5/23/08 10:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.2		0.1	C	5/23/08 10:20	SO	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0805350
Report Date: 05/29/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805350-03	SMW-3-R grab	Ground Water	5/23/08 14:35	5/23/08 10:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-E	123		1	mg/L	5/28/08 13:37	AV	E84380
Dissolved Oxygen-field	360.1	2.57		0.01	mg/L	5/23/08 10:20	SO	E84380
pH - field	150.1	6.66		0.01	std units	5/23/08 10:20	SO	E84380
Specific Conductance-field	120.1	1390		0.1	µmhos/cm	5/23/08 10:20	SO	E84380
Turbidity - field	EPA180.1	0.6		0.1	NTU	5/23/08 10:20	SO	E84380
Water Level-field	DEPSOP	5.72		0.01	feet TOC	5/23/08 10:20	SO	E84380
Water Temperature-field	170.1	27.5		0.1	C	5/23/08 10:20	SO	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/23/08 10:20	SO	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
10805350-04	SMW-4-R grab	Ground Water	5/23/08 14:35	5/23/08 9:50

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	27.2		0.1	C	5/23/08 9:50	SO	E84380
Chloride	SM4500Cl-E	155		1	mg/L	5/28/08 13:37	AV	E84380
Dissolved Oxygen-field	360.1	2.96		0.01	mg/L	5/23/08 9:50	SO	E84380
pH - field	150.1	6.55		0.01	std units	5/23/08 9:50	SO	E84380
Specific Conductance-field	120.1	1540		0.1	µmhos/cm	5/23/08 9:50	SO	E84380
Turbidity - field	EPA180.1	1.9		0.1	NTU	5/23/08 9:50	SO	E84380
Water Level-field	DEPSOP	8.30		0.01	feet TOC	5/23/08 9:50	SO	E84380
Water Temperature-field	170.1	27.1		0.1	C	5/23/08 9:50	SO	E84380
Weather-field	DEPSOP	p. cloudy		n/a	none	5/23/08 9:50	SO	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

st Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0805422
Report Date: 06/03/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805422-01	SMW-1 grab	Ground Water	5/30/08 16:35	5/30/08 15:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	29.5		0.1	C	5/30/08 15:15	HC	E84380
Chloride	SM4500Cl-E	117		1	mg/L	6/2/08 14:51	AV	E84380
Dissolved Oxygen-field	360.1	2.67		0.01	mg/L	5/30/08 15:15	HC	E84380
pH - field	150.1	6.78		0.01	std units	5/30/08 15:15	HC	E84380
Specific Conductance-field	120.1	1240		0.1	µmhos/cm	5/30/08 15:15	HC	E84380
Turbidity - field	EPA180.1	9.2		0.1	NTU	5/30/08 15:15	HC	E84380
Water Level-field	DEPSOP	6.24		0.01	feet TOC	5/30/08 15:15	HC	E84380
Water Temperature-field	170.1	25.4		0.1	C	5/30/08 15:15	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	5/30/08 15:15	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805422-02	SMW-2 grab	Ground Water	5/30/08 16:35	5/30/08 15:38

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	29.5		0.1	C	5/30/08 15:38	HC	E84380
Chloride	SM4500Cl-E	132		1	mg/L	6/2/08 14:51	AV	E84380
Dissolved Oxygen-field	360.1	2.30		0.01	mg/L	5/30/08 15:38	HC	E84380
pH - field	150.1	6.79		0.01	std units	5/30/08 15:38	HC	E84380
Specific Conductance-field	120.1	1310		0.1	µmhos/cm	5/30/08 15:38	HC	E84380
Turbidity - field	EPA180.1	5.0		0.1	NTU	5/30/08 15:38	HC	E84380
Water Level-field	DEPSOP	5.43		0.01	feet TOC	5/30/08 15:38	HC	E84380
Water Temperature-field	170.1	25.0		0.1	C	5/30/08 15:38	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	5/30/08 15:38	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805422-03	SMW-3-R grab	Ground Water	5/30/08 16:35	5/30/08 14:53

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Temperature-field	170.1	29.5		0.1	C	5/30/08 14:53	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0805422
Report Date: 06/03/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805422-03	SMW-3-R grab	Ground Water	5/30/08 16:35	5/30/08 14:53

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-E	122		1	mg/L	6/2/08 14:51	AV	E84380
Dissolved Oxygen-field	360.1	1.91		0.01	mg/L	5/30/08 14:53	HC	E84380
pH - field	150.1	6.61		0.01	std units	5/30/08 14:53	HC	E84380
Specific Conductance-field	120.1	1480		0.1	µmhos/cm	5/30/08 14:53	HC	E84380
Turbidity - field	EPA180.1	0.7		0.1	NTU	5/30/08 14:53	HC	E84380
Water Level-field	DEPSOP	6.28		0.01	feet TOC	5/30/08 14:53	HC	E84380
Water Temperature-field	170.1	27.3		0.1	C	5/30/08 14:53	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	5/30/08 14:53	HC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0805422-04	SMW-4-R grab	Ground Water	5/30/08 16:35	5/30/08 14:32

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	29.5		0.1	C	5/30/08 14:32	HC	E84380
Chloride	SM4500Cl-E	155		1	mg/L	6/2/08 14:51	AV	E84380
Dissolved Oxygen-field	360.1	2.13		0.01	mg/L	5/30/08 14:32	HC	E84380
pH - field	150.1	6.57		0.01	std units	5/30/08 14:32	HC	E84380
Specific Conductance-field	120.1	1600		0.1	µmhos/cm	5/30/08 14:32	HC	E84380
Turbidity - field	EPA180.1	0.5		0.1	NTU	5/30/08 14:32	HC	E84380
Water Level-field	DEPSOP	8.86		0.01	feet TOC	5/30/08 14:32	HC	E84380
Water Temperature-field	170.1	27.3		0.1	C	5/30/08 14:32	HC	E84380
Weather-field	DEPSOP	mostly cloudy		n/a	none	5/30/08 14:32	HC	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Kondracki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0806176
Report Date: 06/19/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0806176-01	SMW-1 grab	Ground Water	6/11/08 14:45	6/11/08 11:50

Analysis	Method	Results	Qual	MDL	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.5		0.1	C	6/11/08 11:50	SO	E84380
Chloride	SM4500Cl-E	110		1	mg/L	6/17/08 11:18	BB	E84380
Dissolved Oxygen-field	360.1	2.53		0.01	mg/L	6/11/08 11:50	SO	E84380
pH - field	150.1	6.89		0.01	std units	6/11/08 11:50	SO	E84380
Specific Conductance-field	120.1	1090		0.1	µmhos/cm	6/11/08 11:50	SO	E84380
Turbidity - field	EPA180.1	23.5		0.1	NTU	6/11/08 11:50	SO	E84380
Water Level-field	DEPSOP	6.20		0.01	feet TOC	6/11/08 11:50	SO	E84380
Water Temperature-field	170.1	26.0		0.1	C	6/11/08 11:50	SO	E84380
Weather-field	DEPSOP	cloudy		n/a	none	6/11/08 11:50	SO	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0806176-02	SMW-2 grab	Ground Water	6/11/08 14:45	6/11/08 12:30

Analysis	Method	Results	Qual	MDL	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.5		0.1	C	6/11/08 12:30	SO	E84380
Chloride	SM4500Cl-E	123		1	mg/L	6/17/08 11:18	BB	E84380
Dissolved Oxygen-field	360.1	2.76		0.01	mg/L	6/11/08 12:30	SO	E84380
pH - field	150.1	6.88		0.01	std units	6/11/08 12:30	SO	E84380
Specific Conductance-field	120.1	1140		0.1	µmhos/cm	6/11/08 12:30	SO	E84380
Turbidity - field	EPA180.1	14.8		0.1	NTU	6/11/08 12:30	SO	E84380
Water Level-field	DEPSOP	5.41		0.01	feet TOC	6/11/08 12:30	SO	E84380
Water Temperature-field	170.1	25.6		0.1	C	6/11/08 12:30	SO	E84380
Weather-field	DEPSOP	cloudy		n/a	none	6/11/08 12:30	SO	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0806176-03	SMW-3-R grab	Ground Water	6/11/08 14:45	6/11/08 11:10

Analysis	Method	Results	Qual	MDL	Units	AnalysisDate/Time	Analyst	Cert ID
Temperature-field	170.1	30.5		0.1	C	6/11/08 11:10	SO	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0806176
Report Date: 06/19/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0806176-03	SMW-3-R grab	Ground Water	6/11/08 14:45	6/11/08 11:10

Analysis	Method	Results	Qual	MDL	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-E	117		1	mg/L	6/17/08 11:18	BB	E84380
Dissolved Oxygen-field	360.1	2.74		0.01	mg/L	6/11/08 11:10	SO	E84380
pH - field	150.1	6.72		0.01	std units	6/11/08 11:10	SO	E84380
Specific Conductance-field	120.1	1360		0.1	µmhos/cm	6/11/08 11:10	SO	E84380
Turbidity - field	EPA180.1	0.2		0.1	NTU	6/11/08 11:10	SO	E84380
Water Level-field	DEPSOP	6.12		0.01	feet TOC	6/11/08 11:10	SO	E84380
Water Temperature-field	170.1	28.0		0.1	C	6/11/08 11:10	SO	E84380
Weather-field	DEPSOP	cloudy		n/a	none	6/11/08 11:10	SO	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0806176-04	SMW-4-R grab	Ground Water	6/11/08 14:45	6/11/08 10:35

Analysis	Method	Results	Qual	MDL	Units	AnalysisDate/Time	Analyst	Cert ID
Air Temperature-field	170.1	30.5		0.1	C	6/11/08 10:35	SO	E84380
Chloride	SM4500Cl-E	139		1	mg/L	6/17/08 11:18	BB	E84380
Dissolved Oxygen-field	360.1	2.71		0.01	mg/L	6/11/08 10:35	SO	E84380
pH - field	150.1	6.57		0.01	std units	6/11/08 10:35	SO	E84380
Specific Conductance-field	120.1	1470		0.1	µmhos/cm	6/11/08 10:35	SO	E84380
Turbidity - field	EPA180.1	0.2		0.1	NTU	6/11/08 10:35	SO	E84380
Water Level-field	DEPSOP	8.72		0.01	feet TOC	6/11/08 10:35	SO	E84380
Water Temperature-field	170.1	27.6		0.1	C	6/11/08 10:35	SO	E84380
Weather-field	DEPSOP	cloudy		n/a	none	6/11/08 10:35	SO	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

APPENDIX L

Airlift Water Quality
Laboratory Reports

LZMW-1B

Client Project: Lehigh Acres WWTP
Lab Project: N0708289
Report Date: 08/22/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-01	LZMW-1B 1217 Depth grab	Ground Water	8/16/07 15:45	8/14/07 0:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	62		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	10.84	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	704		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	40		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	300		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-02	LZMW-1B 1277 Depth grab	Ground Water	8/16/07 15:45	8/14/07 2:25

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	65		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	11.12	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	840		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	45		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	332		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-03	LZMW-1B 1337 Depth grab	Ground Water	8/16/07 15:45	8/14/07 4:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	65		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	11.14	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	883		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	47		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	316		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-04	LZMW-1B 1397 Depth grab	Ground Water	8/16/07 15:45	8/14/07 6:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
de	SM4500Cl-B	65		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	11.18	Q	0.01	std units	8/16/07 18:00	WC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0708289
Report Date: 08/22/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-04	LZMW-1B 1397 Depth grab	Ground Water	8/16/07 15:45	8/14/07 6:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Specific Conductivity	SM2510B	920		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	53		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	328		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-05	LZMW-1B 1457 Depth grab	Ground Water	8/16/07 15:45	8/14/07 9:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	82		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	11.17	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	904		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	72		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	320		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-06	LZMW-1B 1517 Depth grab	Ground Water	8/16/07 15:45	8/14/07 11:47

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	55		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	11.32	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	1060		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	87		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	424		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-07	LZMW-1B 1577 Depth grab	Ground Water	8/16/07 15:45	8/14/07 14:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	72		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	11.31	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	1120		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	95		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	400		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time

Client Project: Lehigh Acres WWTP
Lab Project: N0708289
Report Date: 08/22/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-08	LZMW-1B 1637 Depth grab	Ground Water	8/16/07 15:45	8/15/07 13:05

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	167		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	10.85	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	1110		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	149		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	564		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-09	LZMW-1B 1697 Depth grab	Ground Water	8/16/07 15:45	8/15/07 16:10

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	160		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	10.71	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	1050		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	157		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	548		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-10	LZMW-1B 1757 Depth grab	Ground Water	8/16/07 15:45	8/15/07 19:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	180		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	10.58	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	1060		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	171		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	552		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-11	LZMW-1B 1817 Depth grab	Ground Water	8/16/07 15:45	8/15/07 22:45

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	185		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	9.92	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	1100		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	165		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	844		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time

Client Project: Lehigh Acres WWTP
Lab Project: N0708289
Report Date: 08/22/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-12	LZMW-1B 1847 Depth grab	Ground Water	8/16/07 15:45	8/16/07 0:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	220		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	9.37	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	1190		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	227		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	1730		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-13	LZMW-1B 1877 Depth grab	Ground Water	8/16/07 15:45	8/16/07 3:07

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	250		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	9.34	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	1380		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	238		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	1460		20	mg/L	8/20/07 15:30	WC	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0708289-14	LZMW-1B 1907 Depth grab	Ground Water	8/16/07 15:45	8/16/07 4:50

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	360		1	mg/L	8/20/07 9:30	BB	E84380
pH	SM4500H-B	9.06	Q	0.01	std units	8/16/07 18:00	WC	E84380
Specific Conductivity	SM2510B	1650		0.1	µmhos/cm	8/20/07 8:00	BB	E84380
Sulfate	ASTM-D516-90	193		2	mg/L	8/20/07 15:14	BB	E84380
Total Dissolved Solids	SM2540C	1130		20	mg/L	8/20/07 15:30	WC	E84380

Approved by:

Kathrine Barkiewicz/Lab Manager Fort Myers
Andrew Kondpacki/Lab Manager Nokomis

Comments: Excessive amounts of fine solids in samples.

Test Results meet all the requirements of the NELAC standards.

APPENDIX M

Airlift Water Quality
Laboratory Reports

DIW-1

Client Project: Lehigh Acres WWTP
Lab Project: N0801256
Report Date: 01/23/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801256-01	Airlift @ 2015 grab	Ground Water	1/16/08 14:45	1/12/08 6:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	15200		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.97	Q	0.01	std units	1/16/08 15:30	BB	E84380
Specific Conductivity	SM2510B	42000		0.1	µmhos/cm	1/17/08 10:00	BB	E84380
Sulfate	ASTM-D516-90	2510	J3	2	mg/L	1/18/08 15:21	BB	E84380
Total Dissolved Solids	SM2540C	25800		20	mg/L	1/16/08 16:15	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801256-02	Airlift @ 2075 grab	Ground Water	1/16/08 14:45	1/13/08 14:22

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	7800		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	8.00	Q	0.01	std units	1/16/08 15:30	BB	E84380
Specific Conductivity	SM2510B	22000		0.1	µmhos/cm	1/17/08 10:00	BB	E84380
Sulfate	ASTM-D516-90	1350	J3	2	mg/L	1/18/08 15:21	BB	E84380
Total Dissolved Solids	SM2540C	11000		20	mg/L	1/16/08 16:15	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801256-03	Airlift @ 2135 grab	Ground Water	1/16/08 14:45	1/14/08 16:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	16200		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.79	Q	0.01	std units	1/16/08 15:30	BB	E84380
Specific Conductivity	SM2510B	43800		0.1	µmhos/cm	1/17/08 10:00	BB	E84380
Sulfate	ASTM-D516-90	2410	J3	2	mg/L	1/18/08 15:21	BB	E84380
Total Dissolved Solids	SM2540C	26600	J3	20	mg/L	1/16/08 16:15	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801256-04	Airlift @ 2157 grab	Ground Water	1/16/08 14:45	1/15/08 2:25

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
·ride	SM4500Cl-B	19500		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.68	Q	0.01	std units	1/16/08 15:30	BB	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0801256
Report Date: 01/23/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801256-04	Airlift @ 2157 grab	Ground Water	1/16/08 14:45	1/15/08 2:25

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Specific Conductivity	SM2510B	51700		0.1	µmhos/cm	1/17/08 10:00	BB	E84380
Sulfate	ASTM-D516-90	3070	J3	2	mg/L	1/18/08 15:21	BB	E84380
Total Dissolved Solids	SM2540C	27800	J3	20	mg/L	1/16/08 16:15	AS	E84380

Approved by:

Comments:

Katherine Bartlewicz/Lab Manager Fort Myers
Andrew Konopski/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0801312
Report Date: 01/25/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801312-01	2217 ft grab	Ground Water	1/21/08 16:00	1/16/08 16:19

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	18700		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.63	Q	0.01	std units	1/21/08 16:30	AS	E84380
Specific Conductivity	SM2510B	53400		0.1	µmhos/cm	1/22/08 8:40	BB	E84380
Sulfate	ASTM-D516-90	3210		2	mg/L	1/24/08 16:34	AV	E84380
Total Dissolved Solids	SM2540C	29400		20	mg/L	1/22/08 14:20	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801312-02	2255 ft grab	Ground Water	1/21/08 16:00	1/16/08 22:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	19500		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.61	Q	0.01	std units	1/21/08 16:30	AS	E84380
Specific Conductivity	SM2510B	56500		0.1	µmhos/cm	1/22/08 8:40	BB	E84380
Sulfate	ASTM-D516-90	3150		2	mg/L	1/24/08 16:34	AV	E84380
Total Dissolved Solids	SM2540C	30800		20	mg/L	1/22/08 14:20	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801312-03	2315 ft grab	Ground Water	1/21/08 16:00	1/18/08 11:49

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20000		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.62	Q	0.01	std units	1/21/08 16:30	AS	E84380
Specific Conductivity	SM2510B	56500		0.1	µmhos/cm	1/22/08 8:40	BB	E84380
Sulfate	ASTM-D516-90	3150		2	mg/L	1/24/08 16:34	AV	E84380
Total Dissolved Solids	SM2540C	30300		20	mg/L	1/22/08 14:20	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801312-04	2377 ft grab	Ground Water	1/21/08 16:00	1/19/08 12:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20000		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.56	Q	0.01	std units	1/21/08 16:30	AS	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0801312
Report Date: 01/25/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801312-04	2377 ft grab	Ground Water	1/21/08 16:00	1/19/08 12:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Specific Conductivity	SM2510B	56500		0.1	µmhos/cm	1/22/08 8:40	BB	E84380
Sulfate	ASTM-D516-90	3860		2	mg/L	1/24/08 16:34	AV	E84380
Total Dissolved Solids	SM2540C	32800		20	mg/L	1/22/08 14:20	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801312-05	2437 ft grab	Ground Water	1/21/08 16:00	1/19/08 14:27

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	19000		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.56	Q	0.01	std units	1/21/08 16:30	AS	E84380
Specific Conductivity	SM2510B	56800		0.1	µmhos/cm	1/22/08 8:40	BB	E84380
Sulfate	ASTM-D516-90	3100		2	mg/L	1/24/08 16:34	AV	E84380
Total Dissolved Solids	SM2540C	30700		20	mg/L	1/22/08 14:20	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801312-06	2497 ft grab	Ground Water	1/21/08 16:00	1/20/08 8:14

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	19000		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.50	Q	0.01	std units	1/21/08 16:30	AS	E84380
Specific Conductivity	SM2510B	57100		0.1	µmhos/cm	1/22/08 8:40	BB	E84380
Sulfate	ASTM-D516-90	3070		2	mg/L	1/24/08 16:34	AV	E84380
Total Dissolved Solids	SM2540C	30800		20	mg/L	1/22/08 14:20	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801312-07	2557 ft grab	Ground Water	1/21/08 16:00	1/20/08 11:56

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	19500		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.44	Q	0.01	std units	1/21/08 16:30	AS	E84380
Specific Conductivity	SM2510B	56300		0.1	µmhos/cm	1/22/08 8:40	BB	E84380
Sulfate	ASTM-D516-90	3400		2	mg/L	1/24/08 16:34	AV	E84380
Total Dissolved Solids	SM2540C	30600		20	mg/L	1/22/08 14:20	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time

Client Project: Lehigh Acres WWTP
Lab Project: N0801312
Report Date: 01/25/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801312-08	2617 ft grab	Ground Water	1/21/08 16:00	1/20/08 17:08

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	23000		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.45	Q	0.01	std units	1/21/08 16:30	AS	E84380
Specific Conductivity	SM2510B	56500		0.1	µmhos/cm	1/22/08 8:40	BB	E84380
Sulfate	ASTM-D516-90	3540		2	mg/L	1/24/08 16:34	AV	E84380
Total Dissolved Solids	SM2540C	31400		20	mg/L	1/22/08 14:20	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801312-09	2677 ft grab	Ground Water	1/21/08 16:00	1/20/08 23:40

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20500		1	mg/L	1/22/08 11:30	BB	E84380
pH	SM4500H-B	7.48	Q	0.01	std units	1/21/08 16:30	AS	E84380
Specific Conductivity	SM2510B	55000		0.1	µmhos/cm	1/22/08 8:40	BB	E84380
Sulfate	ASTM-D516-90	3410		2	mg/L	1/24/08 16:34	AV	E84380
Total Dissolved Solids	SM2540C	31300		20	mg/L	1/22/08 14:20	AS	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager-Port Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0801388
Report Date: 01/30/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801388-01	Airlift Sample 2737 ft. grab	Ground Water	1/25/08 16:45	1/21/08 16:20

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20000		1	mg/L	1/28/08 10:30	BB	E84380
pH	SM4500H-B	7.36	Q	0.01	std units	1/25/08 17:00	AV	E84380
Specific Conductivity	SM2510B	53400		0.1	µmhos/cm	1/28/08 8:20	BB	E84380
Sulfate	ASTM-D516-90	2990		2	mg/L	1/29/08 11:34	AV	E84380
Total Dissolved Solids	SM2540C	31700		20	mg/L	1/28/08 15:40	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801388-02	Airlift Sample 2797 ft. grab	Ground Water	1/25/08 16:45	[illegible]

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	13200		1	mg/L	1/28/08 10:30	BB	E84380
pH	SM4500H-B	7.62	Q	0.01	std units	1/25/08 17:00	AV	E84380
Specific Conductivity	SM2510B	33800		0.1	umhos/cm	1/28/08 8:20	BB	E84380
Sulfate	ASTM-D516-90	3400		2	mg/L	1/29/08 11:34	AV	E84380
Total Dissolved Solids	SM2540C	30300		20	mg/L	1/28/08 15:40	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801388-03	Airlift Sample 2877 ft. grab	Ground Water	1/25/08 16:45	1/24/08 22:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20500		1	mg/L	1/28/08 10:30	BB	E84380
pH	SM4500H-B	7.65	Q	0.01	std units	1/25/08 17:00	AV	E84380
Specific Conductivity	SM2510B	52900		0.1	umhos/cm	1/28/08 8:20	BB	E84380
Sulfate	ASTM-D516-90	3100		2	mg/L	1/29/08 11:34	AV	E84380
Total Dissolved Solids	SM2540C	31400		20	mg/L	1/28/08 15:40	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801388-04	Airlift Sample 2917 ft. grab	Ground Water	1/25/08 16:45	[illegible]

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
[illegible]	[illegible]	20200		[illegible]	mg/L	[illegible]	BB	[illegible]

Client Project: Lehigh Acres WWTP
Lab Project: N0801388
Report Date: 01/30/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801388-04	Airlift Sample 2917 ft grab	Ground Water	1/25/08 15:45	1/25/08 7:20

Analysis	Method	Results	Qual	Detection Limit	Units	Analysis Date/Time	Analyst	Sort ID
Specific Conductivity	SM2510B	54000		0.1	µmhos/cm	1/28/08 8:20	SH	E84380
Chloride	ASTM-D510-90	5100		2	mg/L	1/29/08 11:34	AV	E84380
Total Dissolved Solids	SM2540C	30900		20	mg/L	1/28/08 15:40	AS	E84380

Approved by:

Comments:

Kathryne Bartkiewicz/Lab Manager Fort Myers
Andrew Kondracki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0801421
Report Date: 02/04/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801421-01	Airlift Sample # 2977 grab	Ground Water	1/30/08 12:50	1/25/08 21:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	18000		1	mg/L	2/3/08 13:10	BB	E84380
pH	SM4500H-B	7.65	Q	0.01	std units	1/30/08 14:00	AV	E84380
Specific Conductivity	SM2510B	53900		0.1	µmhos/cm	1/31/08 14:30	AV	E84380
Sulfate	ASTM-D516-90	3450		2	mg/L	2/1/08 16:20	AV	E84380
Total Dissolved Solids	SM2540C	32600		20	mg/L	1/31/08 14:30	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801421-02	Airlift Sample # 3037 grab	Ground Water	1/30/08 12:50	1/26/08 14:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20500		1	mg/L	2/3/08 13:10	BB	E84380
pH	SM4500H-B	7.71	Q	0.01	std units	1/30/08 14:00	AV	E84380
Specific Conductivity	SM2510B	55000		0.1	µmhos/cm	1/31/08 14:30	AV	E84380
Sulfate	ASTM-D516-90	3100		2	mg/L	2/1/08 16:20	AV	E84380
Total Dissolved Solids	SM2540C	31800		20	mg/L	1/31/08 14:30	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801421-03	Airlift Sample # 3097 grab	Ground Water	1/30/08 12:50	1/27/08 2:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20000		1	mg/L	2/3/08 13:10	BB	E84380
pH	SM4500H-B	7.62	Q	0.01	std units	1/30/08 14:00	AV	E84380
Specific Conductivity	SM2510B	55100		0.1	µmhos/cm	1/31/08 14:30	AV	E84380
Sulfate	ASTM-D516-90	2980		2	mg/L	2/1/08 16:20	AV	E84380
Total Dissolved Solids	SM2540C	32500		20	mg/L	1/31/08 14:30	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801421-04	Airlift Sample # 3157 grab	Ground Water	1/30/08 12:50	1/29/08 1:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
ride	SM4500Cl-B	20000		1	mg/L	2/3/08 13:10	BB	E84380
pH	SM4500H-B	7.59	Q	0.01	std units	1/30/08 14:00	AV	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0801421
Report Date: 02/04/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801421-04	Airlift Sample # 3157 grab	Ground Water	1/30/08 12:50	1/29/08 1:00

Analysis	Method	Results	Qual	Detection Limit	Units	Analysis Date/Time	Analyst	Cert ID
Specific Conductivity	SM2510B	57100		0.1	µmhos/cm	1/31/08 14:30	AV	E84380
Sulfate	ASTM-D516-90	3040		2	mg/L	2/1/08 16:20	AV	E84380
Total Dissolved Solids	SM2540C	33800		20	mg/L	1/31/08 14:30	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801421-05	Airlift Sample # 3197 grab	Ground Water	1/30/08 12:50	1/29/08 18:02

Analysis	Method	Results	Qual	Detection Limit	Units	Analysis Date/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20500		1	mg/L	2/3/08 13:10	BB	E84380
pH	SM4500H-B	7.57	Q	0.01	std units	1/30/08 14:00	AV	E84380
Specific Conductivity	SM2510B	58000		0.1	µmhos/cm	1/31/08 14:30	AV	E84380
Sulfate	ASTM-D516-90	3060		2	mg/L	2/1/08 16:20	AV	E84380
Total Dissolved Solids	SM2540C	35200		20	mg/L	1/31/08 14:30	AS	E84380

Approved by:

Comments:

Kathrine Bartlewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0801421
Report Date: 02/04/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801421-01	Airlift Sample # 2977 grab	Ground Water	1/30/08 12:50	1/25/08 21:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	18000		1	mg/L	2/3/08 13:10	BB	E84380
pH	SM4500H-B	7.65	Q	0.01	std units	1/30/08 14:00	AV	E84380
Specific Conductivity	SM2510B	53900		0.1	µmhos/cm	1/31/08 14:30	AV	E84380
Sulfate	ASTM-D516-90	3450		2	mg/L	2/1/08 16:20	AV	E84380
Total Dissolved Solids	SM2540C	32600		20	mg/L	1/31/08 14:30	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
?01421-02	Airlift Sample # 3037 grab	Ground Water	1/30/08 12:50	1/26/08 14:15

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20500		1	mg/L	2/3/08 13:10	BB	E84380
pH	SM4500H-B	7.71	Q	0.01	std units	1/30/08 14:00	AV	E84380
Specific Conductivity	SM2510B	55000		0.1	µmhos/cm	1/31/08 14:30	AV	E84380
Sulfate	ASTM-D516-90	3100		2	mg/L	2/1/08 16:20	AV	E84380
Total Dissolved Solids	SM2540C	31800		20	mg/L	1/31/08 14:30	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801421-03	Airlift Sample # 3097 grab	Ground Water	1/30/08 12:50	1/27/08 2:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20000		1	mg/L	2/3/08 13:10	BB	E84380
pH	SM4500H-B	7.62	Q	0.01	std units	1/30/08 14:00	AV	E84380
Specific Conductivity	SM2510B	55100		0.1	µmhos/cm	1/31/08 14:30	AV	E84380
Sulfate	ASTM-D516-90	2980		2	mg/L	2/1/08 16:20	AV	E84380
Total Dissolved Solids	SM2540C	32500		20	mg/L	1/31/08 14:30	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801421-04	Airlift Sample # 3157 grab	Ground Water	1/30/08 12:50	1/29/08 1:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20000		1	mg/L	2/3/08 13:10	BB	E84380
pH	SM4500H-B	7.59	Q	0.01	std units	1/30/08 14:00	AV	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0801421
Report Date: 02/04/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801421-04	Airlift Sample # 3157 grab	Ground Water	1/30/08 12:50	1/29/08 1:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Specific Conductivity	SM2510B	57100		0.1	µmhos/cm	1/31/08 14:30	AV	E84380
Sulfate	ASTM-D516-90	3040		2	mg/L	2/1/08 16:20	AV	E84380
Total Dissolved Solids	SM2540C	33800		20	mg/L	1/31/08 14:30	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801421-05	Airlift Sample # 3197 grab	Ground Water	1/30/08 12:50	1/29/08 18:02

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	20500		1	mg/L	2/3/08 13:10	BB	E84380
pH	SM4500H-B	7.57	Q	0.01	std units	1/30/08 14:00	AV	E84380
Specific Conductivity	SM2510B	58000		0.1	µmhos/cm	1/31/08 14:30	AV	E84380
ulfate	ASTM-D516-90	3060		2	mg/L	2/1/08 16:20	AV	E84380
Total Dissolved Solids	SM2540C	35200		20	mg/L	1/31/08 14:30	AS	E84380

Approved by:

Comments:

Kathrine Bartlewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Client Project: Lehigh Acres WWTP
Lab Project: N0712380
Report Date: 12/28/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712380-01	1240 grab	Ground Water	12/21/07 15:15	12/13/07 18:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	90		1	mg/L	12/24/07 9:30	BB	E84380
pH	SM4500H-B	7.83	Q	0.01	std units	12/24/07 7:45	AK	E84380
Specific Conductivity	SM2510B	1040	J4	0.1	µmhos/cm	12/24/07 8:30	AK	E84380
Sulfate	ASTM-D516-90	620	J4	2	mg/L	12/24/07 11:35	AG	E84380
Total Dissolved Solids	SM2540C	1060	Q	20	mg/L	12/27/07 16:00	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
0712380-02	1300 grab	Ground Water	12/21/07 15:15	12/14/07 0:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	95		1	mg/L	12/24/07 9:30	BB	E84380
pH	SM4500H-B	8.11	Q	0.01	std units	12/24/07 7:45	AK	E84380
Specific Conductivity	SM2510B	702	J4	0.1	µmhos/cm	12/24/07 8:30	AK	E84380
Sulfate	ASTM-D516-90	426	J4	2	mg/L	12/24/07 11:35	AG	E84380
Total Dissolved Solids	SM2540C	860	Q	20	mg/L	12/27/07 16:00	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712380-03	1360 grab	Ground Water	12/21/07 15:15	12/14/07 13:12

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	85		1	mg/L	12/24/07 9:30	BB	E84380
pH	SM4500H-B	8.00	Q	0.01	std units	12/24/07 7:45	AK	E84380
Specific Conductivity	SM2510B	724	J4	0.1	µmhos/cm	12/24/07 8:30	AK	E84380
Sulfate	ASTM-D516-90	425	J4	2	mg/L	12/24/07 11:35	AG	E84380
Total Dissolved Solids	SM2540C	640	Q	20	mg/L	12/27/07 16:00	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712380-04	1420 grab	Ground Water	12/21/07 15:15	12/14/07 15:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
ide	SM4500Cl-B	80		1	mg/L	12/24/07 9:30	BB	E84380
pH	SM4500H-B	7.95	Q	0.01	std units	12/24/07 7:45	AK	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0712380
Report Date: 12/28/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712380-04	1420 grab	Ground Water	12/21/07 15:15	12/14/07 15:30

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Specific Conductivity	SM2510B	703	J4	0.1	µmhos/cm	12/24/07 8:30	AK	E84380
Sulfate	ASTM-D516-90	474	J4	2	mg/L	12/24/07 11:35	AG	E84380
Total Dissolved Solids	SM2540C	780	Q	20	mg/L	12/27/07 16:00	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712380-05	1480 grab	Ground Water	12/21/07 15:15	12/14/07 21:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	60		1	mg/L	12/24/07 9:30	BB	E84380
pH	SM4500H-B	8.07	Q	0.01	std units	12/24/07 7:45	AK	E84380
Specific Conductivity	SM2510B	729	J4	0.1	µmhos/cm	12/24/07 8:30	AK	E84380
Sulfate	ASTM-D516-90	156	J4	2	mg/L	12/24/07 11:35	AG	E84380
Total Dissolved Solids	SM2540C	1060	Q	20	mg/L	12/24/07 10:15	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712380-06	1540 grab	Ground Water	12/21/07 15:15	12/15/07 2:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	95		1	mg/L	12/24/07 9:30	BB	E84380
pH	SM4500H-B	8.23	Q	0.01	std units	12/24/07 7:45	AK	E84380
Specific Conductivity	SM2510B	716	J4	0.1	µmhos/cm	12/24/07 8:30	AK	E84380
Sulfate	ASTM-D516-90	466	J4	2	mg/L	12/24/07 11:35	AG	E84380
Total Dissolved Solids	SM2540C	1100	Q	20	mg/L	12/27/07 16:00	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712380-07	1600 grab	Ground Water	12/21/07 15:15	12/15/07 6:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	100		1	mg/L	12/24/07 9:30	BB	E84380
pH	SM4500H-B	8.18	Q	0.01	std units	12/24/07 7:45	AK	E84380
Specific Conductivity	SM2510B	712	J4	0.1	µmhos/cm	12/24/07 8:30	AK	E84380
Sulfate	ASTM-D516-90	450	J4	2	mg/L	12/24/07 11:35	AG	E84380
Total Dissolved Solids	SM2540C	960	Q	20	mg/L	12/27/07 16:00	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time

Client Project: Lehigh Acres WWTP
Lab Project: N0712380
Report Date: 12/28/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712380-08	1660 grab	Ground Water	12/21/07 15:15	12/15/07 9:04

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	115		1	mg/L	12/24/07 9:30	BB	E84380
pH	SM4500H-B	8.24	Q	0.01	std units	12/24/07 7:45	AK	E84380
Specific Conductivity	SM2510B	733	J4	0.1	µmhos/cm	12/24/07 8:30	AK	E84380
Sulfate	ASTM-D516-90	517	J4	2	mg/L	12/24/07 11:35	AG	E84380
Total Dissolved Solids	SM2540C	900	Q	20	mg/L	12/27/07 16:00	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712380-09	1720 grab	Ground Water	12/21/07 15:15	12/15/07 13:50

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	125		1	mg/L	12/24/07 9:30	BB	E84380
pH	SM4500H-B	8.09	Q	0.01	std units	12/24/07 7:45	AK	E84380
Specific Conductivity	SM2510B	931	J4	0.1	µmhos/cm	12/24/07 8:30	AK	E84380
Sulfate	ASTM-D516-90	460	J4	2	mg/L	12/24/07 11:35	AG	E84380
Total Dissolved Solids	SM2540C	700	Q	20	mg/L	12/27/07 16:00	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712380-10	1780 grab	Ground Water	12/21/07 15:15	12/15/07 17:45

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	175		1	mg/L	12/24/07 9:30	BB	E84380
pH	SM4500H-B	8.09	Q	0.01	std units	12/24/07 7:45	AK	E84380
Specific Conductivity	SM2510B	1090	J4	0.1	µmhos/cm	12/24/07 8:30	AK	E84380
Sulfate	ASTM-D516-90	212		2	mg/L	12/24/07 11:35	AG	E84380
Total Dissolved Solids	SM2540C	840	Q	20	mg/L	12/24/07 10:15	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0712380-11	1810 grab	Ground Water	12/21/07 15:15	12/16/07 4:10

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	2150		1	mg/L	12/24/07 9:30	BB	E84380
pH	SM4500H-B	7.36	Q	0.01	std units	12/24/07 7:45	AK	E84380
Specific Conductivity	SM2510B	6550		0.1	µmhos/cm	12/24/07 8:30	AK	E84380
Sulfate	ASTM-D516-90	532		2	mg/L	12/24/07 11:35	AG	E84380
Total Dissolved Solids	SM2540C	3820	Q	20	mg/L	12/24/07 10:15	AS	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0801158
Report Date: 01/21/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801158-01	#1 1830 grab	Ground Water	1/10/08 16:10	1/8/08 9:44

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	1000		1	mg/L	1/14/08 9:30	BB	E84380
pH	SM4500H-B	11.25	Q	0.01	std units	1/10/08 16:30	AS	E84380
Specific Conductivity	SM2510B	3970		0.1	µmhos/cm	1/17/08 10:00	BB	E84380
Sulfate	ASTM-D516-90	316		2	mg/L	1/18/08 15:21	BB	E84380
Total Dissolved Solids	SM2540C	2290		20	mg/L	1/11/08 16:30	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801158-02	#2 1890 grab	Ground Water	1/10/08 16:10	1/8/08 16:22

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	1650		1	mg/L	1/14/08 9:30	BB	E84380
pH	SM4500H-B	10.58	Q	0.01	std units	1/10/08 16:30	AS	E84380
Specific Conductivity	SM2510B	6180		0.1	µmhos/cm	1/17/08 10:00	BB	E84380
Sulfate	ASTM-D516-90	502		2	mg/L	1/18/08 15:21	BB	E84380
Total Dissolved Solids	SM2540C	3430		20	mg/L	1/11/08 16:30	AS	E84380

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0801158-03	#3 (1950) grab	Ground Water	1/10/08 16:10	1/9/08 0:46

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Chloride	SM4500Cl-B	2500		1	mg/L	1/14/08 9:30	BB	E84380
pH	SM4500H-B	9.24	Q	0.01	std units	1/10/08 16:30	AS	E84380
Specific Conductivity	SM2510B	8030		0.1	µmhos/cm	1/17/08 10:00	BB	E84380
Sulfate	ASTM-D516-90	562		2	mg/L	1/18/08 15:21	BB	E84380
Total Dissolved Solids	SM2540C	4440		20	mg/L	1/11/08 16:30	AS	E84380

APPENDIX N

Background Water Quality
Laboratory Reports

LZMW-1B
UZMW-1
DIW-1

LZMW-1B

Client Project: Lehigh Acres WWTP
Lab Project: N0709473
Report Date: 10/15/07

Sanders Laboratories, Inc.

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709473-01	LZMW-1B grab	Ground Water	9/27/07 14:40	9/27/07 12:04

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Aluminum	200.7	0.118		0.009	mg/L	10/2/07 12:31	JPW	E84380
Ammonia	SM4500-NH3-D	0.19	I,	0.05	mg/L as N	10/1/07 14:30	AG	E84380
Antimony	200.7	0.002	U	0.002	mg/L	10/2/07 12:31	JPW	E84380
Arsenic	200.7	0.003	I	0.002	mg/L	10/2/07 12:31	JPW	E84380
Barium	200.7	0.852		0.001	mg/L	10/2/07 12:31	JPW	E84380
Beryllium	200.7	0.0001	I	0.0001	mg/L	10/2/07 12:31	JPW	E84380
mium	200.7	0.001	U	0.001	mg/L	10/2/07 12:31	JPW	E84380
Chemical Oxygen Demand	410.4	1350		8	mg/L	10/5/07 8:30	BY	E84380
Chloride	SM4500Cl-B	14600		1	mg/L	10/1/07 10:00	BB	E84380
Chromium	200.7	0.001	U	0.001	mg/L	10/2/07 12:31	JPW	E84380
Color-True	SM2120B	10		1	PtCo units	9/28/07 10:00	AG	E84380
Copper	200.7	0.001	U	0.001	mg/L	10/2/07 12:31	JPW	E84380
Dissolved Oxygen-field	360.1	2.19		0.01	mg/L	9/27/07 12:04	HC	E84380
Iron	200.7	0.472		0.015	mg/L	10/2/07 12:31	JPW	E84380
Lead	200.7	0.034		0.001	mg/L	10/2/07 12:31	JPW	E84380
Manganese	200.7	0.377		0.001	mg/L	10/2/07 12:31	JPW	E84380
Mercury	245.1	0.001	U	0.001	mg/L	10/3/07 12:57	JPW	E84380
Nickel	200.7	0.001	U	0.001	mg/L	10/2/07 12:31	JPW	E84380
Nitrate+Nitrite-N	353.2	0.01	U	0.01	mg/L as N	9/28/07 12:28	SJ	E84380
Nitrate-N	353.2	0.01	U	0.01	mg/L as N	9/28/07 12:28	SJ	E84380
Nitrite-N	353.2	0.01	U	0.01	mg/L as N	9/28/07 11:41	SJ	E84380
Nitrogen, Organic	351.2/350.3	0.40		0.10	mg/L as N	10/3/07 13:51	SJ	E84380
Nitrogen, Total	351.2	0.59		0.10	mg/L as N	10/3/07 13:51	BB/AG	E84380
thl @ 31 Deg C	SM2150B	1		1	TON	9/27/07 15:00	BB	E84380
Ortho Phosphate	SM4500P-E	0.017	I	0.015	mg/L as P	9/28/07 11:45	AG	E84380
pH - field	150.1	6.96		0.01	std units	9/27/07 12:04	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0709473
Report Date: 10/15/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709473-01	LZMW-1B grab	Ground Water	9/27/07 14:40	9/27/07 12:04

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Phosphorus, Total	365.4	0.088	I	0.025	mg/L as P	10/3/07 15:44	BB/AG	E84380
See attached results	Subcontract					10/2/07 10:50	SUB	
Selenium	200.7	0.002	U	0.002	mg/L	10/2/07 12:31	JPW	E84380
Silver	200.7	0.001	U	0.001	mg/L	10/2/07 12:31	JPW	E84380
Sodium	200.7	8040		0.400	mg/L	10/2/07 12:31	JPW	E84380
Specific Conductance-field	120.1	44700		0.1	µmhos/cm	9/27/07 12:04	HC	E84380
Sulfate	ASTM-D516-90	2130		2	mg/L	10/2/07 11:43	BB	E84380
Total Coliform, MF	SM9222B	1	U	1	CFU/100ml	9/27/07 16:00	RF	E84380
Total Dissolved Solids	SM2540C	28100		20	mg/L	9/28/07 12:20	AS	E84380
urbidity - field	180.1	348		0.1	NTU	9/27/07 12:04	HC	E84380
Water Temperature-field	170.1	33.4		0.1	C	9/27/07 12:04	HC	E84380
Zinc	200.7	0.014		0.001	mg/L	10/2/07 12:31	JPW	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Pace Analytical™

Method 1613 Sample Analysis Results

Client - Sanders Laboratories, Inc.

Client's Sample ID	N0709473-01		
Lab Sample ID	1059920001		
Filename	P71007A_17		
Injected By	BAL		
Total Amount Extracted	970 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/27/2007
ICAL Date	08/29/2007	Received	09/28/2007
CCal Filename(s)	P71007A_15	Extracted	10/02/2007
Method Blank ID	BLANK-14357	Analyzed	10/07/2007 20:56

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	——	10	2,3,7,8-TCDD-13C	2.00	99
				Native Analyte 1,2,3,4-TCDD-13C	2.00	NA
				Native Analytes 2,3,7,8-TCDD-37Cl4	0.20	79

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit.

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1344 fax 813-855-2213

Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

October 30, 2007
Project No: 75638

Laboratory Report

Project Name	**N0709473**	
Sample Description	**N0709473-01**	
Matrix	**Groundwater**	
SAL Sample Number	**75638.01**	
Date/Time Collected	**09/27/07**	**12:04**
Date/Time Received	**09/28/07**	**15:05**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds (Group II Unregulated)							
Chloroethane	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
Volatile Organic Compounds (Primary DW)							
1,1,1-Trichloroethane	ug/l	0.3 U	EPA 502.2	0.3	10/02/07 07:50		JRW
1,1,2-Trichloroethane	ug/l	0.3 U	EPA 502.2	0.3	10/02/07 07:50		JRW
1,1-Dichloroethylene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
1,2,4 Trichlorobenzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
1,2-Dichloroethane	ug/l	0.2 U	EPA 502.2	0.2	10/02/07 07:50		JRW
1,2-Dichloropropane	ug/l	0.3 U	EPA 502.2	0.3	10/02/07 07:50		JRW
Benzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
Carbon tetrachloride	ug/l	0.3 U	EPA 502.2	0.3	10/02/07 07:50		JRW
cis-1,2-Dichloroethylene	ug/l	0.2 U	EPA 502.2	0.2	10/02/07 07:50		JRW
Dichloromethane	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
Ethylbenzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
Monochlorobenzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
o-Dichlorobenzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
para-Dichlorobenzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
Styrene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
Tetrachloroethylene	ug/l	6.3	EPA 502.2	0.2	10/02/07 07:50		JRW
Toluene	ug/l	1.2 I	EPA 502.2	0.5	10/02/07 07:50		JRW
trans-1,2-Dichloroethylene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
Trichloroethylene	ug/l	0.2 U	EPA 502.2	0.2	10/02/07 07:50		JRW
Vinyl chloride	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
Xylenes (Total)	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
m/p-xylenes	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
o-xylene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
Trihalomethane Analyses							
Bromodichloromethane	ug/l	0.3 U	EPA 502.2	0.3	10/02/07 07:50		JRW
Bromoform	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
Chloroform	ug/l	0.2 U	EPA 502.2	0.2	10/02/07 07:50		JRW
Dibromochloromethane	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 07:50		JRW
Total Trihalomethanes	ug/l	0.2 U	EPA 502.2	0.2	10/02/07 07:50		JRW
Chlorinated Pesticides (Primary DW)							
Date Extracted		10/03/07	EPA 508.1			10/03/07 09:30	SMR
Chlordane	ug/l	0.05 U	EPA 508.1	0.05	10/05/07 08:10	10/03/07 09:30	DB
Toxaphene	ug/l	0.5 U	EPA 508.1	0.5	10/05/07 08:10	10/03/07 09:30	DB
Polychlorinated biphenyls (PCBs)	ug/l	0.2 U	EPA 508.1	0.2	10/05/07 08:10	10/03/07 09:30	DB

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

October 30, 2007
Project No: 75638

Laboratory Report

Project Name	**N0709473**	
Sample Description	**N0709473-01**	
Matrix	**Groundwater**	
SAL Sample Number	**75638.01**	
Date/Time Collected	**09/27/07**	**12:04**
Date/Time Received	**09/28/07**	**15:05**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Chlorinated Herbicides (Primary DW)							
Date Extracted		10/02/07	EPA 515.3			10/02/07 09:00	JLR
Dalapon	ug/l	1 U	EPA 515.3	1	10/09/07 04:54	10/02/07 09:00	BTJ
2,4-D	ug/l	1 U	EPA 515.3	1	10/09/07 04:54	10/02/07 09:00	BTJ
Pentachlorophenol	ug/l	0.1 U	EPA 515.3	0.1	10/09/07 04:54	10/02/07 09:00	BTJ
2,4,5-TP (Silvex)	ug/l	0.25 U	EPA 515.3	0.25	10/09/07 04:54	10/02/07 09:00	BTJ
Dinoseb	ug/l	0.5 U	EPA 515.3	0.5	10/09/07 04:54	10/02/07 09:00	BTJ
Picloram	ug/l	0.75 U	EPA 515.3	0.75	10/09/07 04:54	10/02/07 09:00	BTJ
Semivolatile Analyses (Group I Unreg.)							
Date Extracted		10/03/07	EPA 525.2			10/08/07 09:00	SMR
Aldrin	ug/l	0.08 U	EPA 525.2	0.08	10/09/07 02:40	10/08/07 09:00	BTJ
Dieldrin	ug/l	0.06 U	EPA 525.2	0.06	10/09/07 02:40	10/08/07 09:00	BTJ
Semivolatile Analyses (Primary DW)							
Date Extracted		10/08/07	EPA 525.2			10/08/07 09:00	SMR
Alachlor	ug/l	0.2 U	EPA 525.2	0.2	10/09/07 02:40	10/08/07 09:00	BTJ
Atrazine	ug/l	0.06 U	EPA 525.2	0.06	10/09/07 02:40	10/08/07 09:00	BTJ
Benzo(a)pyrene	ug/l	0.1 U	EPA 525.2	0.1	10/09/07 02:40	10/08/07 09:00	BTJ
Di(2-ethylhexyl)adipate	ug/l	0.3 U	EPA 525.2	0.3	10/09/07 02:40	10/08/07 09:00	BTJ
Di(2-ethylhexyl)phthalate	ug/l	1.0 U	EPA 525.2	1.0	10/09/07 02:40	10/08/07 09:00	BTJ
Endrin	ug/l	0.1 U	EPA 525.2	0.1	10/09/07 02:40	10/08/07 09:00	BTJ
Heptachlor	ug/l	0.08 U	EPA 525.2	0.08	10/09/07 02:40	10/08/07 09:00	BTJ
Heptachlor Epoxide	ug/l	0.1 U	EPA 525.2	0.1	10/09/07 02:40	10/08/07 09:00	BTJ
Hexachlorobenzene	ug/l	0.05 U	EPA 525.2	0.05	10/09/07 02:40	10/08/07 09:00	BTJ
Hexachlorocyclopentadiene	ug/l	0.2 U	EPA 525.2	0.2	10/09/07 02:40	10/08/07 09:00	BTJ
Lindane	ug/l	0.06 U	EPA 525.2	0.06	10/09/07 02:40	10/08/07 09:00	BTJ
Methoxychlor	ug/l	0.05 U	EPA 525.2	0.05	10/09/07 02:40	10/08/07 09:00	BTJ
Simazine	ug/l	0.07 U	EPA 525.2	0.07	10/09/07 02:40	10/08/07 09:00	BTJ
Pesticide Analyses (Primary DW)							
Date Extracted		10/04/07	EPA 549.2			10/04/07 09:00	SMR
Diquat	ug/l	1 U	EPA 549.2	1	10/15/07 20:20	10/04/07 09:00	JKS
Total Haloacetic Acids Analyses							
Date Extracted		10/03/07	EPA 552.2			10/03/07 09:00	JLR
Monochloroacetic Acid	ug/l	1 U	EPA 552.2	1	10/05/07 17:57	10/03/07 09:00	BTJ
Monobromoacetic Acid	ug/l	1 U	EPA 552.2	1	10/05/07 17:57	10/03/07 09:00	BTJ
Dichloroacetic Acid	ug/l	1 U	EPA 552.2	1	10/05/07 17:57	10/03/07 09:00	BTJ
Trichloroacetic Acid	ug/l	1 U	EPA 552.2	1	10/05/07 17:57	10/03/07 09:00	BTJ
Dibromoacetic Acid	ug/l	1 U	EPA 552.2	1	10/05/07 17:57	10/03/07 09:00	BTJ
Total Haloacetic Acids	ug/l	1 U	EPA 552.2	1	10/05/07 17:57	10/03/07 09:00	BTJ

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

October 30, 2007
Project No: 75638

Laboratory Report

Project Name	**N0709473**
Sample Description	**N0709473-01**
Matrix	**Groundwater**
SAL Sample Number	**75638.01**
Date/Time Collected	**09/27/07 12:04**
Date/Time Received	**09/28/07 15:05**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
2,4,6-Trichlorophenol	ug/l	2 U	EPA 625	2	10/04/07 19:27	10/03/07 09:00	BTJ
2-Chlorophenol	ug/l	1 U	EPA 625	1	10/04/07 19:27	10/03/07 09:00	BTJ
Anthracene	ug/l	1 U	EPA 625	1	10/04/07 19:27	10/03/07 09:00	BTJ
Butylbenzylphthalate	ug/l	3 U	EPA 625	3	10/04/07 19:27	10/03/07 09:00	BTJ
Diethylphthalate	ug/l	1 U	EPA 625	1	10/04/07 19:27	10/03/07 09:00	BTJ
Dimethylphthalate	ug/l	5 U	EPA 625	5	10/04/07 19:27	10/03/07 09:00	BTJ
Naphthalene	ug/l	1 U	EPA 625	1	10/04/07 19:27	10/03/07 09:00	BTJ
Phenathrene	ug/l	1 U	EPA 625	1	10/04/07 19:27	10/03/07 09:00	BTJ
Phenol	ug/l	1 U	EPA 625	1	10/04/07 19:27	10/03/07 09:00	BTJ
Pesticide Analyses (Primary DW)							
Date Extracted		10/01/07	EPA 504.1			10/01/07 11:30	KAA
Dibromochloropropane	ug/l	0.005 U	EPA 504.1	0.005	10/02/07 08:26	10/01/07 11:30	DB
Ethylene Dibromide (EDB)	ug/l	0.005 U	EPA 504.1	0.005	10/02/07 08:26	10/01/07 11:30	DB
Carbamate Pesticides (Primary DW)							
Carbofuran	ug/l	0.5 U	EPA 531.1	0.5	10/06/07 06:25		JKS
Oxamyl (Vydate)	ug/l	0.5 U	EPA 531.1	0.5	10/06/07 06:25		JKS
Pesticide Analyses (Primary DW)							
Glyphosate	ug/l	10 U	EPA 547	10	10/04/07 02:23		JKS
Pesticide Analyses (Primary DW)							
Date Extracted		10/02/07	EPA 548.1			10/02/07 10:00	CDD
Endothall	ug/l	20 U	EPA 548.1	20	10/05/07 03:19	10/02/07 10:00	DB
Inorganics							
Chlorite	ug/l	2,200	EPA 300.1B	50	10/08/07 11:57		MLH
Cyanide	mg/l	0.005 U	SM 4500 CN	0.005	10/02/07 16:00	10/02/07 11:30	MCD
Metals							
Thallium	mg/l	0.001 U	EPA 200.9	0.001	10/26/07 13:15		AMP
Radiochemistry							
Gross Alpha (Incl. Uranium)	pCi/l	4.7±2.0	EPA 00-02	2.9	10/25/07 09:11	10/24/07 11:30	MJS
Radium-226	pCi/l	0.6±0.2	EPA 903.1	0.04	10/22/07 17:45	10/15/07 14:30	DF
Radium-228	pCi/l	0.6±0.3 U1	EPA RA-05	0.6	10/29/07 14:52	10/25/07 17:00	DF

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

October 30, 2007
Project No: 75638

Laboratory Report

Project Name	**N0709473**	
Sample Description	**N0709473-01**	
Matrix	**Groundwater**	
SAL Sample Number	**75638.02**	
Date/Time Collected	**09/27/07**	**12:04**
Date/Time Received	**09/28/07**	**09:50**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Inorganics							
Bromate	ug/l	5 U	EPA 300.1B	5	10/08/07 12:31		MLH
Fluoride	mg/l	0.90	EPA 300.0	0.01	10/04/07 06:35		MLH
Foaming Agents	mg/l	0.18 I	SM 5540 C	0.05	09/28/07 17:44		VWC

UZMW-1

Client Project: Lehigh Acres WWTP
Lab Project: N0709472
Report Date: 10/15/07

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709472-01	UZMW-1 grab	Ground Water	9/27/07 14:40	9/27/07 12:40

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Aluminum	200.7	1.27		0.009	mg/L	10/2/07 12:31	JPW	E84380
Ammonia	SM4500-NH3-D	0.30		0.05	mg/L as N	10/1/07 14:30	AG	E84380
Antimony	200.7	0.002	U	0.002	mg/L	10/2/07 12:31	JPW	E84380
Arsenic	200.7	0.003	I	0.002	mg/L	10/2/07 12:31	JPW	E84380
Barium	200.7	2.65		0.001	mg/L	10/2/07 12:31	JPW	E84380
Beryllium	200.7	0.0005		0.0005	mg/L	10/2/07 12:31	JPW	E84380
Cadmium	200.7	0.001	U	0.001	mg/L	10/2/07 12:31	JPW	E84380
Chemical Oxygen Demand	410.4	214		8	mg/L	10/5/07 8:30	BY	E84380
Chloride	SM4500Cl-B	900		1	mg/L	10/1/07 10:00	BB	E84380
Chromium	200.7	0.004		0.001	mg/L	10/2/07 12:31	JPW	E84380
Color-True	SM2120B	10		1	PtCo units	9/28/07 10:00	AG	E84380
Copper	200.7	0.001	U	0.001	mg/L	10/2/07 12:31	JPW	E84380
Dissolved Oxygen-field	360.1	2.09		0.01	mg/L	9/27/07 12:40	HC	E84380
Iron	200.7	1.75		0.015	mg/L	10/2/07 12:31	JPW	E84380
Lead	200.7	0.021		0.001	mg/L	10/2/07 12:31	JPW	E84380
Manganese	200.7	0.060		0.001	mg/L	10/2/07 12:31	JPW	E84380
Mercury	245.1	0.001	U	0.001	mg/L	10/3/07 12:57	JPW	E84380
Nickel	200.7	0.002	I	0.001	mg/L	10/2/07 12:31	JPW	E84380
Nitrate+Nitrite-N	353.2	0.01	U	0.01	mg/L as N	9/28/07 12:28	SJ	E84380
Nitrate-N	353.2	0.01	U	0.01	mg/L as N	9/28/07 12:28	SJ	E84380
Nitrite-N	353.2	0.01	U	0.01	mg/L as N	9/28/07 11:41	SJ	E84380
Nitrogen, Organic	351.2/350.3	0.10		0.10	mg/L as N	10/3/07 13:51	SJ	E84380
Nitrogen, Total Kjeldahl	351.2	0.40		0.10	mg/L as N	10/3/07 13:51	BB/AG	E84380
Odor @ 33 Deg C	SM2150B	1	U	1	TON	9/27/07 15:00	BB	E84380
ro Phosphate	SM4500P-E	0.029	I	0.015	mg/L as P	9/28/07 11:45	AG	E84380
pH - field	150.1	7.18		0.01	std units	9/27/07 12:40	HC	E84380

Client Project: Lehigh Acres WWTP
Lab Project: N0709472
Report Date: 10/15/07

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
N0709472-01	UZMW-1 grab	Ground Water	9/27/07 14:40	9/27/07 12:40

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Phosphorus, Total	365.4	0.172		0.025	mg/L as P	10/3/07 15:44	BB/AG	E84380
See attached results	Subcontract					10/2/07 10:50	SUB	
Selenium	200.7	0.002	U	0.002	mg/L	10/2/07 12:31	JPW	E84380
Silver	200.7	0.006		0.001	mg/L	10/2/07 12:31	JPW	E84380
Sodium	200.7	613		0.400	mg/L	10/2/07 12:31	JPW	E84380
Specific Conductance-field	120.1	3350		0.1	µmhos/cm	9/27/07 12:40	HC	E84380
Sulfate	ASTM-D516-90	524		2	mg/L	10/2/07 11:43	BB	E84380
Total Coliform, MF	SM9222B	1	U	1	CFU/100ml	9/27/07 16:00	RF	E84380
Total Dissolved Solids	SM2540C	2380		20	mg/L	9/28/07 12:20	AS	E84380
Turbidity - field	180.1	631		0.1	NTU	9/27/07 12:40	HC	E84380
Water Temperature-field	170.1	32.8		0.1	C	9/27/07 12:40	HC	E84380
Zinc	200.7	0.030		0.001	mg/L	10/2/07 12:31	JPW	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613 Sample Analysis Results

Client - Sanders Laboratories, Inc.

Client's Sample ID	N0709472-01		
Lab Sample ID	1059919001		
Filename	U71006A_07		
Injected By	BAL		
Total Amount Extracted	918 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/27/2007
ICAL Date	09/27/2007	Received	09/28/2007
CCal Filename(s)	U71005B_16	Extracted	10/02/2007
Method Blank ID	BLANK-14357	Analyzed	10/06/2007 13:32

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	—	11	2,3,7,8-TCDD-13C	2.00	87
				Native Analyte 1,2,3,4-TCDD-13C	2.00	NA
				Native Analytes 2,3,7,8-TCDD-37Cl4	0.20	73

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

October 30, 2007
Project No: 75637

Laboratory Report

Project Name	N0709472	
Sample Description	N0709472-01	
Matrix	Groundwater	
SAL Sample Number	75637.01	
Date/Time Collected	09/27/07	12:40
Date/Time Received	09/28/07	15:05

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds (Group II Unregulated)							
Chloroethane	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
Volatile Organic Compounds (Primary DW)							
1,1,1-Trichloroethane	ug/l	0.3 U	EPA 502.2	0.3	10/02/07 06:59		JRW
1,1,2-Trichloroethane	ug/l	0.3 U	EPA 502.2	0.3	10/02/07 06:59		JRW
1,1-Dichloroethylene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
1,2,4 Trichlorobenzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
1,2-Dichloroethane	ug/l	0.2 U	EPA 502.2	0.2	10/02/07 06:59		JRW
1,2-Dichloropropane	ug/l	0.3 U	EPA 502.2	0.3	10/02/07 06:59		JRW
Benzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
Carbon tetrachloride	ug/l	0.3 U	EPA 502.2	0.3	10/02/07 06:59		JRW
cis-1,2-Dichloroethylene	ug/l	0.2 U	EPA 502.2	0.2	10/02/07 06:59		JRW
Dichloromethane	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
Ethylbenzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
Monochlorobenzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
o-Dichlorobenzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
para-Dichlorobenzene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
Styrene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
Tetrachloroethylene	ug/l	0.2 U	EPA 502.2	0.2	10/02/07 06:59		JRW
Toluene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
trans-1,2-Dichloroethylene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
Trichloroethylene	ug/l	0.2 U	EPA 502.2	0.2	10/02/07 06:59		JRW
Vinyl chloride	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
Xylenes (Total)	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
m/p-xylenes	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
o-xylene	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
Trihalomethane Analyses							
Bromodichloromethane	ug/l	0.3 U	EPA 502.2	0.3	10/02/07 06:59		JRW
Bromoform	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
Chloroform	ug/l	0.2 U	EPA 502.2	0.2	10/02/07 06:59		JRW
Dibromochloromethane	ug/l	0.5 U	EPA 502.2	0.5	10/02/07 06:59		JRW
Total Trihalomethanes	ug/l	0.2 U	EPA 502.2	0.2	10/02/07 06:59		JRW
Chlorinated Pesticides							
Date Extracted		10/08/07	EPA 508.1			10/08/07 09:00	SMR
Aldrin	ug/l	0.01 U	EPA 508.1	0.01	10/11/07 03:22	10/08/07 09:00	DB
Dieldrin	ug/l	0.01 U	EPA 508.1	0.01	10/11/07 03:22	10/08/07 09:00	DB
Chlorinated Pesticides (Primary DW)							
Date Extracted		10/03/07	EPA 508.1			10/03/07 09:30	SMR

FDOH Laboratory No. E84129
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Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

October 30, 2007
Project No: 75637

Laboratory Report

Project Name	N0709472	
Sample Description	N0709472-01	
Matrix	Groundwater	
SAL Sample Number	75637.01	
Date/Time Collected	09/27/07	12:40
Date/Time Received	09/28/07	15:05

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Chlorinated Pesticides (Primary DW)							
Chlordane	ug/l	0.05 U	EPA 508.1	0.05	10/05/07 07:52	10/03/07 09:30	DB
Toxaphene	ug/l	0.5 U	EPA 508.1	0.5	10/05/07 07:52	10/03/07 09:30	DB
Polychlorinated biphenyls (PCBs)	ug/l	0.2 U	EPA 508.1	0.2	10/05/07 07:52	10/03/07 09:30	DB
Chlorinated Herbicides (Primary DW)							
Date Extracted		10/02/07	EPA 515.3			10/02/07 09:00	JLR
Dalapon	ug/l	1 U	EPA 515.3	1	10/09/07 03:31	10/02/07 09:00	BTJ
2,4-D	ug/l	1 U	EPA 515.3	1	10/09/07 03:31	10/02/07 09:00	BTJ
Pentachlorophenol	ug/l	0.1 U	EPA 515.3	0.1	10/09/07 03:31	10/02/07 09:00	BTJ
2,4,5-TP (Silvex)	ug/l	0.25 U	EPA 515.3	0.25	10/09/07 03:31	10/02/07 09:00	BTJ
Dinoseb	ug/l	0.5 U	EPA 515.3	0.5	10/09/07 03:31	10/02/07 09:00	BTJ
Picloram	ug/l	0.75 U	EPA 515.3	0.75	10/09/07 03:31	10/02/07 09:00	BTJ
Semivolatile Analyses (Primary DW)							
Date Extracted		10/08/07	EPA 525.2			10/08/07 09:00	SMR
Alachlor	ug/l	0.2 U	EPA 525.2	0.2	10/09/07 03:46	10/08/07 09:00	BTJ
Atrazine	ug/l	0.06 U	EPA 525.2	0.06	10/09/07 03:46	10/08/07 09:00	BTJ
Benzo(a)pyrene	ug/l	0.1 U	EPA 525.2	0.1	10/09/07 03:46	10/08/07 09:00	BTJ
Di(2-ethylhexyl)adipate	ug/l	0.50 I,J10	EPA 525.2	0.3	10/09/07 03:46	10/08/07 09:00	BTJ
Di(2-ethylhexyl)phthalate	ug/l	1.0 U	EPA 525.2	1.0	10/09/07 03:46	10/08/07 09:00	BTJ
Endrin	ug/l	0.1 U	EPA 525.2	0.1	10/09/07 03:46	10/08/07 09:00	BTJ
Heptachlor	ug/l	0.08 U	EPA 525.2	0.08	10/09/07 03:46	10/08/07 09:00	BTJ
Heptachlor Epoxide	ug/l	0.1 U	EPA 525.2	0.1	10/09/07 03:46	10/08/07 09:00	BTJ
Hexachlorobenzene	ug/l	0.05 U	EPA 525.2	0.05	10/09/07 03:46	10/08/07 09:00	BTJ
Hexachlorocyclopentadiene	ug/l	0.2 U	EPA 525.2	0.2	10/09/07 03:46	10/08/07 09:00	BTJ
Lindane	ug/l	0.06 U	EPA 525.2	0.06	10/09/07 03:46	10/08/07 09:00	BTJ
Methoxychlor	ug/l	0.05 U	EPA 525.2	0.05	10/09/07 03:46	10/08/07 09:00	BTJ
Simazine	ug/l	0.07 U	EPA 525.2	0.07	10/09/07 03:46	10/08/07 09:00	BTJ
Pesticide Analyses (Primary DW)							
Date Extracted		10/04/07	EPA 549.2			10/04/07 09:00	SMR
Diquat	ug/l	1 U	EPA 549.2	1	10/15/07 20:09	10/04/07 09:00	JKS
Total Haloacetic Acids Analyses							
Date Extracted		10/03/07	EPA 552.2			10/03/07 09:00	JLR
Monochloroacetic Acid	ug/l	1 U	EPA 552.2	1	10/05/07 17:37	10/03/07 09:00	BTJ
Monobromoacetic Acid	ug/l	1 U	EPA 552.2	1	10/05/07 17:37	10/03/07 09:00	BTJ
Dichloroacetic Acid	ug/l	1 U	EPA 552.2	1	10/05/07 17:37	10/03/07 09:00	BTJ
Trichloroacetic Acid	ug/l	1 U	EPA 552.2	1	10/05/07 17:37	10/03/07 09:00	BTJ
Dibromoacetic Acid	ug/l	1 U	EPA 552.2	1	10/05/07 17:37	10/03/07 09:00	BTJ
Total Haloacetic Acids	ug/l	1 U	EPA 552.2	1	10/05/07 17:37	10/03/07 09:00	BTJ

FDOH Laboratory No. E84129
NELAP Accredited

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Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

October 30, 2007
Project No: 75637

Laboratory Report

Project Name	N0709472	
Sample Description	N0709472-01	
Matrix	Groundwater	
SAL Sample Number	75637.01	
Date/Time Collected	09/27/07	12:40
Date/Time Received	09/28/07	15:05

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses (Group II Unreg.)							
Date Extracted		10/03/07	EPA 625			10/03/07 09:00	EMF
2,4,6-Trichlorophenol	ug/l	2 U	EPA 625	2	10/04/07 18:52	10/03/07 09:00	BTJ
2,4-Dinitrotoluene	ug/l	1 U	EPA 625	1	10/04/07 18:52	10/03/07 09:00	BTJ
2-Chlorophenol	ug/l	1 U	EPA 625	1	10/04/07 18:52	10/03/07 09:00	BTJ
4,6-Dinitro-o-cresol	ug/l	3 U	EPA 625	3	10/04/07 18:52	10/03/07 09:00	BTJ
Butylbenzylphthalate	ug/l	3 U	EPA 625	3	10/04/07 18:52	10/03/07 09:00	BTJ
Diethylphthalate	ug/l	1 U	EPA 625	1	10/04/07 18:52	10/03/07 09:00	BTJ
Dimethylphthalate	ug/l	5 U	EPA 625	5	10/04/07 18:52	10/03/07 09:00	BTJ
Di-n-butylphthalate	ug/l	5 U	EPA 625	5	10/04/07 18:52	10/03/07 09:00	BTJ
Di-n-octylphthalate	ug/l	1 U	EPA 625	1	10/04/07 18:52	10/03/07 09:00	BTJ
Isophorone	ug/l	2 U	EPA 625	2	10/04/07 18:52	10/03/07 09:00	BTJ
Phenol	ug/l	1 U	EPA 625	1	10/04/07 18:52	10/03/07 09:00	BTJ
Semivolatile Analyses							
Anthracene	ug/l	1 U	EPA 625	1	10/04/07 18:52	10/03/07 09:00	BTJ
Naphthalene	ug/l	1 U	EPA 625	1	10/04/07 18:52	10/03/07 09:00	BTJ
Phenathrene	ug/l	1 U	EPA 625	1	10/04/07 18:52	10/03/07 09:00	BTJ
Pesticide Analyses (Primary DW)							
Date Extracted		10/01/07	EPA 504.1			10/01/07 11:30	KAA
Dibromochloropropane	ug/l	0.005 U	EPA 504.1	0.005	10/02/07 07:55	10/01/07 11:30	DB
Ethylene Dibromide (EDB)	ug/l	0.005 U	EPA 504.1	0.005	10/02/07 07:55	10/01/07 11:30	DB
Carbamate Pesticides (Primary DW)							
Carbofuran	ug/l	0.5 U	EPA 531.1	0.5	10/06/07 05:49		JKS
Oxamyl (Vydate)	ug/l	0.5 U	EPA 531.1	0.5	10/06/07 05:49		JKS
Pesticide Analyses (Primary DW)							
Glyphosate	ug/l	10 U	EPA 547	10	10/04/07 02:10		JKS
Pesticide Analyses (Primary DW)							
Date Extracted		10/02/07	EPA 548.1			10/02/07 10:00	CDD
Endothall	ug/l	20 U	EPA 548.1	20	10/05/07 03:03	10/02/07 10:00	DB

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

October 30, 2007
Project No: 75637

Laboratory Report

Project Name	**N0709472**
Sample Description	**N0709472-01**
Matrix	**Groundwater**
SAL Sample Number	**75637.01**
Date/Time Collected	**09/27/07 12:40**
Date/Time Received	**09/28/07 15:05**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Inorganics							
Chlorite	ug/l	50 U	EPA 300.1B	50	10/05/07 20:41		MLH
Cyanide	mg/l	0.005 U	SM 4500 CN	0.005	10/02/07 16:00	10/02/07 11:30	MCD
Metals							
Thallium	mg/l	0.001 U	EPA 200.9	0.001	10/26/07 13:15		AMP
Radiochemistry							
Gross Alpha (Incl. Uranium)	pCi/l	7.3±2.2	EPA 00-02	2.9	10/25/07 09:11	10/24/07 11:30	MJS
Radium-226	pCi/l	1.4±0.2	EPA 903.1	0.05	10/22/07 17:45	10/15/07 14:30	DF
Radium-228	pCi/l	0.5±0.2 U1	EPA RA-05	0.5	10/29/07 14:52	10/25/07 17:00	DF

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

October 30, 2007
Project No: 75637

Laboratory Report

Project Name	N0709472	
Sample Description	N0709472-01	
Matrix	Groundwater	
SAL Sample Number	75637.02	
Date/Time Collected	09/27/07	12:40
Date/Time Received	09/28/07	08:50

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Inorganics							
Bromate	ug/l	5 U	EPA 300.1B	5	10/05/07 20:58		MLH
Fluoride	mg/l	2.8	EPA 300.0	0.01	10/04/07 06:18		MLH
Foaming Agents	mg/l	0.60	SM 5540 C	0.05	09/28/07 17:44		VWC

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

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Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

October 30, 2007
Project No: 75637

Laboratory Report

Footnotes

*	Test results presented in this report meet all the requirements of the NELAC standards.
**	A statement of estimated uncertainty of test results is available upon request.
I,J10	Reported value is between the laboratory MDL and the laboratory PQL. Estimated value. Value may not be accurate. Surrogate recovery did not meet acceptance criteria.
SM	Surrogate recovery out of range due to matrix interference. Interference confirmed by analysis of a second aliquot of sample for EPA 508.1 and EPA 525.2.
U	Analyte was undetected. Indicated concentration is method detection limit.
U1	Analyte was not detected; indicated concentration is method detection limit. Radiochemistry MDL is sample specific and matrix dependent.

FDOH Laboratory No. E84129
NELAP Accredited

Approved By: Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

DIW-1

Client Project: Lehigh
Lab Project: F0803241
Report Date: 04/17/08

Sanders Laboratories, Inc.
Environmental Testing Services

Laboratory Results

Youngquist Brothers, Inc.
15465 Pine Ridge Road
Ft. Myers, FL 33908

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
F0803241-01	INJECTION WELL GRAB	Ground Water	3/25/08 9:10	3/25/08 8:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Aluminum	EPA200.7	0.009	U	0.009	mg/L	3/27/08 11:54	JPW	E84380
Ammonia	SM4500-NH3-D	0.05	I	0.05	mg/L as N	4/3/08 15:30	AV	E84380
Antimony	EPA200.7	0.006	I	0.002	mg/L	3/27/08 11:54	JPW	E84380
Arsenic	EPA200.7	0.002	U	0.002	mg/L	3/27/08 11:54	JPW	E84380
Barium	EPA200.7	0.039		0.001	mg/L	3/27/08 11:54	JPW	E84380
Beryllium	EPA200.7	0.0001	I	0.0001	mg/L	3/27/08 11:54	JPW	E84380
Biological Oxygen Demand	SM5210B	2	U	2	mg/L	3/25/08 15:20	RH	E85457
Cadmium	EPA200.7	0.001	U	0.001	mg/L	3/27/08 11:54	JPW	E84380
Chemical Oxygen Demand	EPA410.4	2000		8	mg/L	4/7/08 10:20	BB	E84380
Chloride	SM4500Cl-B	19000		1	mg/L	4/8/08 9:45	BB	E84380
Chromium	EPA200.7	0.002	I	0.001	mg/L	3/27/08 11:54	JPW	E84380
Color-True	SM2120B	15		1	C.U.	3/25/08 16:00	KM/SS	E85457
Copper	EPA200.7	0.003	I	0.001	mg/L	3/27/08 11:54	JPW	E84380
Iron	EPA200.7	3.05		0.015	mg/L	3/27/08 11:54	JPW	E84380
Lead	EPA200.7	0.008		0.001	mg/L	3/27/08 11:54	JPW	E84380
Manganese	EPA200.7	0.059		0.001	mg/L	3/27/08 11:54	JPW	E84380
Mercury	EPA245.1	0.001	U	0.001	mg/L	4/16/08 10:02	JPW	E84380
Nickel	EPA200.7	0.010		0.001	mg/L	3/27/08 11:54	JPW	E84380
Nitrate+Nitrite-N	EPA353.2	0.02	I	0.01	mg/L as N	3/25/08 14:39	SJ	E84380
Nitrate-N	EPA353.2	0.01	U	0.01	mg/L as N	3/25/08 14:39	SJ	E84380
Nitrite-N	EPA353.2	0.02	I	0.01	mg/L	3/25/08 13:57	SJ	E84380
Nitrogen, Organic	351.2/4500-NH3D	0.84		0.10	mg/L as N	4/3/08 15:30	AV	E84380
Nitrogen, Total Kjeldahl	EPA351.2	0.89		0.10	mg/L as N	3/28/08 11:09	AV	E84380
Odor @ 37 deg C	SM2150B	1	U	1	TON	3/25/08 12:30	SS	E85457
Phosphate	SM4500P-E	0.017	I	0.010	mg/L as P	3/25/08 14:00	AV	E84380
pH	SM4500H-B	7.55	Q	0.01	std units	3/25/08 12:18	SS	E85457

Client Project: Lehigh
Lab Project: F0803241
Report Date: 04/17/08

Laboratory Results

Lab ID	Sample Description	Sample Source	Received Date/Time	Sample Date/Time
F0803241-01	INJECTION WELL GRAB	Ground Water	3/25/08 9:10	3/25/08 8:00

Analysis	Method	Results	Qual	Detection Limit	Units	AnalysisDate/Time	Analyst	Cert ID
Phosphorus, Total	EPA365.4	0.061	I	0.025	mg/L as P	3/28/08 16:22	AV	E84380
See attached results	Subcontract					3/26/08 15:43	SUB	
Selenium	EPA200.7	0.002	U	0.002	mg/L	3/27/08 11:54	JPW	E84380
Silver	EPA200.7	0.001	I, J3	0.001	mg/L	3/27/08 11:54	JPW	E84380
Sodium	EPA200.7	12000	J3	0.400	mg/L	3/27/08 11:54	JPW	E84380
Specific Conductivity	SM2510B	46700		0.1	µmhos/cm	3/27/08 9:30	AV	E84380
Sulfate	ASTM-D516-90	3100		2	mg/L	3/31/08 15:29	AV	E84380
Total Coliform, MF	SM9222B	1	U	1	CFU/100ml	3/25/08 12:25	KS	E85457
Total Dissolved Solids	SM2540C	31700		20	mg/L	3/27/08 10:15	AV	E84380
Zinc	EPA200.7	0.045	V	0.001	mg/L	3/27/08 11:54	JPW	E84380

Approved by:

Comments:

Kathrine Bartkiewicz/Lab Manager Fort Myers
Andrew Konopacki/Lab Manager Nokomis

Test Results meet all the requirements of the NELAC standards.

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

April 15, 2008
Project No: 80943

Laboratory Report

Project Name	**F0803241**
Sample Description	**F0803241-01H**
Matrix	**Groundwater**
SAL Sample Number	**80943.01**
Date/Time Collected	**03/25/08 08:00**
Date/Time Received	**03/26/08 10:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Radiochemistry							
Gross Alpha (Incl. Uranium)	pCi/l	100±5.0	EPA 00-02	2.8	03/28/08 17:42	03/27/08 16:30	MJS
Radium-226	pCi/l	7.1±0.4	EPA 903.1	0.06	04/10/08 15:50	03/28/08 14:00	AWW
Radium-228	pCi/l	0.5±0.2 U1	EPA RA-05	0.5	04/14/08 08:52	04/10/08 16:35	AWW
Combined Uranium	pCi/l	0.20	ASTM D5174	0.04	04/14/08 12:57	04/08/08 08:00	AWW

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Sanders Laboratories
1050 Endeavor Court
Nokomis, FL 34275-3623

April 15, 2008
Project No: 80943

Laboratory Report

Footnotes

*	Test results presented in this report meet all the requirements of the NELAC standards.
**	A statement of estimated uncertainty of test results is available upon request.
***	For methods marked with ***, all QC criteria have been met for this method which is equivalent to a SAL certified method.
U1	Analyte was not detected; indicated concentration is method detection limit. Radiochemistry MDL is sample specific and matrix dependent.

HBEL, Inc.

5600 U.S. 1 North, Fort Pierce, FL 34946
Phone: (772) 465-2400 Ext. 285 Fax: (772) 467-1584

Date Issued: REVISED April 17, 2008

To: Tami Bright
Sanders Laboratories, Inc.
1050 Endeavor Court
Nokomis, FL 34275

Client: Sanders Laboratories, Inc.
Workorder ID: F0803241 **[2030464]**
Received: 3/26/08 10:40

Dear Tami Bright;

Analytical results presented in this report have been reviewed for compliance with the HBEL Inc. Quality Systems Manual and have been determined to meet applicable Method guidelines and Standards referenced in the July 2003 National Environmental Laboratory Accreditation Program (NELAP) Quality Manual unless otherwise noted. The Analytical Results within these report pages reflect the values obtained from tests performed on Samples As Received by the laboratory unless indicated differently.

FDOH Safe Drinking Water Act, Clean Water Act and RCRA Certification #'s:

E96080, E83509, E84418

Questions regarding this report should be directed to the Report Signatory at (772) 465-2400, Ext. 285 referencing the HBEL Workorder ID [Number].

Respectfully submitted,

Eric Charest
HBEL, Inc. Laboratory Manager

HBEL, Inc.

5600 U.S. 1 North, Fort Pierce, FL 34946
Phone: (772) 465-2400 Ext. 285 Fax: (772) 467-1584

Quality Control Summary

Client: Sanders Laboratories, Inc.
Workorder ID: F0803241 **[2030464]**
Received: 3/26/08 10:40

MB=Method Blank LCS=Laboratory Control Sample LCSD=Laboratory Control Sample Duplicate MS=Matrix Spike MSD=Matrix Spike Duplicate DUP=Sample Duplicate

Method Narratives (If Applicable)

HBEL Sample Number	Sample ID	Analytical Method	Description
2030464001	F0803241 01A Grab		
		EPA 525.2	No MS/MSD analyzed in batch. Precision and Accuracy determined with LCS/LCSD

Quality Control Summary

Method	HBEL Batch	Analyte	Analytical Issue
EPA 505			
	PEST5091		
	2030464001	Decachlorobiphenyl	Surrogate - Outside acceptance Limits.
	2030464001	Tetrachlorometaxylene	Surrogate - Outside acceptance Limits.
Total Cyanide			
	WCGE29181		
	2030464001	Cyanide	Accuracy - Outside acceptance limits in the MS.
	2030464001	Cyanide	Accuracy - Outside acceptance limits in the MSD.

The above due to matrix effects. Accuracy demonstrated with other QC samples. Revised 4/17.08 Thallium has J3 qualifier due to matrix effects.

HBEL, Inc.

5600 U.S. 1 North, Fort Pierce, FL 34946
Phone: (772) 465-2400 Ext. 285 Fax: (772) 467-1564

CERTIFICATE OF ANALYSIS

[2030464]

Client: Sanders Laboratories, Inc. *Workorder ID:* F0803241

Parameter	Qualifier	Result [1]	Units	Reporting Limit	Method	Laboratory Batch	Prep Date/Time	Analyzed Date/Time	Analyst	Lab ID
Laboratory ID: **2030464001**					*Sampled:* 03/25/08 8:00		*Received:* 03/26/08 10:40			
Sample ID: **F0803241 01A Grab**					*Matrix:* Water		Results reported on Wet Weight Basis			
Thallium	J3	0.0012U	mg/L	0.0012	EPA 279.2	META8818	04/4/08 9:54	04/10/08 16:31	DM	E96080
Cyanide	Y	0.0047U	mg/L	0.0047	EPA 335.2	WCGE29181	04/4/08 10:00	04/7/08 14:11	GG	E96080
Surfactants as LAS, Mol.wt.340		0.063	mg/L	0.022	EPA 425.1	WCGE29120	03/26/08 14:00	03/26/08 17:18	GG	E96080
1,2-Dibromo-3-chloropropane		0.0034U	ug/L	0.0034	EPA 504.1	PEST5086	03/26/08 17:00	03/27/08 7:30	JL	E96080
1,2-Dibromoethane		0.0045U	ug/L	0.0045	EPA 504.1	PEST5086	03/26/08 17:00	03/27/08 7:30	JL	E96080
Aldrin		0.042U	ug/L	0.042	EPA 505	PEST5091	03/31/08 11:00	04/1/08 8:06	JL	E96080
Chlordane		0.12U	ug/L	0.12	EPA 505	PEST5091	03/31/08 11:00	04/1/08 8:06	JL	E96080
Dieldrin		0.063U	ug/L	0.063	EPA 505	PEST5091	03/31/08 11:00	04/1/08 8:06	JL	E96080
Endrin		0.097U	ug/L	0.097	EPA 505	PEST5091	03/31/08 11:00	04/1/08 8:06	JL	E96080
gamma-BHC (Lindane)		0.019U	ug/L	0.019	EPA 505	PEST5091	03/31/08 11:00	04/1/08 8:06	JL	E96080
Heptachlor		0.035U	ug/L	0.035	EPA 505	PEST5091	03/31/08 11:00	04/1/08 8:06	JL	E96080
Heptachlor epoxide		0.026U	ug/L	0.026	EPA 505	PEST5091	03/31/08 11:00	04/1/08 8:06	JL	E96080
Methoxychlor		0.042U	ug/L	0.042	EPA 505	PEST5091	03/31/08 11:00	04/1/08 8:06	JL	E96080
PCB		0.13U	ug/L	0.13	EPA 505	PEST5091	03/31/08 11:00	04/1/08 8:06	JL	E96080
Toxaphene		0.58U	ug/L	0.58	EPA 505	PEST5091	03/31/08 11:00	04/1/08 8:06	JL	E96080
2,4,5-TP		0.19U	ug/L	0.19	EPA 515.1	PEST5093	03/30/08 11:00	04/3/08 1:54	JL	E96080
2,4-D		0.22U	ug/L	0.22	EPA 515.1	PEST5093	03/30/08 11:00	04/3/08 1:54	JL	E96080
Dalapon		2.3U	ug/L	2.3	EPA 515.1	PEST5093	03/30/08 11:00	04/3/08 1:54	JL	E96080
Dinoseb		0.23U	ug/L	0.23	EPA 515.1	PEST5093	03/30/08 11:00	04/3/08 1:54	JL	E96080
Pentachlorophenol		0.39U	ug/L	0.39	EPA 515.1	PEST5093	03/30/08 11:00	04/3/08 1:54	JL	E96080
Picloram		0.23U	ug/L	0.23	EPA 515.1	PEST5093	03/30/08 11:00	04/3/08 1:54	JL	E96080
1,1,1,2-Tetrachloroethane		0.24U	ug/L	0.24	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,1,1-Trichloroethane		0.21U	ug/L	0.21	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,1,2,2-Tetrachloroethane		0.47U	ug/L	0.47	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,1,2-Trichloroethane		0.44U	ug/L	0.44	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,1-Dichloroethane		0.20U	ug/L	0.20	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,1-Dichloroethene		0.23U	ug/L	0.23	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,1-Dichloropropene		0.24U	ug/L	0.24	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,2,3-Trichloropropane		0.30U	ug/L	0.30	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,2,4-Trichlorobenzene		0.41U	ug/L	0.41	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,2-Dichlorobenzene		0.21U	ug/L	0.21	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,2-Dichloroethane		0.29U	ug/L	0.29	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,2-Dichloropropane		0.40U	ug/L	0.40	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,3-Dichlorobenzene		0.23U	ug/L	0.23	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,3-Dichloropropane		0.22U	ug/L	0.22	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,3-Dichloropropene		0.52U	ug/L	0.52	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
1,4-Dichlorobenzene		0.23U	ug/L	0.23	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
2,2-Dichloropropane		0.30U	ug/L	0.30	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
2-Chlorotoluene		0.20U	ug/L	0.20	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080

HBEL, Inc.

5600 U.S. 1 North, Fort Pierce, FL 34946
Phone: (772) 465-2400 Ext. 285 Fax: (772) 467-1584

CERTIFICATE OF ANALYSIS

[2030464]

Client: Sanders Laboratories, Inc. *Workorder ID:* F0803241

Parameter	Qualifier	Result	Units	Reporting Limit	Method	Laboratory Batch	Prep Date/Time	Analyzed Date/Time	Analyst	Lab ID
4-Chlorotoluene		0.23U	ug/L	0.23	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Benzene		0.20U	ug/L	0.20	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Bromobenzene		0.34U	ug/L	0.34	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Bromodichloromethane		0.25U	ug/L	0.25	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Bromoform		0.74	ug/L	0.41	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Bromomethane		0.30U	ug/L	0.30	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Carbon tetrachloride		0.24U	ug/L	0.24	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Chlorobenzene		0.30U	ug/L	0.30	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Chloroethane		0.46U	ug/L	0.46	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Chloroform		0.25U	ug/L	0.25	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Chloromethane		0.40U	ug/L	0.40	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
cis-1,2-Dichloroethene		0.21U	ug/L	0.21	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Dibromochloromethane		0.59	ug/L	0.30	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Dibromomethane		0.35U	ug/L	0.35	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Dichlorodifluoromethane		0.28U	ug/L	0.28	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Ethylbenzene		0.21U	ug/L	0.21	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Methyl-tert-butyl-ether		0.21U	ug/L	0.21	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Methylene chloride		0.23U	ug/L	0.23	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Styrene		0.21U	ug/L	0.21	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Tetrachloroethene		0.24U	ug/L	0.24	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Toluene		0.22U	ug/L	0.22	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Total THMs		1.3	ug/L	0.25	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Total Xylenes		0.46U	ug/L	0.46	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
trans-1,2-Dichloroethene		0.35U	ug/L	0.35	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Trichloroethene		0.36U	ug/L	0.36	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Trichlorofluoromethane		0.22U	ug/L	0.22	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Vinyl chloride		0.32U	ug/L	0.32	EPA 524.2	VOC2900		03/27/08 23:30	WR	E96080
Alachlor		0.64U	ug/L	0.64	EPA 525.2	SVOC2625	03/31/08 6:00	04/3/08 9:51	WR	E96080
Atrazine		0.51U	ug/L	0.51	EPA 525.2	SVOC2625	03/31/08 6:00	04/3/08 9:51	WR	E96080
Benzo(a)pyrene		0.073U	ug/L	0.073	EPA 525.2	SVOC2625	03/31/08 6:00	04/3/08 9:51	WR	E96080
bis(2-ethylhexyl)phthalate		0.89U	ug/L	0.89	EPA 525.2	SVOC2625	03/31/08 6:00	04/3/08 9:51	WR	E96080
Di(2-ethylhexyl)adipate		0.71U	ug/L	0.71	EPA 525.2	SVOC2625	03/31/08 6:00	04/3/08 9:51	WR	E96080
Hexachlorobenzene		0.32U	ug/L	0.32	EPA 525.2	SVOC2625	03/31/08 6:00	04/3/08 9:51	WR	E96080
Hexachlorocyclopentadiene		0.25U	ug/L	0.25	EPA 525.2	SVOC2625	03/31/08 6:00	04/3/08 9:51	WR	E96080
Simazine		0.66U	ug/L	0.66	EPA 525.2	SVOC2625	03/31/08 6:00	04/3/08 9:51	WR	E96080
Carbofuran		0.41U	ug/L	0.41	EPA 531.1	HPLC2455		04/7/08 21:20	JJM	E96080
Oxamyl		0.13U	ug/L	0.13	EPA 531.1	HPLC2455		04/7/08 21:20	JJM	E96080
Glyphosate		13U	ug/L	13	EPA 547	HPLC2454		04/2/08 14:49	JJM	E96080
Endothall		2.8U	ug/L	2.8	EPA 548.1	SVOC2623	03/29/08 14:00	03/30/08 20:28	CG	E96080
Diquat		1.9U	ug/L	1.9	EPA 549.2	HPLC2456	03/31/08 11:00	04/11/08 13:23	JJM	E96080
Dibromoacetic Acid		0.18U	ug/L	0.18	EPA 552.1	PEST5092	04/1/08 14:00	04/1/08 22:41	JL	E96080
Dichloroacetic Acid		0.66U	ug/L	0.66	EPA 552.1	PEST5092	04/1/08 14:00	04/1/08 22:41	JL	E96080
Monobromoacetic Acid		0.28U	ug/L	0.28	EPA 552.1	PEST5092	04/1/08 14:00	04/1/08 22:41	JL	E96080

HBEL, Inc.

5600 U.S. 1 North, Fort Pierce, FL 34946
Phone: (772) 465-2400 Ext. 255 Fax: (772) 467-1584

CERTIFICATE OF ANALYSIS

[2030464]

Client: Sanders Laboratories, Inc. *Workorder ID:* F0803241

Parameter	Qualifier	Result [1]	Units	Reporting Limit	Method	Laboratory Batch	Prep Date/Time	Analyzed Date/Time	Analyst	Lab ID
Monochloroacetic Acid		0.88U	ug/L	0.88	EPA 552.1	PEST5092	04/1/08 14:00	04/1/08 22:41	JL	E96080
Total HAAs		0.18U	ug/L	0.18	EPA 552.1	PEST5092	04/1/08 14:00	04/1/08 22:41	JL	E96080
Trichloroacetic acid		0.20U	ug/L	0.20	EPA 552.1	PEST5092	04/1/08 14:00	04/1/08 22:41	JL	E96080
1,2,4-Trichlorobenzene		0.76U	ug/L	0.76	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
1,2-Dichlorobenzene		0.90U	ug/L	0.90	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
1,3-Dichlorobenzene		0.90U	ug/L	0.90	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
1,4-Dichlorobenzene		0.96U	ug/L	0.96	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
1-Methylnaphthalene		1.0U	ug/L	1.0	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2,4,6-Trichlorophenol		1.1U	ug/L	1.1	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2,4-Dichlorophenol		0.74U	ug/L	0.74	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2,4-Dimethylphenol		2.5U	ug/L	2.5	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2,4-Dinitrophenol		2.1U	ug/L	2.1	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2,4-Dinitrotoluene		0.74U	ug/L	0.74	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2,6-Dinitrotoluene		0.69U	ug/L	0.69	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2-Chloronaphthalene		0.55U	ug/L	0.55	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2-Chlorophenol		0.83U	ug/L	0.83	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2-Methyl-4,6-dinitrophenol		1.2U	ug/L	1.2	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2-Methylnaphthalene		0.65U	ug/L	0.65	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2-Methylphenol (o-Cresol)		1.0U	ug/L	1.0	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
2-Nitrophenol		1.8U	ug/L	1.8	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
3&4 Methylphenol (m&p-Cresol)		0.88U	ug/L	0.88	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
3,3'-Dichlorobenzidine		0.45U	ug/L	0.45	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
4-Bromophenyl-phenylether		0.28U	ug/L	0.28	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
4-Chloro-3-methylphenol		0.71U	ug/L	0.71	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
4-Chlorophenyl-phenylether		0.33U	ug/L	0.33	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
4-Nitrophenol		0.81U	ug/L	0.81	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Acenaphthene		0.65U	ug/L	0.65	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Acenaphthylene		0.70U	ug/L	0.70	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Anthracene		0.50U	ug/L	0.50	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Azobenzene		1.0U	ug/L	1.0	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Benzidine		2.4U	ug/L	2.4	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Benzo(a)anthracene		0.58U	ug/L	0.58	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Benzo(a)pyrene		0.53U	ug/L	0.53	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Benzo(b)fluoranthene		0.50U	ug/L	0.50	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Benzo(g,h,i)perylene		0.98U	ug/L	0.98	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Benzo(k)fluoranthene		0.82U	ug/L	0.82	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Benzoic acid		3.1U	ug/L	3.1	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Bis(2-Chloroethoxy)methane		0.48U	ug/L	0.48	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Bis(2-Chloroethyl)ether		0.65U	ug/L	0.65	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
bis(2-chloroisopropyl)ether		0.40U	ug/L	0.40	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
bis(2-ethylhexyl)phthalate		0.40U	ug/L	0.40	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Butylbenzylphthalate		0.55U	ug/L	0.55	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080

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CERTIFICATE OF ANALYSIS

[2030464]

Client: Sanders Laboratories, Inc. *Workorder ID:* F0803241

Parameter	Qualifier	Result [1]	Units	Reporting Limit	Method	Laboratory Batch	Prep Date/Time	Analyzed Date/Time	Analyst	Lab ID
Carbazole		**0.46U**	ug/L	0.46	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Chrysene		**0.31U**	ug/L	0.31	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Di-n-butylphthalate		**0.73U**	ug/L	0.73	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Di-n-octylphthalate		**0.51U**	ug/L	0.51	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Dibenz(a,h)anthracene		**1.1U**	ug/L	1.1	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Dibenzofuran		**0.49U**	ug/L	0.49	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Diethylphthalate		**0.35U**	ug/L	0.35	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Dimethyl-phthalate		**2.4U**	ug/L	2.4	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Fluoranthene		**0.44U**	ug/L	0.44	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Fluorene		**0.46U**	ug/L	0.46	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Hexachlorobenzene		**0.41U**	ug/L	0.41	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Hexachlorobutadiene		**0.93U**	ug/L	0.93	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Hexachlorocyclopentadiene		**1.6U**	ug/L	1.6	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Hexachloroethane		**1.1U**	ug/L	1.1	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Indeno(1,2,3-cd)pyrene		**0.90U**	ug/L	0.90	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Isophorone		**0.42U**	ug/L	0.42	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
N-Nitroso-di-n-propylamine		**0.62U**	ug/L	0.62	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
N-Nitrosodimethylamine		**0.43U**	ug/L	0.43	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
N-Nitrosodiphenylamine		**0.77U**	ug/L	0.77	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Naphthalene		**0.69U**	ug/L	0.69	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Nitrobenzene		**0.38U**	ug/L	0.38	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Pentachlorophenol		**1.2U**	ug/L	1.2	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Phenanthrene		**0.30U**	ug/L	0.30	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Phenol		**0.96U**	ug/L	0.96	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Pyrene		**0.19U**	ug/L	0.19	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Pyridine		**1.4U**	ug/L	1.4	EPA 625	SVOC2622	03/26/08 11:00	04/9/08 1:03	WR	E96080
Fluoride		**0.88**	mg/L	0.024	SM4500F C	WCGE29154		04/4/08 13:30	GG	E96080

[1]Result Qualifiers: U = Not Detected I = Analyte detected between the Laboratory Method Detection Limit and Laboratory Reporting Limit
Applicable Florida Department of Environmental Protection Qualifiers defined below. Statement of Estimated Uncertainty available upon request.

J3 Estimated value; value may not be accurate. The reported value failed to meet the established quality control criteria for either precision or accuracy.

Y Analysis performed on an Unpreserved, or Improperly Preserved sample.