CLASS I TEST/INJECTION WELL
CONSTRUCTION & TESTING PERMIT APPLICATION
OKEECHOBEE LANDFILL, INC.
OKEECHOBEE, FLORIDA

November 2008

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OLI-IW1
SITE OLI

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1.0 INTRODUCTION

This document has been prepared on behalf of Okeechobee Landfill, Inc. (OLI) to support a Class I TEST/Injection Well Construction and Testing Permit Application. OLI has nearly completed the construction and testing of an Exploratory Well at the site pursuant to FDEP Permit No. 0040842. The results of testing to date indicate that the exploratory well meets all the requirements of Chapter 62-528 Florida Administrative Code (FAC) for a Class I injection well. OLI expects to complete construction of the exploratory well soon and desires to complete an injection test and radioactive tracer survey upon completion of construction under a Test/Injection Well permit. Construction of a deep dual zone monitoring well for the proposed injection system has been undertaken in compliance with a separate construction and testing permit for the monitor well (FDEP permit No. 040842-019-UC). Upon completion of all construction and testing, OLI intends to operate a Class I Injection Well System at the Okeechobee Landfill in accordance with the requirements set forth in Chapter 62-528 of the Florida Administrative Code (FAC). The Construction Permit Application (Form 62-528.900(1) is included in Appendix A. Information obtained during construction and testing of the Exploratory Well has been used to support issuance of the Class I Test/Injection Well Construction Permit. This information is included or referenced in the appropriate sections of this document.

1.1 Facility Description

The OLI Okeechobee Landfill is located in Okeechobee County at 10800 N.E. 128th Avenue, Okeechobee, Florida 34972. The facility is located approximately 12 miles northeast of the northern tip of Lake Okeechobee (Figure 1). The OLI Class I Landfill in Okeechobee County is operated pursuant to the Florida Department of Environmental Protection (FDEP) Permit No. 0247963-001-SC. The landfill generates leachate that is collected on-site via a leachate collection system. The leachate is currently evaporated onsite or pumped into tanker trucks and hauled to the Pompano Wastewater Treatment Plant for disposal. A site plan of the OLI Okeechobee Landfill facility is shown on Figure 2.

1.2 Project Overview

OLI has determined that leachate disposal via a properly constructed Class I Injection Well System is the most suitable long-term disposal method for the Okeechobee Landfill facility. The FDEP issued an Exploratory Well Construction Permit on February 19, 2007. Subsequently a construction permit modification request was submitted for the Exploratory Well. FDEP approved the construction permit modifications in February 2008. Construction and testing of the Exploratory Well began on March 3, 2008. By

October 30, 2008 the Exploratory Well pilot hole had been advanced to a depth of 3,506 feet below land surface (BLS). The 42-inch conductor casing was set and cemented in place to a depth of 251 feet BLS. The 36-inch surface casing was installed and cemented in place to a depth of 674 feet BLS. The 26-inch intermediate casing string was installed and cemented in place to a depth of 1,994 feet BLS. The 16-inch diameter final casing was installed o a depth of 2940 feet BLS. Geophysical logs have been run, straddle packer tests have been conducted and cores have been collected as specified in the Exploratory Well Construction Permit. A suitable injection zone has been identified in the interval from approximately 2,740 to 3,150 feet BLS. A suitable confining sequence has been identified in the interval between the base of the Underground Source of Drinking Water (USDW) identified at a depth of approximately 1,774 feet BLS and the top of the injection zone. This information is presented and evaluated in this document to support issuance of a construction permit application for the Class I Test/Injection well.

2.0 AREA OF REVIEW STUDY

The Area of Review (AOR) for this project has been established in accordance with the criteria set forth in Chapter 62-528.300(4).

2.1 Study Area

Computation of the zone of endangering influence has been calculated using the following equation presented by Warner and Lehr (1981):

$$r = (V/\pi b\phi)^{1/2}$$

where:

r = Radius distance of the wastewater front from the injection well (feet)
V = cumulative volume of injected wastewater (7.32×10^8 cubic feet)
b = Thickness of the injection zone (410 feet)
ϕ = average effective porosity (0.35)
π = 3.142 (dimensionless)

r = 1,275 feet or approximately .24 miles

The thickness of the injection zone at the OLI Okeechobee Landfill site is approximately 410 feet. Operating at the design capacity of 3,330,000 gallons per day (GPD) for a period of 50 years, the total volume of injected fluid is approximately $3.251X\ 10^9$ cubic feet. Based on the sonic log completed across the injection zone a porosity value of 0.35 has been utilized for the AOR determination. Using the following formula

$$R = (V/\Pi \text{ X aquifer thickness (Feet) X porosity})^{1/2}$$

where

r = radius of influence
V = 50 year cumulative injected volume in cubic feet
Π = Pi = constant

yields a 50 year area of influence of 2685 feet or 0.51 mile. Using the site-specific hydrogeologic conditions and maximum design flow rate, a one (1) mile AOR is appropriate and is proposed for this project.

2.2 Well Inventory

The South Florida Water Management District (SFWMD), Florida Geological Survey (FGS), and United States Geological Survey (USGS) were contacted to determine the location, depth and ownership of wells within the AOR. The limits of the AOR and well locations are shown on Figure 3. For information purposes a copy of the agency well information for all wells within a radius of four (4) miles is included in Appendix C.

2.2.1 Wells Within the AOR

Nineteen (19) wells were identified within the AOR. There are seventeen (17) groundwater monitoring wells located at the Okeechobee Landfill. The depths of these wells range from 25 to 35 feet below land surface (BLS). A site map showing the locations of these wells relative to the OLI Okeechobee Landfill is included in Appendix C. Two (2) other wells were identified within the AOR. The OLI potable supply well for the Okeechobee Landfill is identified as #12 on Figure 3. This well is completed within the Surficial Aquifer System (SAS) to a depth of 130 feet BLS. The other well (#19 on Figure 3) is an irrigation well also completed within the SAS. The depth of this well is reported to be 140 feet BLS. None of the wells are completed in the proposed injection zone or overlying confining units. There are no faults on record within the AOR.

2.2.2 Wells Within 4 Miles of the OLI Site

Thirty three (33) other wells were located within 4 miles of the OLI site. Only 6 of these wells penetrated the Floridan Aquifer System (FAS). Four (4) of the FAS wells were listed as irrigation wells. The depths of these FAS irrigation wells range from 500 to 825 feet BLS. None of the irrigation wells are completed in the proposed injection zone or overlying confining sequence.

An abandoned oil well (Shell Oil, Sloan 35-1) is located approximately $3^{1}/_{2}$ miles northwest of the OLI Okeechobee Landfill. This well was constructed in 1970 to a depth of 11,300 feet BLS. It was subsequently plugged and abandoned as a dry hole.

2.3 Physiographic Features

The OLI site is situated at the southern end of the Osceola Plain (Cooke 1939, 1945 and White 1970). In the area where the OLI site is located, the Osceola Plain narrows to what White describes as a "long spit" or "off-cape shoal" trending southeast and terminating near Indiantown Florida. This part of the Osceola Plain is a narrow terrace with elevations of approximately 40 feet above current sea level. To the west the narrow terrace is bounded by a scarp with a crest elevation of approximately 57 feet above sea level separating it from the Okeechobee Plain. To the east its toe is defined by the 30-foot elevation contour and the Eastern Valley. The present day landforms in this area have been attributed to changing sea levels during the Pleistocene and formation of well

defined marine terraces (Cooke 1945, Healy 1975 and others). The OLI site is located on the Penholoway Marine Terrace (Bradner 1994) which generally is present between elevations of 42 to 70 feet above sea level in Okeechobee County.

The topography of the marine terraces has been altered by erosional features associated with surface water drainage. The OLI site lies within the St. Lucie – Martin County Drainage Basin (Bradner 1994). Elevations on the western side of the site are approximately 60 feet above sea level and slope gradually to the northeast to approximately 40 feet above sea level on the eastern side of the site. There are several surface water drainage features in the area. As shown on the topographic map (Appendix C) there is a wetland area trending from the northwest to the southeast through central portion of Section 13 and northern portion of Section 24 (Township 36 South, Range 36 East). Further to the east of the site there is a larger wetland area trending from northwest to southeast. These wetlands eventually flow into Lake Okeechobee.

2.4 Hydrogeology

The site hydrogeology has been evaluated using data presented in studies conducted by the USGS (Lidz 1981; Miller 1986; Bradner 1994; and Aponte et.al., 1996) and the FGS (Chen 1965). In addition, lithologic and geophysical logs of several Oil Wells (Shell Oil Sloan #35-1, Triton Oil #1 L.E. Larson, and Amerada Petroleum Corporation Marie Swenson #1) were reviewed. Geophysical and lithologic logs for injection well systems at the South Florida Water Management District ASR Project in Okeechobee County (ASR), Ocean Spray (OS), St. Lucie West Services District (SLWSD), City of Pahokee, Tropicana (Trop), Pratt Whitney Aircraft-United Technologies (PWA) and QO chemicals (QO) were also reviewed. The location of these wells is shown on Figure 1. Using this information, hydrogeologic cross sections have been prepared and included on Figures 4 and 5. The following geologic formations and hydrogeologic units were confirmed during construction of the exploratory well at the OLI site:

Table 2.1 Geologic Units Anticipated at the OLI Site

Depth (BLS)	Geologic Units
0 to 250	Undifferentiated Surficial Deposits
250 to 670	Hawthorn Group
670 to 800	Ocala Limestone
800 to 2,290	Avon Park Formation
2,290 to 3,150	Oldsmar Formation
3,150 to TD	Cedar Keys Formation

Table 2.2 Hydrogeologic Units Anticipated at the OLI Site

Depth (BLS)	Hydrogeologic Units
0 to 250	Surficial Aquifer System
250 to 670	Upper Confining Unit
670 to 1774	Upper Floridan Aquifer System
2200 to 2741	Primary Confining Unit
2741 to 3150	Injection Zone

2.4.1 Holocene, Pleistocene and Pliocene

2.4.1.1 *Surficial Aquifer System - Undifferentiated Surficial Deposits*

A veneer of Holocene, Pleistocene and Pliocene sands, silts, clay, coquina, shells, organic material and limestone are present from land surface to a depth of approximately 250 feet BLS in the vicinity of the OLI site (Bradner 1994). These deposits contain the SAS. The SAS is used as a source of potable water supply in some areas of Okeechobee County. The SAS consists of relatively thin deposits of Holocene to Pliocene-age sand, silt and shell. These sediments are underlain by a thicker, more permeable sequence of interbedded sand, silt, clay, limestone and shell material. Generally wells in the SAS are completed in three depth ranges (Bradner 1994). Shallow SAS wells are generally installed to depths ranging from 30 to 60 feet bls. Intermediate depth SAS wells are generally screened at depths ranging from 100 to 140 feet bls. Deeper SAS wells are generally completed to depths ranging from 180 to 240 feet bls. The upper zone of the SAS is unconfined. The middle and deep zones may be semi-confined locally depending on the lithology.

2.4.2 Miocene

2.4.2.1 *Upper Confining Unit - Hawthorn Group*

The Hawthorn Group in south Florida has been differentiated into two distinct formations (Scott 1988). The Peace River Formation consists predominantly of dolosilts interbedded with sand lenses, clay and limestone. This formation directly underlies the SAS. Geologic cross-sections prepared through the Okeechobee County area (Scott 1988) indicate that the Peace River is approximately 175 feet thick just north of Lake Okeechobee and thickens toward the east and southeast. The Arcadia Formation unconformably underlies the Peace River formation. The Arcadia formation contains more carbonates than the overlying Peace River and is characterized by abundant phosphate pellets and rubble beds. The Arcadia is approximately 225 feet thick on the north side of Lake Okeechobee and thickens to the east and southeast.

Collectively the middle to late-Miocene deposits of the Hawthorn Group form an Upper Confining Unit (Miller 1986) in the area of the OLI Okeechobee Landfill. Using cuttings from the Shell Oil, Sloan 35-1 well approximately $3^{1}/_{2}$ miles northwest of the OLI site, the Hawthorn Group Sediments are present between depths of approximately 250 feet to 600 feet BLS at the proposed OLI Injection Well site.

2.4.3 Eocene - Floridan Aquifer System

2.4.3.1 *Ocala Limestone*

The Ocala Limestone consists of late Eocene-age Limestone characterized by numerous fossils. The Ocala Limestone contains a characteristic suite of benthonic foraminifera. These include Nummulites sp., Heterestegina sp., Operculinoids sp. and Amphistegina sp. Using cuttings from the OLI Exploratory well the Ocala Limestone is present at the OLI facility between depths of approximately 670 feet to 800 feet BLS. Generally the top of the Ocala Limestone coincides with the top of the FAS in Okeechobee County (Bradner 1994). There are localized areas where a thin section (<5 feet thick) of late Eocene-age

Suwanee Limestone is present and marks the top of the FAS. The Ocala contains the upper Floridan Aquifer. The upper Floridan is fully confined in the area of the OLI site with artesian heads at or above land surface. The upper Floridan Aquifer is used locally as a source of irrigation water. The high mineral content generally prohibits its use for potable water supply. The potentiometric surface of the upper Floridan slopes toward the northeast across the area (Spechler et. al. 1991) of the OLI site.

2.4.3.2 *Avon Park Formation*

Applin and Applin (1944) proposed the name "Avon Park Limestone" to describe rocks of late Middle Eocene age in northern and peninsular Florida. Miller (1986) combined the Avon Park Limestone with underlying Lake City Limestone into the Avon Park Formation because of the similarities between the units. In most areas of Florida, the units can only be divided by the micro fauna present within them. Miller defined the Avon Park Formation as "the sequence of predominantly brown limestones and dolomites of various textures that lies between the gray, largely micritic limestones and gray dolomites of the Oldsmar Formation and the white foraminiferal coquina or fossiliferous micrite of the Ocala Limestone." Duncan et al. (1994b) describes the lowermost section of the Avon Park Formation as characterized by intervals of nodular chert, cherty limestones and cherty dolostones. In Okeechobee County the upper portion of the Avon Park is part of the Upper Floridan aquifer, the middle portion of the Avon Park forms a semi-confining unit in some parts of the area and the lower Avon Park is part of the Lower Floridan Aquifer (Aponte et. al 1996 and Miller 1986).

Using lithologic data from the OLI Exploratory well the Avon Park occurred between depths of approximately 800 to 2300 feet BLS at the proposed OLI Injection Well site. The bottom of the Avon Park was delineated based on the presence of chert beds. The base of the Underground Source of Drinking Water (USDW) occurred at a depth of approximately 1,774 feet BLS within the Avon Park. Water samples collected from a packer test depth interval of 1,746 to 1,770 feet BLS, and 1,774 to 1,798 feet BLS at the site had a Total Dissolved Solids (TDS) concentration of 7,415 and 12,544 milligrams per liter (mg/L), respectively. The TDS concentration in groundwater below this depth increases exponentially and exceeds 10,000 milligrams per liter (mg/L) at the base of the USDW at a depth of approximately 1,774 feet BLS. Below a depth of approximately 2,200 feet BLS, the lower portion of the Avon Park Formation forms part of the principal confining unit overlying the target injection zone at the OLI site.

2.4.3.3 *Oldsmar Formation*

Applin and Applin (1944) applied the name "Oldsmar Limestone" to a series of faunal zones overlying the Cedar Keys Formation. Chen (1965) described the unit in peninsular Florida as being predominantly dolomite and limestone with gypsum and anhydrite as minor components. Duncan et al. (1994a) conformed to Miller (1986) and used the term "Oldsmar Formation" to describe the unit. They described the unit as consisting of "an upper section of interbedded white to light-gray, chalky packstone, wackestone, mudstone, and grayish brown dolostone and a lower section of predominantly well-indurated, crystalline yellowish-brown dolostone." Glauconitic limestones are known to

occur near the top of the formation accompanied by the index fossil, Helicostegina gyralis. The Oldsmar Formation contains the Lower Floridan Aquifer and the target injection zone (Boulder Zone) for the OLI Project. At the OLI facility, the upper portion of the Oldsmar is expected to form part of the principal confining unit overlying the injection zone in the lower portion of the formation. Using the lithologic data and geophysical logs from the Triton Oil #1 L.E. Larson Well, Amerada Oil #1 Marie Swenson Well, Shell Oil Sloan 35-1 Well and Port SLWSD Injection Well the injection zone is expected to be present in the interval from approximately 2,500 to 3,100 feet BLS at the OLI site. The geophysical logs indicate a highly fractured and cavernous formation is present at this depth and the oil well records indicate that difficult drilling and lost circulation problems typical of the Boulder Zone occurred in this depth interval.

2.4.4 Paleocene – Sub Floridan Confining Unit

2.4.4.1 *Cedar Keys Formation*

The Paleocene-age Cedar Keys Formation forms a confining unit beneath the FAS. The Cedar Keys is easily identified on the nearby oil well and OLI exploratory well geophysical logs due to the markedly lower formation porosity. Secondary mineralization has filled most of the porosity in this formation with anhydrite. Based on the lithologic samples, geophysical logs and the video collected in the exploratory well borehole at OLI, the top of the Cedar Keys Formation was encountered at 3,150 feet BLS.

3.0 SYSTEM DESIGN CONSIDERATIONS

3.1 Leachate Generation and Collection

Okeechobee Landfill, Inc. (OLI), owns and operates a major landfill facility located east of the city of Okeechobee, Florida. The facility accepts municipal solid waste (MSW) and construction & demolition (C&D) wastes. The OLI Class I Landfill is equipped with a leachate collection system. Construction details for the proposed OLI Class I Injection Well are shown on Figure 6. Construction details for the Dual Zone Monitor Well are shown on Figure 7.

The landfill cells are constructed with double liner systems, equipped with leachate collection systems. The leachate is pumped from various wet wells around the landfill to two lined storage ponds located on the southeast side of the landfill. The leachate ponds are lined and have membrane covers to prevent stormwater from mixing with the leachate. The East Leachate Pond has a surface area of approximately 1.3 acre, and a volume of 2,300,00 gallons and the West Leachate Pond has a surface area of approximately 1.0 acre and a volume of 2,000,000 gallons.

Some of the leachate is pumped from the ponds to two on-site evaporators that are fired with landfill biogas. The brine from the evaporators is recycled to the landfill. The remainder of the leachate is trucked to a permitted off-site disposal facility. The leachate receives no treatment prior to evaporation or off-site disposal.

3.2 Leachate Quality

On April 25, 2008 samples of the OLI Okeechobee Landfill leachate were collected and analyzed prior to off site disposal. The laboratory analytical test reports of these samples are included in Appendix D. The effluent results are either below laboratory detection limits (BDL), or the Florida Primary Drinking Water Standards (FPDWS Chapter 62-550 FAC), or the Florida Secondary Drinking Water Standards (FSDWS –Chapter 62-550 FAC) and/or the Florida Groundwater Cleanup Target Levels (GWCTLS –Chapter 62-777 FAC) except for relatively low levels of ethylbenzene and toluene exceeding the FSDWS. The leachate results are also below the standards for semi-volatile organics except for phenol and 3&4 methylphenol that exceed the GWCTLS. The leachate results are below the standards for the chlorinated pesticides and carbamated pesticides. Several inorganic constituents exceeded the FPDWS including arsenic, chromium and nickel. Several inorganic constituents also exceeded the FSDWS including iron, aluminum, chloride and TDS. The chloride concentrations were 3,900 mg/L and the TDS of the leachate sample was 14,000 mg/L.

The pH of the leachate sample was 7.9 standard units (S.U.). The corrosivity test (Langlier Saturation Index) indicates the leachate sample has the potential to be slightly scale forming in some piping materials.

The total kjeldahl nitrogen (TKN) concentration of the leachate sample was reported at a concentration of 1,400 mg/L. The organic nitrogen component of the TKN is 310 mg/L and ammonia is 1,100 mg/L.

On April 28, 2008, a sample was collected from the stormwater retention Pond identified as D-1 and is the proposed source of water for the 24 hour injection test that will be performed in the well. The laboratory analytical test reports of these samples are included in Appendix D. The laboratory test results are either below laboratory detection limits (BDL), or the Florida Primary Drinking Water Standards (FPDWS Chapter 62-550 FAC), or the Florida Secondary Drinking Water Standards (FSDWS –Chapter 62-550 FAC) and/or the Florida Groundwater Cleanup Target Levels (GWCTLS –Chapter 62-777 FAC).

3.3 Fluid Compatibility

The OLI leachate should be compatible with the injection zone formation, ambient groundwater and the proposed well construction materials proposed for use in the Class I Injection Well. The following table shows a comparison of the constituents in the injection zone formation water (sampled May 23, 2005) at the SLWSD site and the OLI leachate sampled on April 25, 2008. The injection zone water quality at the OLI site is expected to be very similar to that at the SLWSD site.

Table 3.1 OLI Leachate Quality vs. Injection Zone Water Quality

Parameter	Units	SLWSD Injection Zone	OLI Leachate
pH	mg/L	7.8	7.9
Sodium	mg/L	8,500	2,200
Aluminum	mg/L	<0.010	19
Arsenic	mg/L	<0.009	0.29
Barium	mg/L	0.11	0.120
Chromium	mg/L	0.011	0.340
Copper	mg/L	<0.010	0.037
Manganese	mg/L	0.97	0.420
Nickel	mg/L	0.062	0.190
Selenium	mg/L	0.18	0.022
Antimony	mg/L	0.028	0.026
Lead	mg/L	0.0019	0.0067
Ammonia	mg/L	<0.02	1,100
Chloride	mg/L	21,000	3,900
TDS	mg/L	39,000	14,000
Sulfate	mg/L	2,500	<100
Fluoride	mg/L	0.55	<70
Iron	mg/L	6.2	2.2
TKN	mg/L	1.2	1,400
Zinc	mg/L	0.032	0.086
Total Phosphorous	mg/L	0.38	8.7
COD	mg/L	2,400	4,000
BOD	mg/L	1,200	310
Gross Alpha	pCi/L	13±20	71±44

3.4 Anticipated Flow

During calendar year 2005, the landfill generated approximately 38 million gallons of leachate. This is an average of 104,000 gpd. As the landfill is expanded, the leachate quantity is expected to increase to 200,000 gpd. The pumping system for the injection well has been designed for a continuous flow of 300,000 gpd to allow capacity to inject the projected leachate amount with 50% excess capacity to accommodate special situations. The injection well is designed to accommodate up to 3.3 MGD.

3.5 Anticipated Injection Pressure

During calendar year 2005, the landfill generated approximately 38 million. The maximum calculated shut-in pressure for the proposed injection well is approximately 28 pounds per square inch (PSI). This is considered a maximum value based on the assumption that the native formation water in the injection zone has the density of seawater and the leachate density is that of fresh water. The leachate density has not been measured but based on the chemical analyses it is expected to be greater than that of fresh water. Therefore the actual shut-in pressure of the injection well is expected to be less than 28 PSI.

During operation, the wellhead pressure will increase due to friction losses in the injection tubing. Friction losses in the proposed 2,500-foot length of Fiberglass Reinforced Plastic (FRP) injection tubing have been calculated using an empirical formula developed by Hazen and Williams.

$$f = 0.2083\left(100/C\right)^{1.85} (q)^{1.85}/(d)^{4.8655}$$

where:

f = Friction head in feet of liquid per 100 feet of injection tubing
d = Inside diameter of injection tubing (11.9 inches)
q = Injection rate (208 gallons per minute)
C = Tubing roughness coefficient (dimensionless, 140 for FRP Tubing)

The calculated wellhead pressure due to pipe friction loss at the design flow rate of 300,000 GPD is negligible (0.13 PSI). At the design flow rate the maximum operating pressure should not exceed 28 PSI.

3.6 Monitoring

Process Controls

During operation of the OLI injection well system, leachate flow rate, pH, wellhead pressure, annulus pressure and monitor zone water levels will be automatically monitored on a continuous basis. Data will be transmitted via radio telemetry to an operations computer located in the facility's main administration building. Here the data will be continuously recorded for process evaluation and preparation of Monthly Operating Reports (MORs). Alarms will be generated locally by a Programmable Logic Controller (PLC) at the injection well facility.

The following process variables will be monitored continuously by instrumentation devices as depicted on the Process & Instrumentation Diagram (P&ID), and discussed below.

- Leachate flow will be measured by a new 6" MAG flow meter (Rosemont or equal). A continuous record of flow rate will be recorded by the control system.
- Injection well pressure will be automatically monitored by a pressure transducer (Rosemont or equal). A continuous record of injection pressure will be recorded by the control system. In addition, an oil-filled pressure gauge (Ashcroft or equal) will be installed to allow local observation of the pressure, and to verify the transducer readings.
- Annulus pressure will be automatically monitored by a pressure transducer (Rosemont or equal). A continuous record of annulus pressure will be recorded by the control system. In addition, an oil-filled pressure gauge (Ashcroft or equal) will be installed to allow local observation of the pressure, and to verify the transducer readings.

- Differential pressure between the injection well and the annulus fluid will be determined automatically by the local PLC (subtracted difference between injection and annulus pressures). An alarm will be initiated if differential pressure falls below a specified value (too low). If differential pressure falls below a critical low value, a second alarm will be activated and automatic injection system shut down will be initiated.
- Monitoring well water levels shall be detected by down-hole level transducers (Siemens or equal), one for the Lower Monitoring Zone (LMZ), and one for the Upper Monitoring Zone (UMZ). A continuous record of water level in both zones will be recorded by the control system.

Leachate and Groundwater Sampling

During operational testing the monitor wells will be sampled weekly and the leachate will be sampled monthly. After six (6) months of data have been collected a request may be made to reduce the monitor well sampling frequency to monthly in accordance with Chapter 62-58.450(3)(d). The sampling parameters will be specified by permit conditions. Anticipated monitoring parameters are:

Chloride	Sulfate	Carbonate
Bicarbonate	Alkalinity	Total Phosphate
Nitrate	Nitrite	Ammonia
TKN	Sodium	Calcium
Magnesium	Iron	TDS
TOC	TSS	Potassium
COD	BOD	Coliform

The LMZ and UMZ will be equipped with 3-inch submersible pumps. Prior to sample collection, the pumps will be activated and the monitor zones purged for a 24-hour period. Purge water will be routed to the stormwater collection system, and pumped to the injection well. Samples will be collected from the pump discharge line from each of the monitor zones.

Operational data and records of monitoring will include the date, exact place and time of sampling and analysis. The personnel responsible for the data collection and analysis will be specified along with the analytical methodology and results. All reports and other submittals required by FDEP permit will be signed by a person authorized pursuant to the requirements in Chapter 62-528.340(1) or (2) FAC. All reports will contain the certification required in Chapter 62-528.410(1)(h) FAC. OLI will retain monitoring records throughout the operational life of the injection well system and for at least 5 years after completion of well plugging and abandonment.

3.7 Contingency Plans

Power Outage

During a typical short-term power outage, leachate injection operations may be temporarily suspended. This would be typical of brief power outages associated with summer thunderstorms.

During a longer-lasting outage, leachate injection can be continued. The power source for the leachate transfer pumps at the ponds is connected to an emergency generator. Power at the injection well will be supplied by a portable emergency back-up generator.

If for some reason emergency power is inoperable, leachate will be transferred to an off-site disposal facility. Tanker truck loading can be accomplished using portable diesel-driven pumps.

Injection Pump Failure

Two (2) new pumps will be installed to pump leachate to the injection well (210 gpm, 100 ft TDH, 15 HP). One pump will be the duty pump and the other will be a standby. Thus, if the duty pump breaks down, the standby pump will be available for service.

Injection System Down for Maintenance, Repair or Testing

Contingency provisions have been made for situations when the well is inoperable or must be taken off-line to conduct scheduled testing.

During these situations, OLI will utilize the existing storage capacity in the leachate ponds. Typically the ponds will be operated alternately with one being drained by pumping to the injection well while leachate is accumulated in the other pond. At any given time, at least 2,000,000 gallons of leachate storage should be available. Thus, if the injection well is unavailable for use due to some unforeseen circumstance, leachate can be accumulated in the reserve capacity of the ponds for a period of time. At the design leachate flow rate of 200,000 gpd, the leachate pond system will be capable of storing at least ten days worth of leachate.

If the ponds become full and the well is still unavailable for use, leachate can be trucked to a permitted off-site disposal facility (as it is currently disposed). The leachate transfer pumping system has been designed to allow loading leachate from the ponds to transfer tanker trucks.

Prior to the 5-Year Mechanical Integrity Tests (MIT), the leachate pond levels will be reduced to provide the required holding capacity. If for some reason the ponds do not have enough capacity, leachate will be transferred to an off-site disposal facility.

3.8 Operation & Maintenance

During operation of the Injection well, the OLI facilities staff will be responsible for maintenance of the pumps, piping and instrumentation associated with the system. OLI staff will also maintain records of injection flows, wellhead pressures, annulus pressure and monitor well pressures. This data will be recorded using the control system and operations monitoring computer discussed previously. A contracted laboratory will be responsible for collection and analysis of water quality samples from the leachate and from each monitor zone in accordance with the FDEP permit conditions. OLI staff will also conduct the required injectivity testing as specified in the permit.

3.9 Casings

The casings in construction of the Exploratory/Class I Injection Well and Dual Zone Monitor Well are or will be new, unused, and conform with the American Society for Testing and Materials (ASTM) Designation A 53/A 53M-02 for seamless steel casings; ASTM Designation A 139-00 for spiral weld steel casing; and ASTM Designation D 2996-01 for FRP tubing. All steel casings are or will be plain end, with beveled finish for butt-welding. The FRP tubing will be threaded and coupled. The actual, or in the deep monitor well where casing have not yet been installed, anticipated casing setting depths are shown on Figures 6 and 7. The exact casing setting depths have been or will be determined in the field based on geologic conditions encountered during drilling. FDEP approval has been obtained prior to installation of the 16-inch NPS injection casing, 26-inch NPS intermediate casing string in the injection well, and will be obtained prior to installation of the 16-inch NPS intermediate (upper monitor zone) casing string in the monitor well and final 6-5/8" (deep monitor zone) casing. Prior to casing installation the Contractor is required to submit Mill Certifications for approval.

The 42-inch NPS conductor casing, 36-inch NPS surface casing, and 30-inch NPS intermediate casing used in the Class I Injection Well is ASTM A 139, Grade B, electric fusion, arc—welded, helical-seam steel pipe (167.00 lb/ft, 142.68 lb/ft, and 118.65 lb/ft respectively). The 16-inch NPS injection casing already installed in the injection well, is ASTM A 53 Grade B, Type S-seamless steel, 0.500-inch thick wall (82.77lb/ft).

The FRP injection tubing used in the injection well will be DHC500 as manufactured by Centron (or equivalent). The nominal outside diameter is 10.72 inches and the nominal inner diameter is 9.72 inches (14.00 lb/ft). The tubing is threaded and coupled with a nominal box O.D. of 12.70 inches. At the design flow rate of 300,000 GPD the average fluid velocity inside the injection tubing will be less than 1.0 feet per second. The FRP injection tubing will transition to stainless steel casing at a depth of approximately 20 feet BLS. The stainless will extend through the concrete drill pad. All wellhead hardware on the Class I Injection Well will be stainless steel.

The 34-inch NPS conductor casing, 24-inch NPS surface casing and 16 NPS intermediate casing proposed for the Dual Zone Monitor Well will be ASTM A 139 Grade B, electric fusion, arc—welded, helical-seam steel pipe, standard (STD) 0.375-inch wall thickness 134.67 lb/ft, 94.71 lb/ft, and 62.64 lb/ft, respectively. The 16 NPS intermediate casing will transition to 316 stainless steel casing at a depth of approximately 20 feet BLS. The stainless will extend through the concrete drill pad.

The FRP tubing proposed for the deep monitor zone will be DHC500 as manufactured by Centron (or equivalent). The nominal outside diameter is 6.10 inches and the nominal inner diameter is 5.43 inches (5.7 lb/ft). The tubing is threaded and coupled with a pin upset of 6.73 inches and a box O.D. of 8.00 inches. The upper 20 feet of tubing, including the portion extending through the pad, will be stainless steel.

3.10 Cements

In accordance with Chapter 62-528.410 (5) FAC, all cement utilized in construction of the injection well and monitor well will meet ASTM Type II standards or its equivalent, Standard Specification for Portland Cement, American National Standards Institute/ASTM C 150-05. Cementing procedures shall conform to The AWWA Standard for Water Wells, American Water Works Association A 100-90.

Prior to casing installation and cementing, the boreholes have been conditioned via wiper trips and circulating bottoms-up. A caliper log has been or will be run to determine cement volumes. Casings will be centralized to ensure even placement of cement and to allow access for cement tremmie lines. The initial lift of cement for each casing string will be delivered by pressure grouting through a cement header. After allowing a minimum of 12 hours for curing, the top of the first lift is tagged. Subsequent lifts are delivered using a $1\text{-}2^{7/8}$ inch tremmie pipe. After allowing time for each lift to cure, the top of the cement is determined by tagging with the tremmie and verification using temperature logs run inside the casing. The theoretical cement volume will be compared with the actual cement volume placed in each lift.

The initial lifts have been ASTM Type II neat cement and do not contain any additives. Remaining lifts in the injection well may contain up to 12% bentonite gel except in the final casing string where 6% gel is the maximum. All casings cemented in the deep monitoring well are cemented using a maximum of 6% gel. All drill mud, cement, and formation water displaced from the well during cementing will be containerized and shipped off-site for proper disposal.

3.11 Surge Control

Due to the low down-well velocities at the design pumping rate, special provisions for surge control and water hammer are not needed. At 300,000 gpd pumping rate (210 gpm), the velocity in the injection tube is only 0.9 fps.

The ultimate capacity of the injection well is 2,300 gpm (assuming an injection tube velocity of 10 fps). If higher flows are injected in the future, surge control and water hammer control may be needed. Provisions have been made to add a surge suppressor at the injection well if it is needed at some later date (see P&ID).

3.12 Drilling Fluids

No salt will be utilized as a drilling fluid additive during construction of the monitor well. Drilling mud (bentonite) will be used as necessary for hole conditioning and flow control. During construction of the injection well, drilling mud has been utilized for hole

conditioning and flow control until the surface casing was set and cemented in place. After installation of the surface casing, drilling mud and/or salt was utilized as drilling fluid in the injection well. All drilling fluids, formation water and drill cuttings will be contained in a closed circulation system. The system is comprised of steel tanks with a minimum total capacity of 20,000 gallons. Solids are separated from the drilling fluid with a screen (shale shaker) prior to being re-circulated in the well. The circulation system is placed on a watertight containment area (drilling pad) to ensure that spills do not impact the SAS.

3.13 Waste Management

All excess drilling mud and formation water has and will be containerized and shipped off-site to an approved disposal facility. The name and location of the facility provided by the contractor and to the FDEP in January, 2008 for water disposal is Ridgdill Construction at 1785 Ridgdill Road in Clewiston. Drilling mud has been mixed with cement to meet the paint filter test and then used on site as fill/landfill cover and or placed in the landfill. Drill cuttings and other non-hazardous solid wastes have been placed in the OLI Okeechobee Landfill.

4.0 DRILLING AND TESTING PROGRAM

The Exploratory/Injection Well has been constructed according to the existing construction permit (FDEP Permit No. 0040842) and the Dual Zone Deep Monitor Well to be included in the Test Injection Well permit applied for in this permit application is under construction at this time in accordance with FDEP Permit No. 040842-019-UC. The initial phase of construction and testing for the exploratory well is near completion with final casing installation underway at the time of this writing. Upon completion of all the construction and testing programs under existing permits, an injection test and a radioactive tracer survey are the only tests required to meet the standards of a Test/Injection well system permit in accordance with the requirements in Chapter 62-528 of the Florida Administrative Code (FAC). The next phase of the program includes completion of the RTS and injection tests as the final demonstration of mechanical integrity for the well and a demonstration for the well's ability to accept injection of fluids. Upon completion of these two tests, the Class I Injection Well can begin operational testing at the site in accordance with the requirements in Chapter 62-528 of the Florida Administrative Code (FAC).

The Exploratory Drilling Program was conducted initially to confirm the site specific hydrogeologic conditions at the site. Based on the data collected during construction of the exploratory well, conditions are suitable for approval by the FDEP for a Class I Injection Well system.

The proposed OLI Class I Test/Injection Well and Dual Zone Monitor Well have been designed to meet the criteria in Chapter 62-528.410 FAC. The materials used and construction methods have been selected to minimize impacts to ambient groundwater

quality and to prevent movement of fluids into or between USDWs. Drilling has been conducted by a qualified water well Contractor with the equipment and experience necessary to complete the project. The Contractor has provided equipment capable of supporting the maximum loads exerted by the drilling string, collars, casings and other equipment necessary for completion of the wells as specified in the Technical Specifications which were included with the application for the exploratory well construction and testing permit.

After completion of the wells the temporary pad will be removed and a concrete containment pad will be constructed. The finished pad layout is shown on Figure 8. As shown on figure 7, the Dual Zone Monitor Well will be located approximately 100 feet from the Exploratory/Class I Injection Well. Both wells will be located within a concrete containment pad constructed after all drilling and testing has been completed. Four (4), surficial aquifer monitor wells were installed at each corner of the drilling pad prior to any construction activities on the injection well or dual zone monitor well. A well construction diagram for the pad monitor wells is included on Figure 9. The pad monitor wells were sampled for conductivity, temperature and chlorides prior to the Exploratory/Class I Injection Well drilling to establish background water quality. During construction pH was added to the list of physical properties measured on a weekly basis.

4.1 Well Construction Phases

Drilling of both the Exploratory/Class I Injection Well and Dual Zone Monitor Well have been done in stages using a closed circulation system. To ensure the reamed holes track the pilot holes, a staged reaming assembly and lead bit has been used during reaming. In addition, inclination surveys will be conducted every 90 feet in the pilot hole and reamed hole. A maximum inclination of 1° from true vertical has been allowed. The Contractor furnished and installed blowout preventers on the wellheads to ensure that uncontrolled flow from the wells is not allowed at any time. The conventional mud-rotary drilling method will be utilized during the first stages of drilling through the SAS and Hawthorn Group. All drilling below the Hawthorn Group will be by the reverse-circulation, rotary drilling method. The conductor casings were set into the top of the Hawthorn Group sediments to ensure that the SAS is sealed off during deeper drilling operations. The surface casing strings in each well were set into the top of the upper FAS, sealing-off the Hawthorn Group. The intermediate casing strings in the exploratory well was installed below the base of the USDW. The final casing in the injection well is being installed at the top of the injection zone taking full advantage of over 500 feet of dense confining limestone and dolomite.

The drilling activities in the exploratory well have been described in detail in previously submitted reports including the exploratory well permit application, and the casing point reports submitted to FDEP for approval of the intermediate and final casings strings. Descriptions of drilled cuttings, conventional cores, packer tests, geophysical logs and other tests were submitted with test results and interpretations.

The testing completed during drilling of the exploratory well demonstrates that the base of the USDW occurs about 1,774 feet BPL, that thick sequences of dense limestone and dolomite exists below the USDW and these sequences of rock consist of about 540 feet of sedimentary rocks with permeabilities as low as 10^{-10} cm/sec. The testing program also demonstrated that the injection zone begins at a depth of 2,741 feet BPL and continues to a depth of 3,150 feet BPL.

4.2 Water Quality Testing

All water quality samples will be collected by L.S. Sims & Associates, Inc. in accordance with the company Quality Manual.

During the well construction project, water quality samples will be collected weekly from the pad monitor wells and analyzed in the field for chlorides, specific conductivity, temperature and water level (relative to NAVD 1988).

Water samples were collected from the pump discharge at the end of each USDW straddle packer test; packer tests in the confining sequence could not be developed long enough to obtain representative formation samples. These samples were sent to a certified laboratory for analysis of TDS, chlorides, sulfate, specific conductivity, ammonia and TKN as N. A 2.5-gallon sample of water was collected from the straddle packer pump discharge, and will be collected from the background injection zone and monitor zone samples. These samples will be sent to the Florida Geological Survey, Hydrogeology Program Coordinator, 903 West Tennessee Street, Tallahassee, Florida, 32304. Field measurements of pH, temperature, specific conductivity, dissolved oxygen and turbidity will also be collected. After development of the monitor wells, samples will be collected from each zone and sent to a certified laboratory for analysis of the primary and secondary drinking water standards (excluding asbestos, Dioxin®, epichlorohydrin, acrylamide and butachlor), potassium, ammonia and TKN as N. Field measurements of pH, temperature, specific conductivity, dissolved oxygen and turbidity will also be collected.

Prior to the injection test, a sample will be collected from the SAS water supply well at the OLI injection well site (short term injection test source water) and sent to a certified laboratory for analysis of the primary and secondary drinking water standards (excluding asbestos, Dioxin®, epichlorohydrin, acrylamide and butachlor), potassium, ammonia, TKN as N. Field measurements of pH, temperature, specific conductivity, dissolved oxygen and turbidity will also be collected.

4.3 Geophysical Logging

Geophysical logging has been conducted by an experienced operator under the supervision of the Site Geologist. The geophysical logs have provided additional information on lithology, water quality, aquifer characteristics, integrity of the well casing and borehole deviation. The surveys include: natural gamma, BHC-Sonic with VDL, dual induction, fluid resistivity, X-Y caliper, temperature with ΔT, CBL with VDL, and flow meter.

4.4 Cutting and Core Recovery

Cuttings have been collected at 10-foot intervals and at formation changes, and ten cores as were collected during drilling of the confining sequence as directed by the Site Geologist. The lithology of the cuttings and cores were determined under a binocular microscope with emphasis on rock type, color, texture, porosity (visual), grain size and type, induration, accessory minerals and fossil content.

The ten cores were collected in the lower confining sequence (2,000 TO 2600 feet BPL). The cores will be collected using a 4-inch diameter core bit and 20-foot core barrel. Core intervals were determined by the Site Geologist based on geophysical logs and cuttings analysis. All cores were stored on site in wooden boxes marked with the depth from which they were collected until all the cores were collected from the well. Selected samples were delivered to Ardaman & Associates for analysis. Testing in the laboratory included determination of vertical and horizontal hydraulic conductivity, porosity and specific gravity. The results of laboratory testing are summarized in the table below.

Depth (ft) BPL	K vertical (cm/sec)	K horizontal (cm/sec)
2054	4.7e-10	3.3e-9
2112	in progress	in progress
2167	9.3e-6	1.3e-5
2211	5.5e-5	5.2e-5
2262	2.1e-8	1.9e-5
2326	5.4e-8	7.1e-8
2390	1.3e-4	2.0e-4
2424	6.9e-10	in progress
2502	9.1e-5	1.4e-4
2585	3.5e-6	4.0e-6
2592	1.7e-5	4.8e-7

Final laboratory test results will be reported in the final report. Arrangements have been made to transfer the remaining conventional cores to the Florida Geological Survey.

4.5 Straddle-Packer Testing

The straddle-packer tests were performed to isolate selected portions of the borehole for testing to determine hydraulic characteristics and to collect representative groundwater samples. Five tests were conducted around the base of the USDW to collect water samples from the tested intervals and five packer tests were conducted in the confining sequence to measure the hyrologic characteristics of the tested intervals. The results of packer tests were discussed in detail in the final casing report submitted in October. The results of the packer tests are summarized in the table below.

Three additional (3) straddle packer tests will be conducted in the dual Zone Monitor Well. A straddle packer test will be conducted in each proposed monitor zone interval and a test will be designed to isolate the base of the lowermost USDW.

USDW Straddle Packer Tests						
Test No.	Date	Depth Interval Tested	Q gpm	Pumping K (cm/sec)	Pumping T (cm^2/sec)	TDS mg/L
1	4/22/08	1898-1922	21	1.1×10^{-4}	7.8×10^{-2}	24,400
2	4/23/08	1858-1882	35	4.1×10^{-3}	3.0	22,300
3	4/24/08	1818-1842	71	1.2×10^{-3}	0.85	20,100
4	4/25/08	1774-1798	40	2.1×10^{-4}	0.15	12,544
5	4/26/08	1746-1770	22	2.0×10^{-6}		7,415

Confinement Straddle Packer Tests					
Test No.	Date	Depth Interval Tested	Q gpm	Pumping K (cm/sec)	Pumping T (cm^2/sec)
C1	9/02/08	2324-2342	0	3.8×10^{-10}	2.0×10^{-7}
C2	9/03/08	2608-2626	1	3.6×10^{-6}	2.0×10^{-3}
C3	9/06/08	2706-2724	15	1.1×10^{-4}	4×10^{-11}
C4	9/07/08	2480-2497	4.3	6.2×10^{-5}	3.2×10^{-2}
C5	9/07/08	2206-2223	32	2.1×10^{-4}	0.11

4.6 Mechanical Integrity Tests

The purpose of the MIT is to demonstrate (in accordance with requirements set forth in Chapter 62-528 FAC) that the OLI injection well tubing and casing are intact, with no holes or leaks. The MIT is also conducted to demonstrate that injected effluent will not migrate vertically upward from the permitted injection zone via channels or conduits outside the injection casing or tubing.

The MIT will consist of a pressure test on the injection tubing annulus, radioactive tracer surveys (RTS), temperature logging and video survey. The pressure test will demonstrate that the inner tubing is intact with no holes or leaks. The temperature log will demonstrate that there are no channels or vertical conduits outside the injection tubing. The MIT will be initiated during daylight hours, Monday through Friday. The FDEP will be notified prior to conducting the MIT so that a representative has sufficient time to arrive on site to witness the tests.

4.6.1 Television Surveys

Television surveys have already been completed in the open hole prior to installation of the intermediate and final casing strings. Copies of the television surveys have been submitted to the FDEP attached to the casing point reports. Television surveys will be conducted in both the 16-inch final injection casing and the 10 $^{3}/_{8}$-inch FRP injection tubing. The television surveys will be in color and the geophysical logging Contractor will be required to furnish a video with sufficient clarity acceptable to the L.S. Sims & Associates and the FDEP. The color television camera will have a rotating side-hole viewer and must be equipped with centralizers to ensure the camera remains centralized over the entire length of the well. Prior to running the video survey, water will be pumped into the well through a stripperhead assembly. The water supply line to the stripperhead will be equipped with a check valve to prevent backflow from the well. A minimum of three casing volumes of water will be pumped into the well to provide clarity for the survey.

4.6.2 Pressure Tests

Casing pressure tests will be conducted on the 16-inch NPS injection casing and the 10 $^{3}/_{8}$-inch FRP injection tubing annulus. The 16-inch injection casing will be pressure tested after cementing and prior to drilling out the cement plug. The pressure test on the injection tubing annulus will be conducted after the 10 $^{3}/_{8}$-inch FRP injection tubing is installed and the annulus is sealed with a landing flange at the surface.

The tests will be conducted after completely filling the casing and annulus with water. They will then be placed under an initial pressure of 100 PSI (>1.5 x maximum anticipated injection pressure) as read from a calibrated pressure gauge located on the wellhead. The gauge will be sensitive enough to accurately measure pressure test variations of five percent in increments of 0.25 PSI or less. The Contractor will submit certification documenting the date and place of pressure gauge calibration prior to conducting the pressure tests. During the pressure tests, a wellhead pressure of 100 PSI will be maintained for a period of one (1) hour with less than five percent pressure change. During the pressure tests, the wellhead pressure will be recorded every five minutes for 65 minutes. After successful completion of the pressure tests, the Contractor will depressurize the injection casing and annulus and record the volume of water that is discharged.

4.6.3 Radioactive Tracer Survey and Temperature Log

RTS and temperature logging will be conducted after the injection tubing annulus has been pressure tested. A qualified geophysical logging company licensed to handle radioactive materials in the State of Florida will conduct the tests. The temperature logging will be run from the bottom of the well (approximately 3,506 feet BLS) to land surface.

Background gamma logs and a caliper log will be run from the bottom of the well to land surface as part of the tracer surveys. The background gamma logging will be conducted within 24 hours, prior to initiating the RTS.

5.0 PROJECT MANAGEMENT

The drilling and testing programs in the exploratory injection well and the dual zone deep monitor well have been designed to collect lithologic data, water quality data and formation hydraulic parameters through cuttings analysis, core analysis and, straddle-packer tests. This information is used to demonstrate that the OLI injection well system will operate in compliance with Chapter 62-528 FAC and to support a request for operational testing of the system.

During all phases of this project, there will be frequent communications with the FDEP and Technical Advisory Committee (TAC) as required by the construction permit. A Site Geologist will provide continuous monitoring of the drilling activities during all phases of construction. Activity reports will be made on a daily basis, and along with a weekly summary prepared by the Project Manager, distributed to the individual TAC members. Typical responsibilities of the Site Geologist are lithologic descriptions, core sampling depth descriptions, water sample collection and analysis, observation of drilling operations (i.e., rate, mud additives, depths, cementing), geophysical log analysis and all drilling specification-related activities.

5.1 TAC Meetings and Submittals

TAC meetings may be scheduled during construction at significant milestones or as specified in the construction permit. Several submittals have already been made for this project including the following:

1. The survey data including pad elevations at the proposed injection well and dual zone monitor well locations, top of casing elevations for the pad monitor wells.
2. A construction schedule.
3. Water quality analytical data for the pad monitor wells.
4. Well construction completion reports for the pad monitor wells.
5. A revised set of Contract Documents including any revisions to the technical specifications as requested by FDEP, a copy of the responses to FDEP requests for additional information and a copy of the Exploratory/Injection Well Construction Permit.

6. The name and location of the disposal site for all wastes generated during well construction.
7. Phase I Exploratory Drilling Test Results including the Intermediate Casing setting depth request for the Exploratory Well.
8. Cementing Program for the Intermediate Casing in the injection well including cement volumes, number of stages and caliper logs of the nominal 36-inch reamed hole.
9. Injection Casing and Injection Tubing setting depth requests for the Class I Injection Well based on a Demonstration of Confinement.
10. Cementing Program for the 16-inch injection casing including cement volumes, number of stages and caliper logs of the nominal 30-inch reamed hole.

The following documents include a list of anticipated submittals that remain for this project:

1. Results of Dual Zone Monitor Well drilling and testing including Monitor Zone selection and casing setting depth requests.
2. Cementing Program for the Dual Zone Monitor Well 16 NPS casing and FRP Tubing including cement volumes, number of stages and caliper logs of the nominal 24-inch reamed hole.
3. Request for approval of Short term injection testing.

The casing seat requests will include technical justification based on lithologic logs, geophysical logs, straddle packer test data, water quality test data, monitor zone delineation, drilling data, USDW delineation and formation evaluation.

The request for short term injection testing approval will include technical justification based on cement bond logs, temperature logs of each cement lift, theoretical versus actual cement volume calculations, final down-hole TV survey, effluent water quality analysis and mechanical integrity test results. The request will include planned injection test procedures and certification of mechanical integrity. Prior to the request, all weekly progress reports will be submitted to the TAC.

The request for monitor zone approval will include technical justification based on delineation of the USDW, confining bed delineation, water quality data from the proposed monitor zones, TV survey, transmissivity or specific capacity of the proposed monitor zones and straddle packer test data.

5.2 Reporting

All reports will be submitted to the TAC. All reports will be prepared and submitted in accordance with the FDEP Exploratory/Class I Injection Well Construction Permit issued to OLI for this project. The following reports will be submitted as necessary:

1. The TAC and other applicable agencies will be notified of any unusual or abnormal events that may occur during the construction project including

noncompliance with permit conditions, spill events and drilling difficulties. Oral reports will be made within 24 hours of any abnormal event or incident. A written report describing the details of the event will be submitted within 5 days following the incident.

2. The TAC will be notified at least 72 hours prior to testing for mechanical integrity. The MIT will be scheduled during normal business hours Monday through Friday.

3. Weekly progress reports will be submitted within 7 days following the week of record. The reports will include the following information:

    - A cover letter summarizing the driller's and Site Geologists daily logs along with a projection of work activities for the next reporting period.
    - Copies of the daily reports including detailed descriptions of all drilling progress, cementing, testing, logging, casing installation, and data interpretations.
    - Lithologic logs, geophysical logs, water quality test data and data interpretations with certified evaluations.
    - An interpretation of all test results collected up to and including the week of record.
    - Detailed descriptions of any unusual construction related events.
    - Weekly water quality test results for samples collected from the pad monitor wells.
    - Descriptions of the formations encountered during drilling.
    - Details of cementing operations including cement slurry composition, laboratory analysis of dry cement composition for neat cement lift at each casing shoe, specific gravity, pumping rate, cement volume, theoretical fill depth, actual tag depth, percent fill and an explanation for differences in theoretical versus actual fill.

5.3 Operational Testing Request

After all construction and testing is completed and the FDEP has issued the Class I Injection Well Construction and Testing Permit, a request to begin Operational Testing of the OLI Class I Injection Well System will be submitted to the TAC. In accordance with Chapter 62-528 FAC the request will include the following information:

1. Certification of completion of well construction and well construction drawings including a geologic cross section depicting the formations, the base of the USDW and the boundaries of the confining and injection zone intervals.

2. Data from the short term injection testing with interpretation, conducted pursuant to Rules 62 528.405(3)(a), 62 .528.410(7)(e) and 62 528.450(3)(a) 2., F.A.C.

3. A copy of the borehole television/imaging survey with interpretation.

4. Lithologic and geophysical logs and interpretations.

5. Certification of mechanical integrity and interpretation of the test data.

6. A description of the injection procedures including the anticipated maximum pressure and flow rate at which the well will be operated under normal and emergency conditions.

7. Information concerning the compatibility of the injected waste with fluids and minerals in the receiving zone.

8. Surface equipment (including pumping station, piping, pressure gauges and flow meters and all appurtenances) completion certified by the engineer of record. Calibration certificates for pressure gauges and flow meters shall also be submitted.

9. Signed and sealed record "as-built" engineering drawings of the injection well system, including all well construction, the pump station, subsurface and surface piping and equipment and appurtenances. These drawings shall include the location of sampling points for injectate and the dual monitor zone samples.

10. Draft operating and maintenance manual, including a description of water hammer control, with emergency discharge management plan procedures. The emergency discharge system must be fully constructed and operational prior to approval of operational testing.

11. The demonstration of confinement. Confirmation of confinement and delineation of the injection and confining sequences utilizing data collected during the drilling, logging and testing of the injection well and dual zone monitor well. The report shall include the results of hydraulic testing (permeability, porosity, etc.). This submittal shall be prepared, signed and sealed by a Florida Registered Professional Geologist or appropriately experienced Professional Engineer.

12. Wastestream analysis, sampled within 6 months of the request to operate the well, for primary and secondary drinking water standards (62-550, F.A.C.) and minimum criteria.

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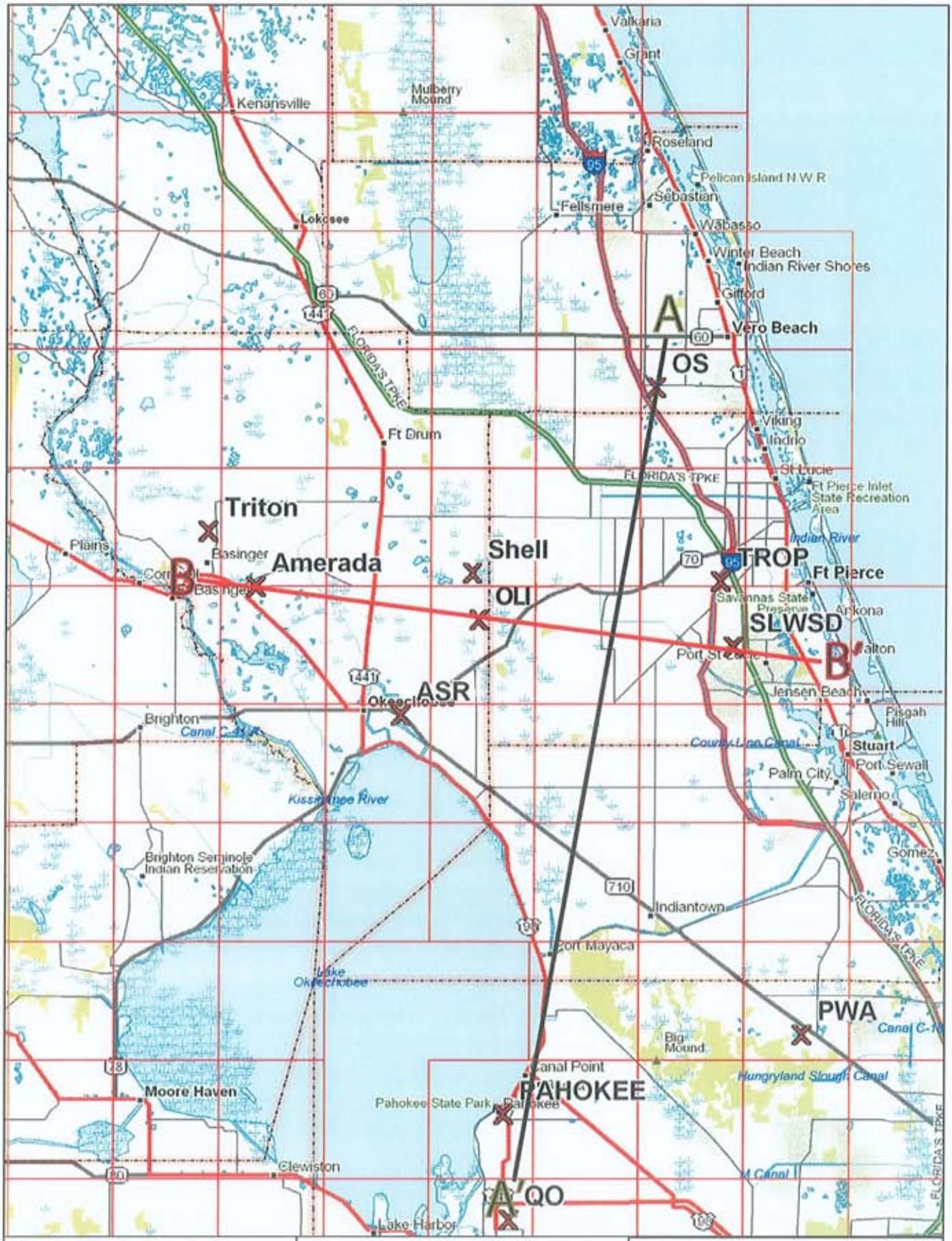

Valkaria
Grant
Kenansville
Mulberry Mound
Roseland
Pelican Island N.W.R.
Sebastian
Fellsmere
Lokosee
Wabasso
Winter Beach
Indian River Shores
Gifford
A
Vero Beach
OS
FLORIDA'S TPKE
Ft Drum
Viking
Indrio
St Lucie
Ft Pierce Inlet State Recreation Area
Triton
Plains
Basinger
Amerada
Shell
TROP
Ft Pierce
Indian River
B
OLI
Savannas State Preserve
Arcadia
SLWSD
Port St Lucie
Fulton
B'
ASR
Okeechobee
Jensen Beach
Brighton
Canal C-41A
Pisgah Hill
County Line Canal
Stuart
Port Sewall
Palm City
Salerno
Kissimmee River
Gomez
Brighton Seminole Indian Reservation
Indiantown
Lake Okeechobee
Port Mayaca
PWA
Canal C-1
Big Mound
Canal Point
Hungryland Slough Canal
Moore Haven
PAHOKEE
Pahokee State Park
Pahokee
Clewiston
A'
QO
Lake Harbor
L.S. SIMS & ASSOCIATES
Environmental Consulting
FIGURE 1
OKEECHOBEE LANDFILL, INC.(OLI)
SITE LOCATION MAP
OKEECHOBEE, FLORIDA
Scale 1 : 600 000
1" = 9.47 mi

SCALE
0 FT 100 FT 200 FT

N

W.E. 51.5

W.E. 51.7

W.E. 53.4

W.E. 52.4

W.E. 52.8

TIRES

TIRES

INJECTION WELL FACILITY

REV. NO.	DATE	DESCRIPTION
REV B	DATE	DESCRB1
	REVIEW	DESCRB2
REV A	DATE	DESCRA1
	REVIEW	DESCRA2

DESIGN	REM	SCALE	AS NOTED
DRAWN BY	REM	DATE	3/26/2008
CHK'D. BY	CHECKED	ENGR. APPR.	APPR

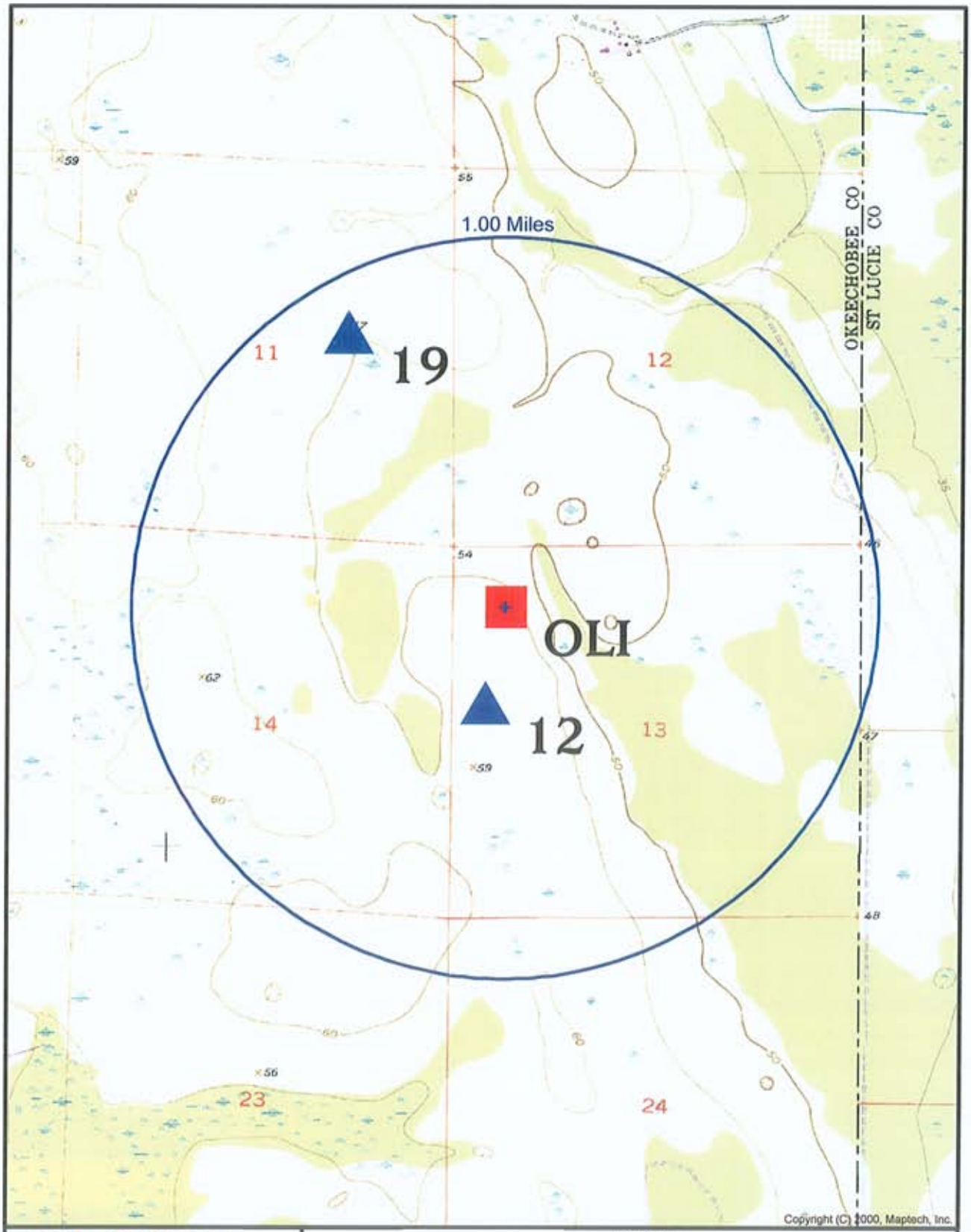
DRAWING TITLE
FIGURE 2
OLI LEACHATE DISPOSAL
INJECTION WELL - FACILITY SITE PLAN

AREA | JOB NO.

D | DWG. NO. | REV.

ROGER E. MAYFIELD, P.E.
FL #46093
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

L.S. SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING



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Environmental Consulting

FIGURE 3
OKEECHOBEE LANDFILL, INC.
WELL INVENTORY MAP
OKEECHOBEE, FLORIDA

A

A'

12.31 miles*

4.26 miles*

1.89 miles*

7.58 miles*

16.10 miles*

9.47 miles*

FEET NGVD

+ 50
0
- 400
- 800
- 1200
- 1600
2000
- 2400
- 2800
- 3200
- 3600
- 4000

OCEAN SPRAY

TROP

SLWSD

OL1

ASR

PWA

PAHOKEE

UNDIFFERENTIATED DEPOSITS

HAWTHORN GROUP

OCALA LIMESTONE

AVON PARK FORMATION

BASE USDW - 10,000 MG/L TDS

INJECTION ZONE

OLDSMAR FORMATION

CEDAR KEYS FORMATION

LEGEND

SAND

SHELL

PHOSPHATE

LIMESTONE

DOLOSTONE

CHERT

CLAY/ DOLOSILT

INTERBEDDED DOLOMITE & LIMESTONE

DOLOMITE W/ ANHYDRITE

*Distances are between well location as projected onto the A-A' cross section line. Actual distances are greater.

L.S. SIMS & ASSOCIATES
Environmental Consulting

FIGURE 4
HYDROGEOLOGIC CROSS SECTION A-A'
OKEECHOBEE LANDFILL, INC.
OKEECHOBEE, FLORIDA

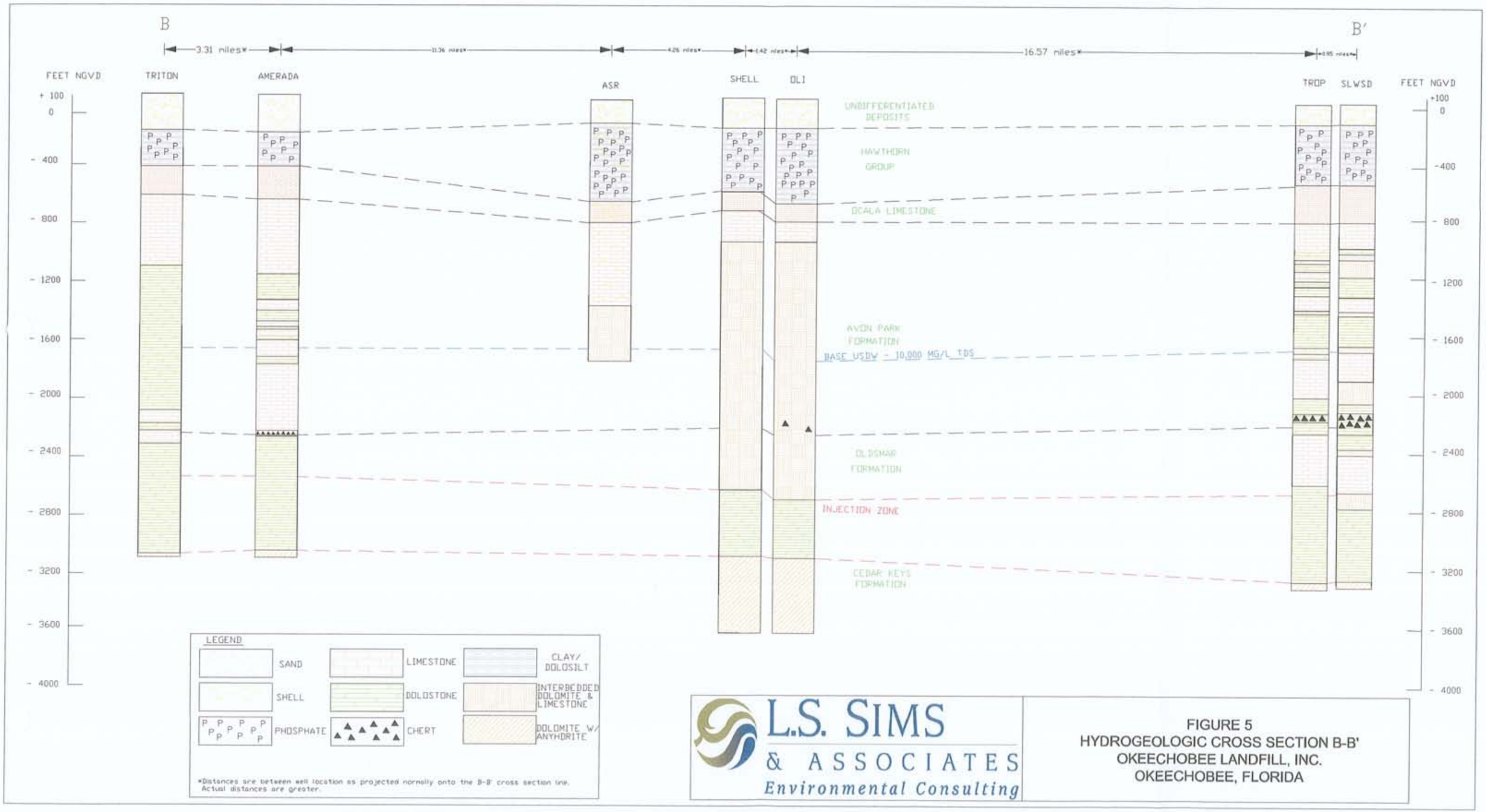

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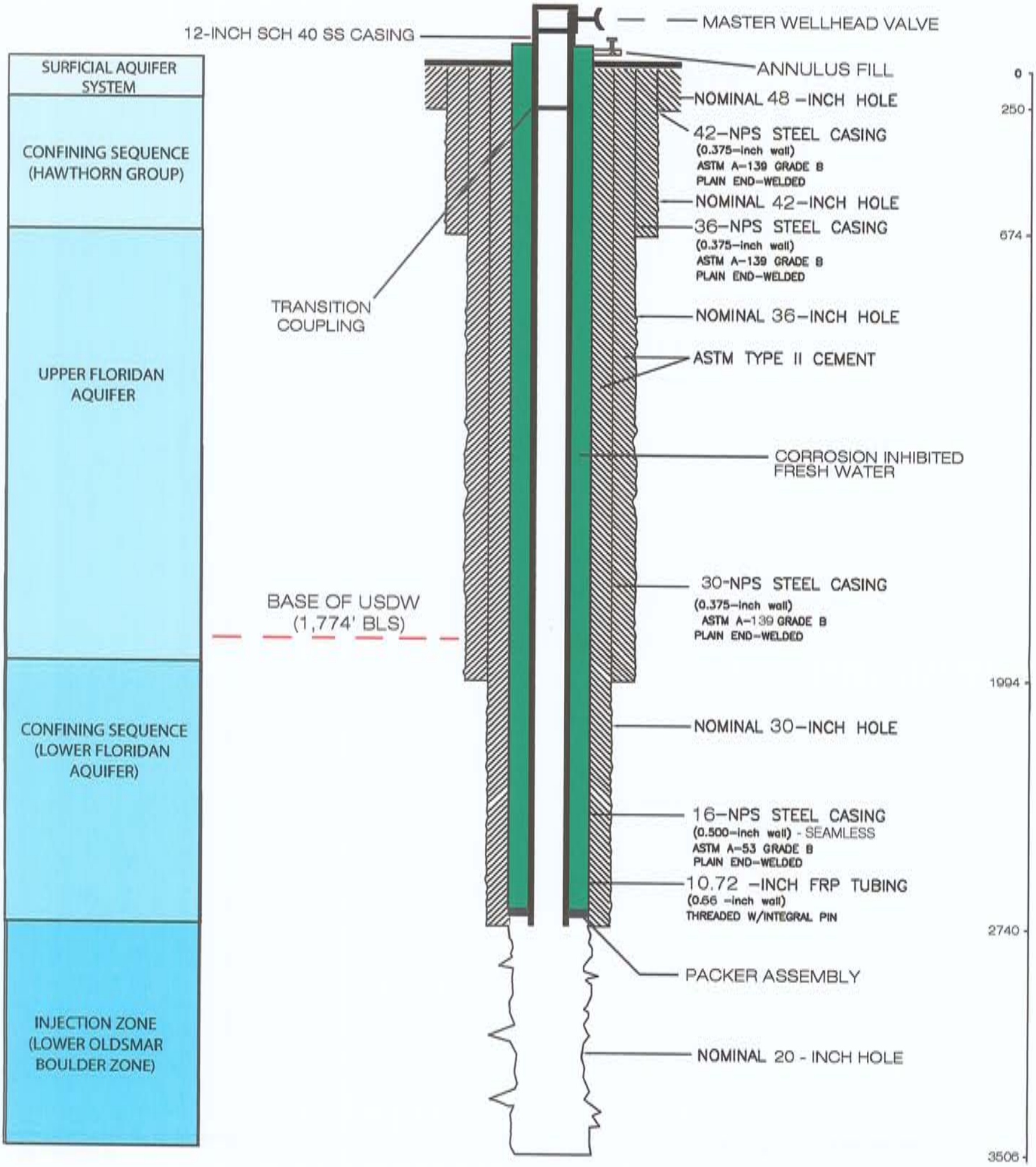
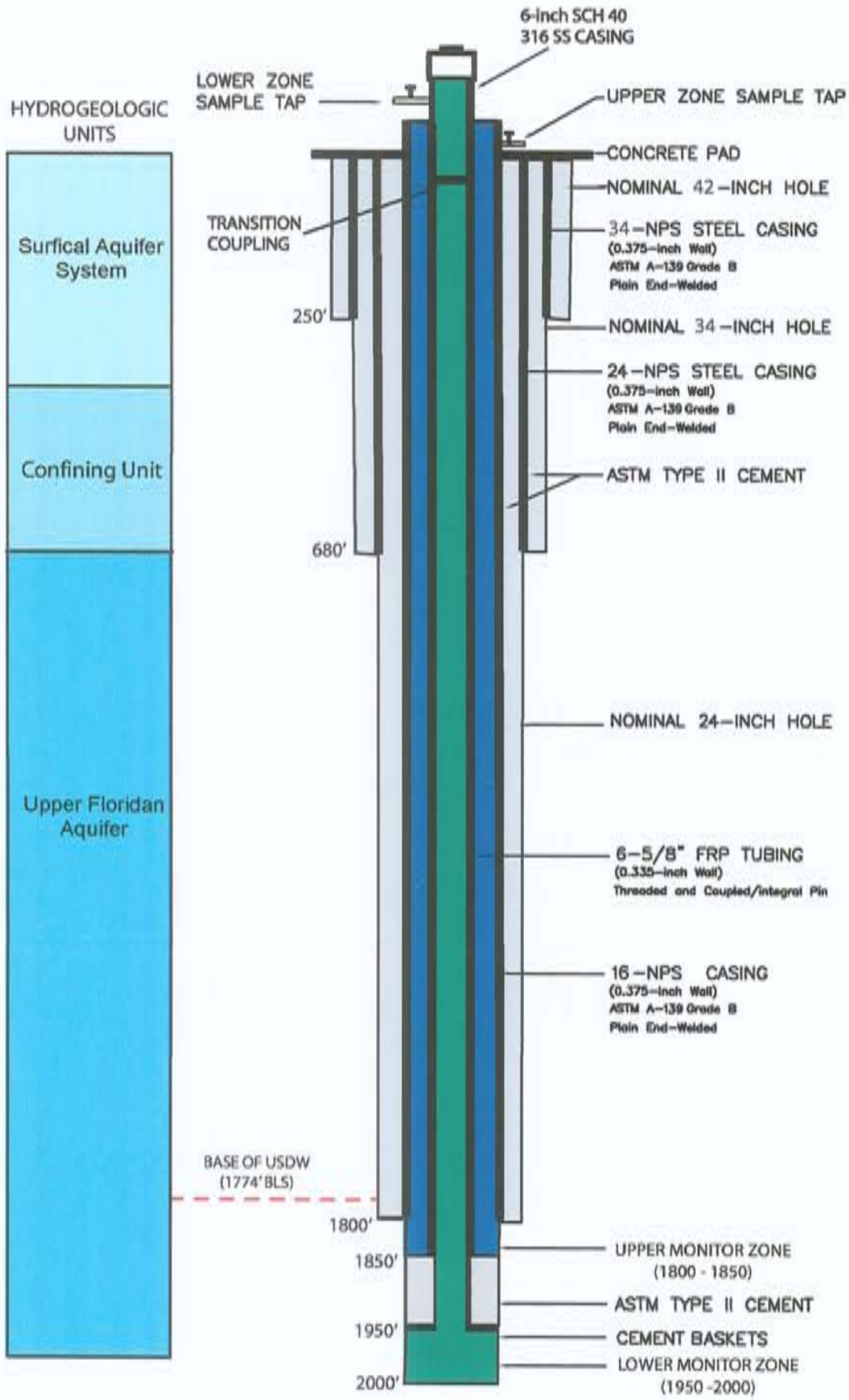
FIGURE 5
HYDROGEOLOGIC CROSS SECTION B-B'
OKEECHOBEE LANDFILL, INC.
OKEECHOBEE, FLORIDA



NOT TO SCALE

L.S.SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING

FIGURE 6
CLASS 1 INJECTION WELL CONSTRUCTION DETAILS
OKEECHOBEE LANDFILL, INC.
OKEECHOBEE, FLORIDA



NOT TO SCALE

L.S. SIMS & ASSOCIATES
Environmental Consulting

FIGURE 7
DUAL ZONE MONIOTOR WELL CONSTRUTION DETAILS
OKEECHOBEE LANDFILL, INC.
OKEECHOBEE, FLORIDA

SCALE
0 FT 30 FT 60 FT

N

CURBED CONTAINMENT PAD FOR UNLOADING TANKER TRUCKS

LEACHATE GRIT REMOVAL SUMP

LEACHATE SUMP PUMPS (ONE FUTURE)

FOUL AIR BLOWERS

ELECTRICAL & CONTROL BUILDING

TANKER TRUCK ACCESS

WELL SLAB ACCESS

INJECTION WELL FEED PUMPS (ONE FUTURE)

STORMWATER SUMP

INJECTION WELL

DUAL ZONE MONITOR WELL

WELL CONTAINMENT SLAB W/ CURB

REV. NO.	DATE	REV. BY	DESCRIPTION
REVB	DATEB	REVBYB	DESCRB2
	DATEB		DESCRB1
REVA	DATEA		DESCRA1
			DESCRA2

DESIGN	REN	SCALE	AS NOTED
DRAWN BY	REN	DATE	3/26/2008
CHK'D. BY	CHECKED	ENGR. APPR.	APPR

DRAWING TITLE
FIGURE 8
OLI LEACHATE DISPOSAL
INJECTION WELL FACILITY LAYOUT

AREA | JOB NO.

D | DWG. NO. | REV.

ROGER E. MAYFIELD, P.E.
FL #46092
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

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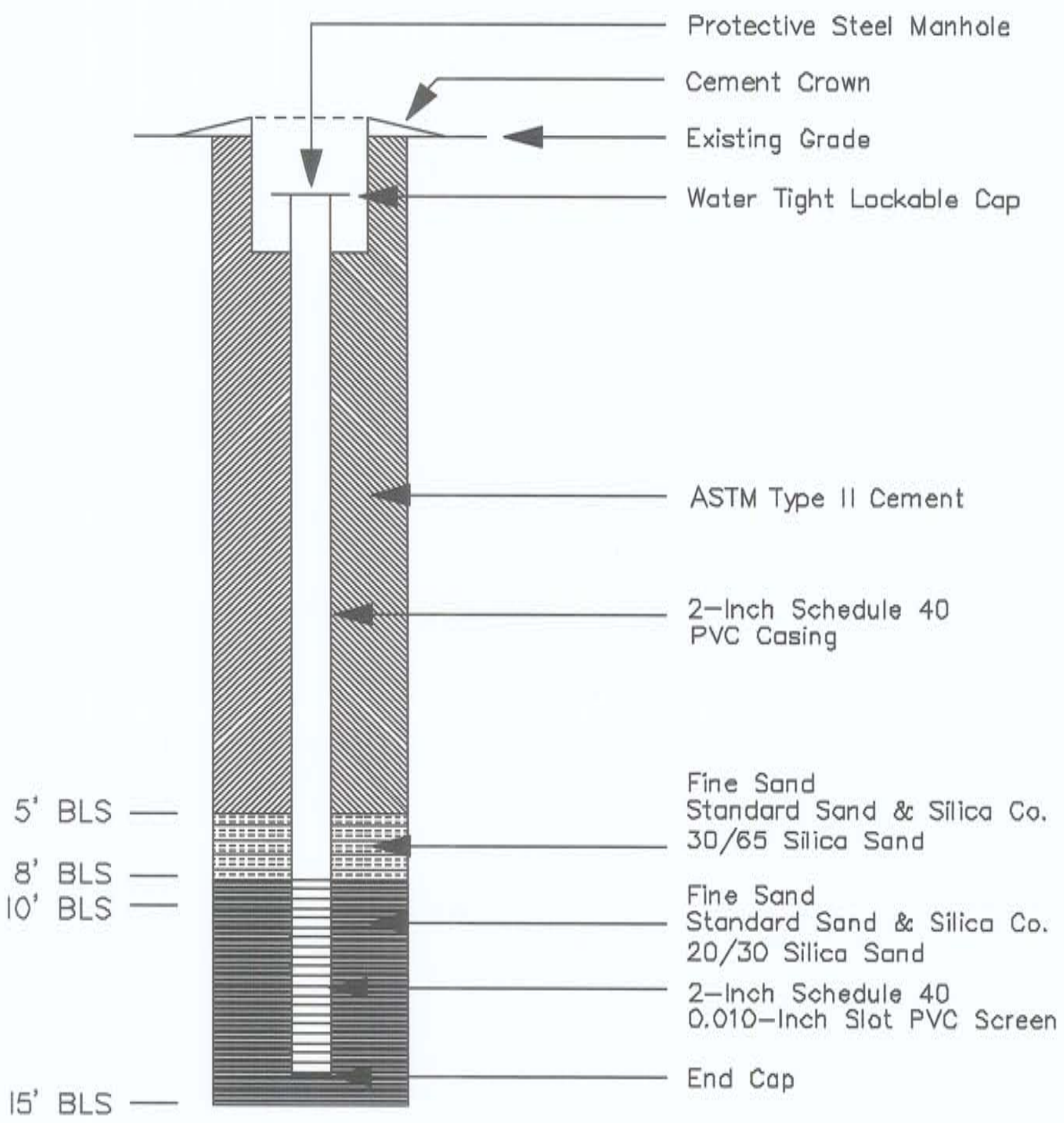
ENVIRONMENTAL CONSULTING



BLS = BELOW LAND SURFACE

NOTE: NOT TO SCALE

L.S. SIMS & ASSOCIATES
Environmental Consulting

FIGURE 9
TYPICAL WELL CONSTRUCTION DIAGRAM
SHALLOW DRILL PAD MONITORING WELLS
OKEECHOBEE LANDFILL, INC.
OKEECHOBEE, FLORIDA

Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road,
Tallahassee, Florida 32399-2400

DEP Form No:	62-528.900(1)
Form Title:	Application to Construct/ Operate/Abandon Class I, III, or V Injection Well Systems
Effective Date:	
DEP Application No.:	(Filled in by DEP)

APPLICATION TO CONSTRUCT/OPERATE/ABANDON
CLASS I, III, OR V INJECTION WELL SYSTEMS

Part I. Directions

A. All applicable items must be completed in full in order to avoid delay in processing this application. Where attached sheets or other technical documentation are utilized in lieu of the blank space provided, indicate appropriate cross-reference in the space and provide copies to the Department in accordance with C. below. Where certain items do not appear applicable to the project, indicate N/A in the appropriate spaces.

B. All information is to be typed or printed in ink.

C. Four (4) copies of this application and four (4) copies of supporting information such as plans, reports, drawings and other documents shall be submitted to the appropriate District/Subdistrict office. An engineering report is also required to be submitted to support this application pursuant to the applicable sections of Rule 62-528, F.A.C. The attached list* shall be used to determine completeness of supporting data submitted or previously received. A check for the application fee in accordance with Rule 62-4.050, F.A.C., made payable to the Department shall accompany the application.

D. For projects involving construction, this application is to be accompanied by four (4) sets of engineering drawings, specifications and design data as prepared by a Professional Engineer registered in Florida, where required by Chapter 471, Florida Statutes.

E. Attach 8 1/2" x 11" USGS site location map indicating township, range and section and latitude/longitude for the project.

PART II. General Information

A. Applicant Name Tim Hawkins Title Area Vice President .

Address 2700 NW 48th Street

City Pompano Beach State Florida Zip 33073

Telephone Number (954) 984-2035

B. Project Status: ☒ New ☐ Existing

☐ Modification (specify) _____

*"Engineering and Hydrogeologic Data Required for Support of Application to Construct, Operate and Abandon Class I, III, or V Injection Wells"

C. Well Type: ☐ Exploratory Well ☒ Test/Injection Well

D. Type of Permit Application

- ☒ Class I Test/Injection Well Construction and Testing Permit
- ☐ Class I Well Operation Permit
- ☐ Class I Well Operation Repermitting
- ☐ Class I Well Plugging and Abandonment Permit
- ☐ Class III Well Construction/Operation/Plugging and Abandonment Permit
- ☐ Class I Exploratory Well Construction and testing Permit
- ☐ Class V Well Construction Permit
- ☐ Class V Well Operation Permit
- ☐ Class V Well Plugging and Abandonment Permit
- ☐ Monitor Well Only

E. Facility Identification:

Name Okeechobee Landfill, Inc.

Facility Location: Street 10800 NE 128th Avenue

City Okeechobee County Okeechobee

SIC Code(s) 495303

F. Proposed facility located on Indian Lands: Yes ☐ No ☒

G. Well Identification:

Well No. 1 of 1 Wells
(total #)

Purpose (Proposed Use) Disposal of landfill leachate

Well Location: Latitude: N27° 20′ 21″ Longitude: W80° 41′ 34″
(attach separate sheet(s), if necessary, for multiple wells)

Subpart B. General Project Description:

H. General Project Description: Describe the nature, extent and schedule of the injection well project. Refer to existing and/or future pollution control facilities, expected improvement in performance of the facilities and state whether the project will result in full compliance with the requirements of Chapter 403, F.S., and all rules of the Department. Attach additional sheet(s) if necessary or cross-reference the engineering report.

- Convert Exploratory Well to Test/Injection well, See Construction & Testing Permit Application Support Document, L.S. Sims & Associates, Inc., October, 2008

PART III. Statement by Applicant and Engineer

A. Applicant

I, the owner/Authorized representative* of Okeechobee Landfill, Inc. certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I understand that this certification also applies to all subsequent reports submitted pursuant to this permit. Where construction is involved, I agree to retain the design engineer, or other professional engineer registered in Florida, to provide inspection of construction in accordance with Rule 62-528.455(1)(c), F.A.C.

Signed

10-17-08
Date

Tim Hawkins, ~~Pres~~ Vice President
Name and Title (Please Type)

(954) 984-2035
Telephone Number

*Attach a Letter of Authorization.

B. Professional Engineer Registered in Florida

This is to certify that the engineering features of this injection well have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgement, that the well, when properly maintained and operated, will discharge the effluent in compliance with all applicable statutes of the State of Florida and the rules of the Department. It is also agreed that the undersigned will furnish the applicant a set of instructions for proper maintenance and operation of the well.

11/4/08

(Please Affix Seal)

Signed

Roger E. Mayfield, P.E.
Name (Please Type)

REM Associates Inc.
Company Name (Please Type)

4270 Aloma Ave #124-165, Winter Park FL 32792
Mailing Address (Please Type)

Florida Registration No. 0046002 Date 11-4-08 Phone No. (407) 671-1717

DEP Form No:	62-528.900(1)
Form Title:	Application to Construct/ Operate/Abandon Class I, III, or V Injection Well Systems
Effective Date:	
DEP Application No.:	(Filled in by DEP)

ENGINEERING AND HYDROLOGIC DATA
REQUIRED FOR SUPPORT OF APPLICATION
TO CONSTRUCT, OPERATE, AND ABANDON
CLASS I, III, OR V INJECTION WELL SYSTEMS

The following information shall be provided for each type of permit application.

A. CLASS I TEST/INJECTION WELL CONSTRUCTION AND TESTING PERMIT

1. A map showing the location of the proposed injection wells of well field area for which a permit is sought and the applicable area of review. Within the area of review, the map must show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, public water systems, mines (surface and subsurface), quarries, water wells and other pertinent surface features including residences and roads. The map should also show faults, if known or suspected. Only information of public record and pertinent information known to the applicant is required to be included on this map.

2. A tabulation of data on all wells within the area of review which penetrate into the proposed injection zone, confining zone, or proposed monitoring zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of plugging and/or completion, and any additional information the Department may require.

3. Maps and cross sections indicating the general vertical and lateral limits within the area of review of all underground sources of drinking water, their position relative to the injection formation and the direction of water movement, where known, in each underground source of drinking water which may be affected by the proposed injection.

4. Maps and cross sections detailing the hydrology and geologic structures of the local area.

5. Generalized maps and cross sections illustrating the regional geologic setting.

6. Proposed operating data.

   (a) Average and maximum daily rate and volume of the fluid to be injected;

   (b) Average and maximum injection pressure; and,

   (c) Source and an analysis of the chemical, physical, radiological and biological characteristics of injection fluids.

7. Proposed formation testing program to obtain an analysis of the chemical, physical and radiological characteristics of and other information on the injection zone.

8. Proposed stimulation program.

9. Proposed injection procedure.

10. Engineering drawings of the surface and subsurface construction details of the system.

11. Contingency plans to cope with all shut-ins or well failures, so as to protect the quality of the waters of the State as defined in Rule 62-3 and 62-520, F.A.C., including alternate or emergency discharge provisions.

12. Plans (including maps) and proposed monitoring data to be reported for meeting the monitoring requirements in Rule 62-528.425, F.A.C.

13. For wells within the area of review which penetrate the injection zone but are not properly completed or plugged, the corrective action proposed to be taken under Rule 62-528.300(5), F.A.C.

14. Construction procedures including a cementing and casing program, logging procedures, deviation checks, proposed methods for isolating drilling fluids from surficial aquifers, proposed blowout protection (if necessary), and a drilling, testing and coring program.

15. A certification that the applicant has ensured, through a performance bond or other appropriate means, the resources necessary to close, plug or abandon the well as required by Rule 62-528.435(9), F.A.C.

B. CLASS I INJECTION WELL OPERATION PERMIT

1. A report shall be submitted with each application for a Class I Well operating permit, which shall include, but not be limited to, the following information:

   (a) Results of the information obtained under the construction permit described in A. CLASS I TEST/INJECTION WELL CONSTRUCTION AND TESTING PERMIT, including:

      (1) All available logging and testing program data and construction data on the well or well field;

      (2) A satisfactory demonstration of mechanical integrity for all new wells pursuant to Rule 62-528.300(6), F.A.C;

      (3) The actual operating data, including injection .pressures versus pumping rates where feasible, or the anticipated maximum pressure and flow rate at which the permittee will operate, if approved by the Department;

      (4) The actual injection procedure;

      (5) The compatibility of injected waste with fluids in the injection zone and minerals in both the injection zone and the confining zone; and,

      (6) The status of corrective action on defective wells in the area of review.

   (b) Record drawings, based upon inspections by the engineer or persons under his direct supervision, with all deviations noted;

   (c) Certification of completion submitted by the engineer of record;

   (d) If requested by the Department, operation manual including emergency procedures;

(e) Proposed monitoring program and data to be submitted;

(f) Proof that the existence of the well has been recorded on the surveyor's plan at the county courthouse; and,

(g) Proposed plugging and abandonment plan pursuant to Rule 62-528.435(2), F.A.C.

C. CLASS I WELL OPERATION REPERMITTING

1. An updated map showing the location of the injection wells or well field area for which a permit is sought and the applicable area of review. Within the area of review, the map must show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, public water systems, mines (surface and subsurface), quarries, water wells and other pertinent surface features including residences and roads. The map should also show faults, if known or suspected. Only information of pubic record and pertinent information known to the applicant is required to be included on this map.

2. A tabulation of data on all wells within the area of review which penetrate into the injection zone, confining zone, or monitoring zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of plugging and/or completion, and any additional information the Department may require.

3. Maps and cross sections indicating the general vertical and lateral limits within the area of review of all underground sources of drinking water, their position relative to the injection formation and the direction of water movement, where known, in each underground source of drinking water which may be affected by the injection.

4. Maps and cross sections detailing the hydrology and geologic structures of the local area.

5. Generalized maps and cross sections illustrating the regional geologic setting.

6. Contingency plans to cope with all shut-ins or well failures, so as to protect the quality of the waters of the State as defined in Rule 62-3 and 62-520, F.A.C., including alternate or emergency discharge provisions.

7. For wells within the area of review which penetrate the injection zone but are not properly completed or plugged, the corrective action proposed to be taken under Rule 62-528.300(5), F.A.C.

8. A certification that the applicant has ensured, through a performance bond or other appropriate means, the resources necessary to close, plug or abandon the well as required by Rule 62-528.435(9), F.A.C.

9. A report shall be submitted with each application for repermitting of Class I Well operation which shall include the following information:

   (a) All available logging and testing program data and construction data on the well or well field;

(b) A satisfactory demonstration of mechanical integrity for all wells pursuant to Rule 62-528.300(6), F.A.C.;

(c) The actual operating data, including injection pressures versus pumping rates where feasible, or the anticipated maximum pressure and flow rate at which the permittee will operate, if approved by the Department;

(d) The actual injection procedure;

(e) The compatibility of injected waste with fluids in the injection zone and minerals in both the injection zone and the confining zone;

(f) The status of corrective actin on defective wells in the area of review;

(g) Record drawings, based upon inspections by the engineer or persons under his direct supervision, with all deviations noted;

(h) Certification of completion submitted by the engineer of record;

(i) An updated operation manual including emergency procedures;

(j) Proposed revisions to the monitoring program or data to be submitted; and,

(k) Proposed plugging and abandonment plan pursuant to Rule 62-528.435(2), F.A.C.

D. CLASS I WELL PLUGGING AND ABANDONMENT PERMIT

1. The reasons for abandonment.

2. A proposed plan for plugging and abandonment describing the preferred and alternate methods, and justification for use.

   (a) The type and number of plugs to be used;

   (b) The placement of each plug including the elevation of the top and bottom;

   (c) The type and grade and quantity of cement or any other approved plugging material to be used; and,

   (d) The method for placement of the plugs.

3. The procedure to be used to meet the requirements of Rule 62-528.435, F.A.C.

E. CLASS III WELLS CONSTRUCTION/OPERATION/PLUGGING AND ABANDONMENT PERMIT

Construction Phase

1. A map showing the location of the proposed injection wells or well field area for which a permit is sought and the applicable area of review. Within the area of review, the map must show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, public water system, mines (surface and subsurface), quarries, water wells and other pertinent surface features including residences and roads. The map should also show faults, if known or suspected. Only information of public record and pertinent information known to the applicant is required to be included on this map.

2. A tabulation of data on all wells within the area of review which penetrate into the proposed injection zone, confining zone, or proposed monitoring zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of plugging and/or completion, and any additional information the Department may require.

3. Maps and cross sections indicating the general vertical and lateral limits within the area of review of all underground sources of drinking water, their position relative to the injection formation and the direction of water movement, where known, in each underground source of drinking water which may be affected by the proposed injection.

4. Maps and cross sections detailing the hydrology and geologic structures of the local area.

5. Generalized maps and cross sections illustrating the regional geologic setting.

6. Proposed operating data:

   (a) Average and maximum daily rate and volume of the fluid to be injected;

   (b) Average and maximum injection pressure; and,

   (c) Source and an analysis of the chemical, physical, radiological and biological characteristics of injection fluids, including any additives.

7. Proposed formation testing program to obtain an analysis of the chemical, physical and radiological characteristics of and other information on the injection zone.

8. Proposed stimulation program.

9. Proposed injection procedure.

10. Engineering drawings of the surface and subsurface construction details of the system.

11. Contingency plans to cope with all shut-ins or well failures or catastrophic collapse, so as to protect the quality of the waters of the State as defined in Rule 62-3 and 62-520, F.A.C., including alternate or emergency discharge provisions.

12. Plans (including maps) and proposed monitoring data to be reported for meeting the monitoring requirements in Rule 62-528.425, F.A.C.

13. For wells within the area of review which penetrate the injection zone but are not properly completed or plugged, the corrective action proposed to be taken under Rule 62-528.300(5), F.A.C.

14. Construction procedures including a cementing and casing program, logging procedures, deviation checks, proposed methods for isolating drilling fluids from surficial aquifers, and a drilling, testing and coring program.

15. A certificate that the applicant has ensured, through a performance bond or other appropriate means, the resources necessary to close, plug or abandon the well as required by Rule 62-528.435(9), F.A.C.

16. Expected changes in pressure, native fluid displacement, direction of movement of injection fluid.

17. A proposed monitoring plan, which includes a plan for detecting migration of fluids into underground sources of drinking water, a plan to detect water quality violation in the monitoring wells, and the proposed monitoring data to be submitted.

Operation Phase

1. The following information shall be provided to the Department prior to granting approval for the operation of the well or well field:

   (a) All available logging and testing program data and construction data on the well or well field;

   (b) A satisfactory demonstration of mechanical integrity for all new wells pursuant to Rule 62-528.300(6), F.A.C.;

   (c) The actual operating data, including injection pressure versus pumping rate where feasible, or the anticipated maximum pressure and flow rate at which the permittee will operate, if approved by the Department;

   (d) The results of the formation testing program;

   (e) The actual injection procedure; and,

   (f) The status of corrective action on defective wells in the area of review.

Plugging and abandonment Phase

1. The justification for abandonment.

2. A proposed plan for plugging and abandonment describing the preferred and alternate methods.

   (a) The type and number of plugs to be used;

   (b) The placement of each plug including the elevation of the top and bottom;

   (c) The type and grade and quantity of cement or any other approved plugging material to be used; and,

   (d) The method for placement of the plugs.

3. The procedure to be used to meet the requirements of Rule 62-528.435, F.A.C.

F. EXPLORATORY WELL CONSTRUCTION AND TESTING PERMIT

1. Conceptual plan of the injection project. Include number of injection wells, proposed injection zone, nature and volume of injection fluid, and proposed monitoring program.

2. Preliminary Area of Review Study. Include the proposed radius of the area of review with justification for that radius. Provide a map showing the location of the proposed injection well or well field area for which a permit is sought and the applicable area of review. Within the area of review, the map must show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, public water systems, mines (surface and subsurface), quarries, water wells and other pertinent surface features including residences and roads. The map should also show faults, if known or suspected. Only information of public record and pertinent information known to the applicant is required to be included on this map.

3. Proposed other uses of the exploratory well.

4. Drilling and testing plan for the exploratory well. The drilling plan must specify the proposed drilling program, sampling, coring, and testing procedures.

5. Abandonment Plan.

G. CLASS V WELL CONSTRUCTION PERMIT

(This form should be used for Class V Wells instead of Form 62-528.900(3), F.A.C., when there is a need for a Technical Advisory Committee and an engineering report.)

1. Type and number of proposed Class V Wells:

_____ Wells Receiving Domestic Waste

_____ Desalination Process Concentrate Wells (Reverse Osmosis, etc.)

_____ Aquifer Storage and Recovery Wells

_____ Aquifer Remediation Wells

_____ Salt-water Intrusion Barrier Wells

_____ Cooling Water Return Flow Wells Open-looped System

_____ Subsidence Control Wells

_____ Sand Backfill Wells

_____ Experimental Technology Wells

_____ Wells used to inject spent brine after halogen recovery

_____ Radioactive Waste Disposal Wells*

_____ Borehole Slurry Mining Wells

_____ Other non-hazardous Industrial or Commercial Disposal Wells

(explain) _____

_____ Other (explain) _____

*Provided the concentrations of the waste do not exceed drinking water standards contained in Chapter 62-550, F.A.C.

2. Project Description:

(a) Description and use of proposed injection system;

(b) Nature and volume of injected fluid (the Department may require an analysis including bacteriological analysis) in accordance with Rule 62-528.635(2)(b), F.A.C.; and,

(c) Proposed pretreatment.

3. Water well contractor's name, title, state license number, address, phone number and signature.

4. Well Design and Construction Details. (For multi-casing configurations or unusual construction provisions, an elevation drawing of the proposed well should be attached.)

   (a) Proposed total depth;

   (b) Proposed depth and type of casing(s);

   (c) Diameter of well;

   (d) Cement type, depth, thickness; and,

   (e) Injection pumps (if applicable): _____ gpm @ _____ psi

   Controls: _____

   _____

   _____

5. Water Supply Wells - When required by Rule 62-528.635(1), F.A.C., attach a map section showing the locations of all water supply wells within a one-half (1/2) mile radius of the proposed well. The well depths and casing depths should be included. When required by Rule 62-528.635(2), F.A.C., results of bacteriological examinations of water from all water supply wells within one-half (1/2) mile and drilled to approximate depth of proposed well should be attached.

6. Area of review (When required by Rule 62-528.300(4), F.A.C.)

   Include the proposed radius of the area of review with justification for that radius. Provide a map showing the location of the proposed injection well or well field area for which a permit is sought and the applicable area of review. Within the area of review, the map must show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, public water systems, mines (surface and subsurface), quarries, water wells and other pertinent surface features including residences and roads. The map should also show faults, if known or suspected. Only information of public record and pertinent information known to the applicant is required to be included on this map.

H. CLASS V WELL OPERATION PERMIT

(Final report of the construction that includes the following information may be submitted with the application to operate.)

1. Permit Number of Class V Construction Permit: _____

2. Owner's Name: _____

3. Type of Wells: _____

4. Construction and Testing Summary:

(a) Actual Dimensions:

Diameter (inches)	Well Depth (feet)	Casing Depth (feet)

(b) Result of Initial Testing

5. Proposed Operating Data:

(a) Injection Rate (GPM);

(b) Description of injected waste; and,

(c) Injection pressure and pump controls.

6. Proposed Monitoring Plan (if any):

(a) Number of monitoring wells;

(b) Depth(s);

(c) Parameters;

(d) Frequency of sampling; and,

(e) Instrumentation (if applicable) Flow _____

Pressure _____

I. CLASS V WELLS PLUGGING AND ABANDONMENT PERMIT

1. Permit number of Class V construction or operating permit.

2. Type of well.

3. Proposed plugging procedures, plans and specifications.

4. Reasons for abandonment.

J. MONITOR WELL PERMIT

This section should be used only when application is made for a monitor well only. If a monitor well is to be constructed under a Class I, III, or V injection well construction permit, it is necessary to fill in this section.

1. A site map showing the location of the proposed monitor wells for which a permit is sought. The map must be to scale and show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, water wells and other pertinent surface features including structures and roads.

2. Maps and cross sections indicating the general vertical and lateral limits within the area of review of all underground sources of drinking water, their position relative to the injection formation and the direction of water movement, where known, in each underground source of drinking water which may be affected by the proposed injection.

3. Maps and cross sections detailing the hydrology and geologic structures of the local area.

4. Generalized maps and cross sections illustrating the regional geologic setting.

5. Proposed formation testing program to obtain an anlysis of the chemical, physical and radiological characteristics of and other information on the monitor zone(s).

6. Proposed monitoring procedure.

7. Engineering drawings of the surface and subsurface construction details of the monitoring system.

8. Proposed monitoring data to be reported for meeting the monitoring requirements in Rule 62-528.425, F.A.C.

9. Construction procedures including a cementing and casing program, logging procedures, deviation checks, proposed methods for isolating drilling fluids from surficial aquifers, proposed blowout protection (if necessary), and a drilling, testing and coring program

10. Monitor Well Information:

☒ On-site ☒ Multizone ☐ Single-zone

☐ Regional ☐ Other (specify) _____

Proposed Monitoring Interval(s) 1600-1650, and 1800-1850

Distance and Direction From Associated Injection Well 100 feet east

WASTE MANAGEMENT

OKEECHOBEE LANDFILL INC.
LEACHATE DISPOSAL INJECTION WELL

PERMIT APPLICATION DRAWINGS
OCTOBER 31, 2008

GENERAL
G-1 IW SLAB – DIMENSIONAL PLAN

CIVIL
C-1 LEACHATE TRANSFER PIPELINE ROUTING

STRUCTRUAL
S-2 IW SLAB – STRUCTURAL PLAN
S-3 IW SLAB ELEVATION SCHEMATIC
S-9 LEACHATE PUMP STATION – STRUCTURAL PLAN & DETAILS

PIPING/MECHANICAL
P-1 WELLHEAD PIPING DETAIL
P-2 MW WELLHEAD PIPING DETAIL
P-3 LEACHATE PUMP STATION – PIPING PLAN
P-4 LEACHATE PUMP STATION – SECTION
P-5 INJECTION WELL PIPING PLAN
P-6 INJECTION WELL PIPING SECTION & DETAILS
P-7 ANNULUS VESSEL & STORMWATER PUMP STATION DETAILS

INSTRUMENTATION
I-1 PROCESS & INSTRUMENTATION DIAGRAM

ROGER E. MAYFIELD, P.E. FL #46092
REM ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION # 27397
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

L.S.SIMS & ASSOCIATES ENVIRONMENTAL CONSULTING

REV. NO.	BY
REVB	
REVA	
REVI	

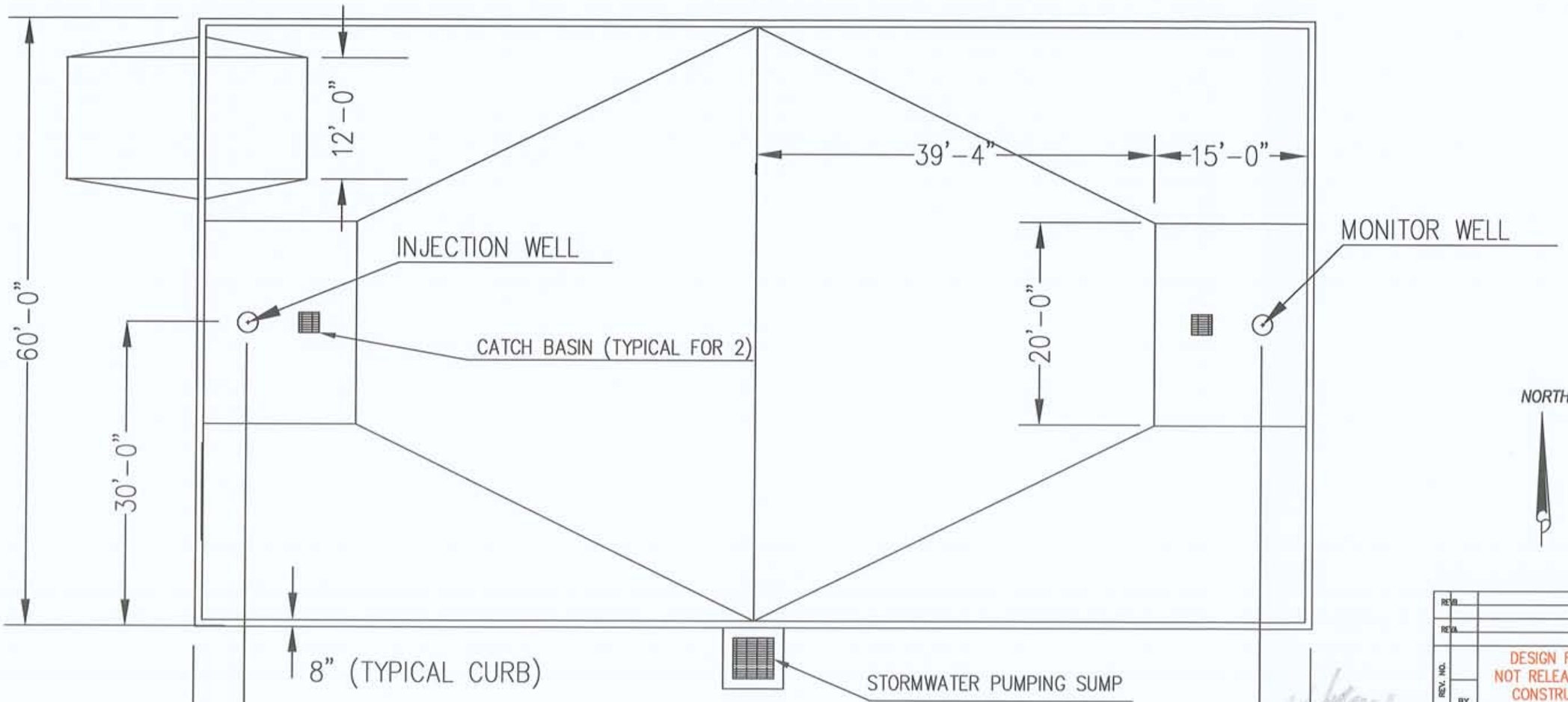
DESIGN	REM	SCALE	
DRAWN BY		DATE	8/15/08
CHK'D. BY	REM	ENGR. APPR.	REM

DRAWING TITLE
OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT

AREA	JOB NO.
D	DWG. NO. / REV. REV

0 FT 10 FT 20 FT 30 FT 40 FT

SCALE



NORTH

REV. NO.	BY	DESIGN REVIEW NOT RELEASED FOR CONSTRUCTION
REVB		
REVA		

DESIGN	REM	SCALE	
DRAWN BY		DATE	8/15/08
CHK'D. BY	REM	ENGR. APPR.	REM

DRAWING TITLE
OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT
IW SLAB – DIMENSIONAL PLAN

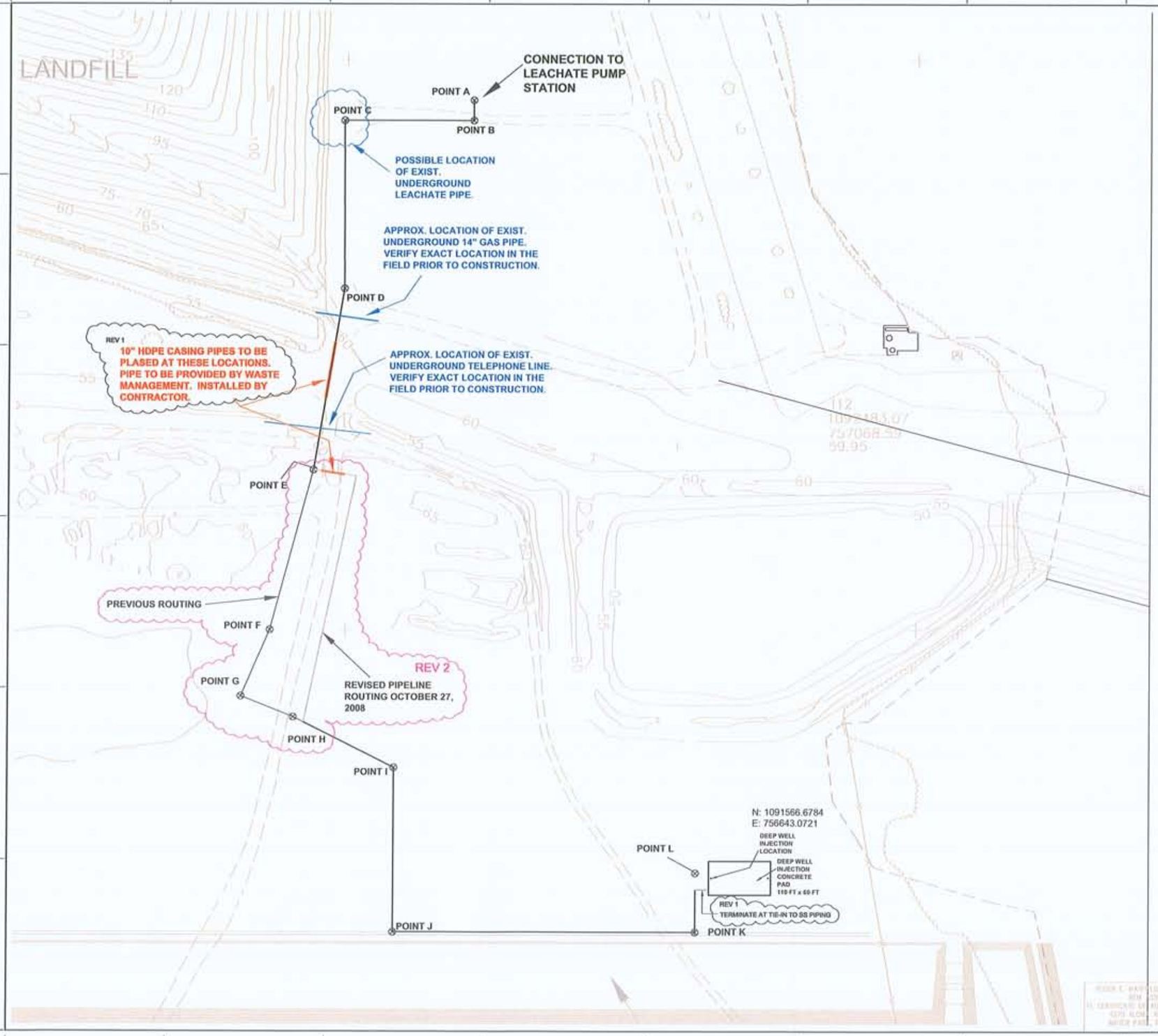
AREA | JOB NO.

D | DWG. NO. G-1 | REV. REV

ROGER E. MAYFIELD, P.E. FL #46092
REM ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION # 27307
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

L.S. SIMS & ASSOCIATES

11/3/08



LEACHATE PIPELINE STATIONING

POINT				
A	STA	0	+	0.0
B	STA	0	+	35.7
C	STA	2	+	61.7
D	STA	5	+	56.6
E	STA	8	+	78.8
F	STA	11	+	68.7
G	STA	12	+	95.2
H	STA	13	+	94.3
I	STA	15	+	92.3
J	STA	18	+	79.2
K	STA	24	+	7.5
L	STA	25	+	10.5

TOTAL LENGTH = 2,511 FT

CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND CONDUCT WORK TO AVOID THEM.

REV 2: REVISE PIPELINE ROUTING BASED ON 10-27-2008 MEETING

ISSUE CODE					
A PRELIMINARY	B DESIGN	C BIDS	D CONSTRUCTION	E APPROVAL	
DESIGN	REM	SCALE	NA		
DRAWN BY	REM	DATE	9/25/08		
CHK'D. BY		ENGR. APPR.	APPR		

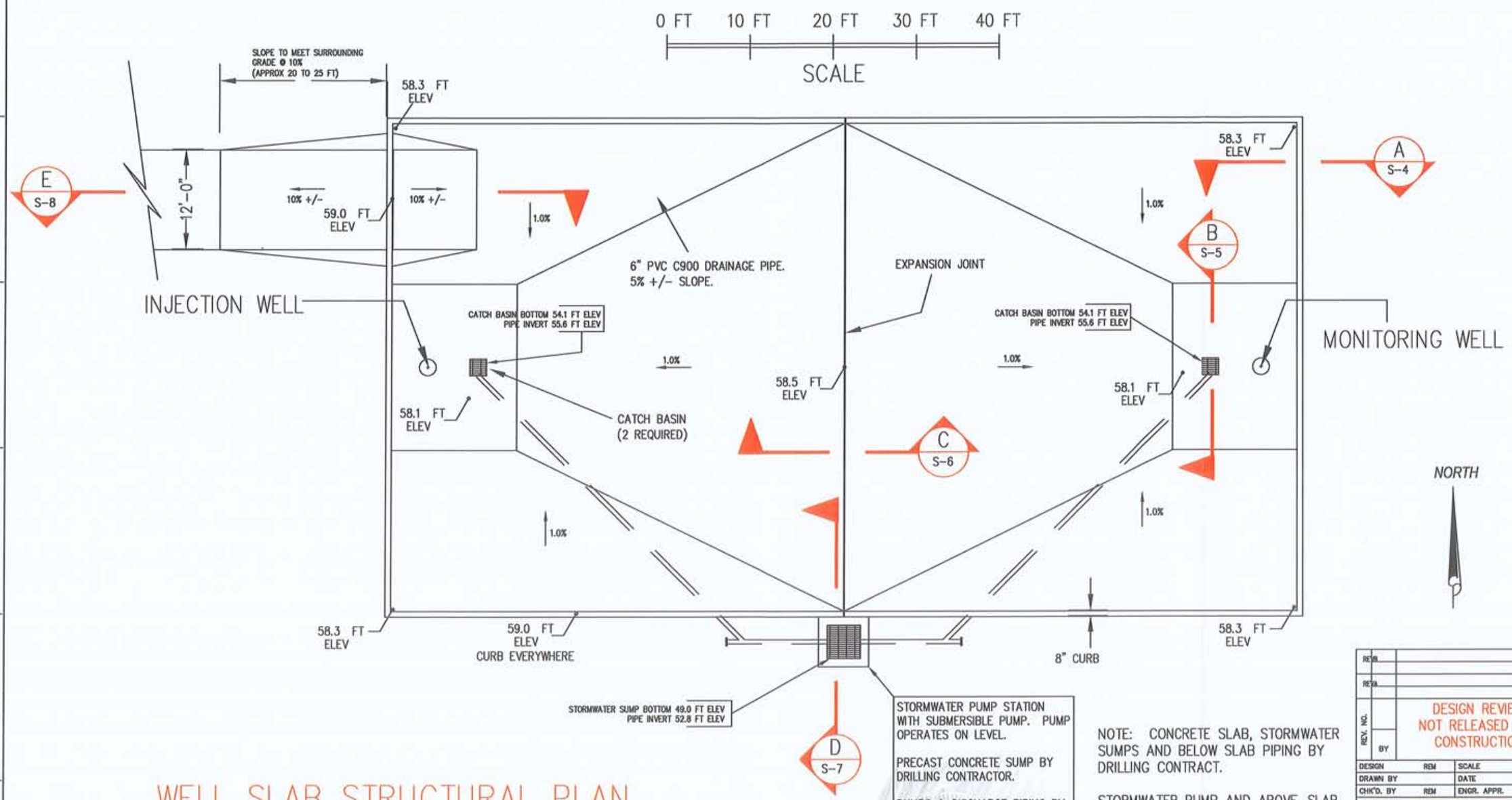
WASTE MANAGEMENT

DRAWING TITLE
LEACHATE TRANSFER PIPELINE ROUTING

AREA: AREA | JOB NO.: JOBNO

D | DWG. NO.: SHEET C-1 | REV.: 1

L.S.SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING



WELL SLAB STRUCTURAL PLAN

SCALE: AS NOTED

STORMWATER PUMP STATION WITH SUBMERSIBLE PUMP. PUMP OPERATES ON LEVEL.

PRECAST CONCRETE SUMP BY DRILLING CONTRACTOR.

PUMPS & DISCHARGE PIPING BY TURN-KEY CONTRACTOR.

NOTE: CONCRETE SLAB, STORMWATER SUMPS AND BELOW SLAB PIPING BY DRILLING CONTRACT.

STORMWATER PUMP AND ABOVE-SLAB PIPING BY TURN-KEY CONTRACTOR.

11/3/08

ROGER E. MAYFIELD, P.E. FL #46092
REM ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION # 27397
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

L.S.SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING

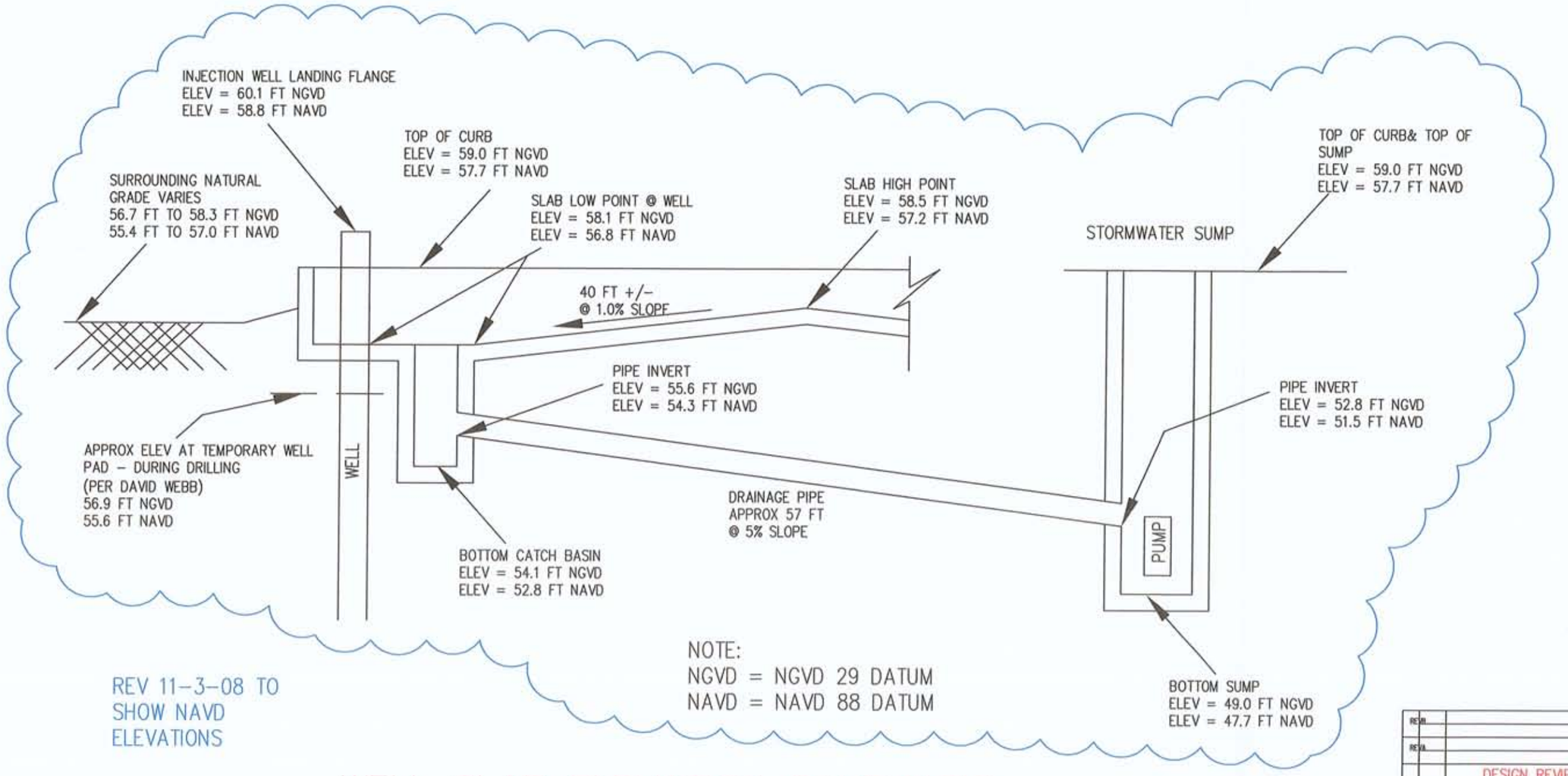
REV. NO.	BY	
REVB		
REVA		
		DESIGN REVIEW NOT RELEASED FOR CONSTRUCTION

DESIGN	REM	SCALE	
DRAWN BY		DATE	8/15/08
CHK'D. BY	REM	ENGR. APPR.	REM

DRAWING TITLE
OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT
IW SLAB – STRUCTURAL PLAN

AREA | JOB NO.

D | DWG. NO. S-2 | REV. REV



NOTE:
NGVD = NGVD 29 DATUM
NAVD = NAVD 88 DATUM

REV 11-3-08 TO SHOW NAVD ELEVATIONS

WELL SLAB ELEVATION SCHEMATIC

NOT TO SCALE

ROGER E. MAYFIELD, P.E. FL #46092
REM ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION # 27397
4270 ALOMA AVE., #124-SAK
WINTER PARK, FLORIDA 32792

11/3/08

L.S.SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING

REV. NO.	BY	DESIGN REVIEW NOT RELEASED FOR CONSTRUCTION
REV.		
REV.		
REV.		

DESIGN	REM	SCALE	
DRAWN BY		DATE	8/15/08
CHK'D. BY	REM	ENGR. APPR.	REM

DRAWING TITLE
OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT
IW SLAB ELEVATION SCHEMATIC

AREA | JOB NO.

D | DWG. NO. S-3 | REV. REV

STRUCTURAL NOTES

THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS.

EXCAVATE TO THE BOTTOM OF THE SLAB STRUCTURAL FILL. THE SUBGRADE IS TO BE COMPACTED TO 95% OF MAXIMUM PROCTOR DENSITY.

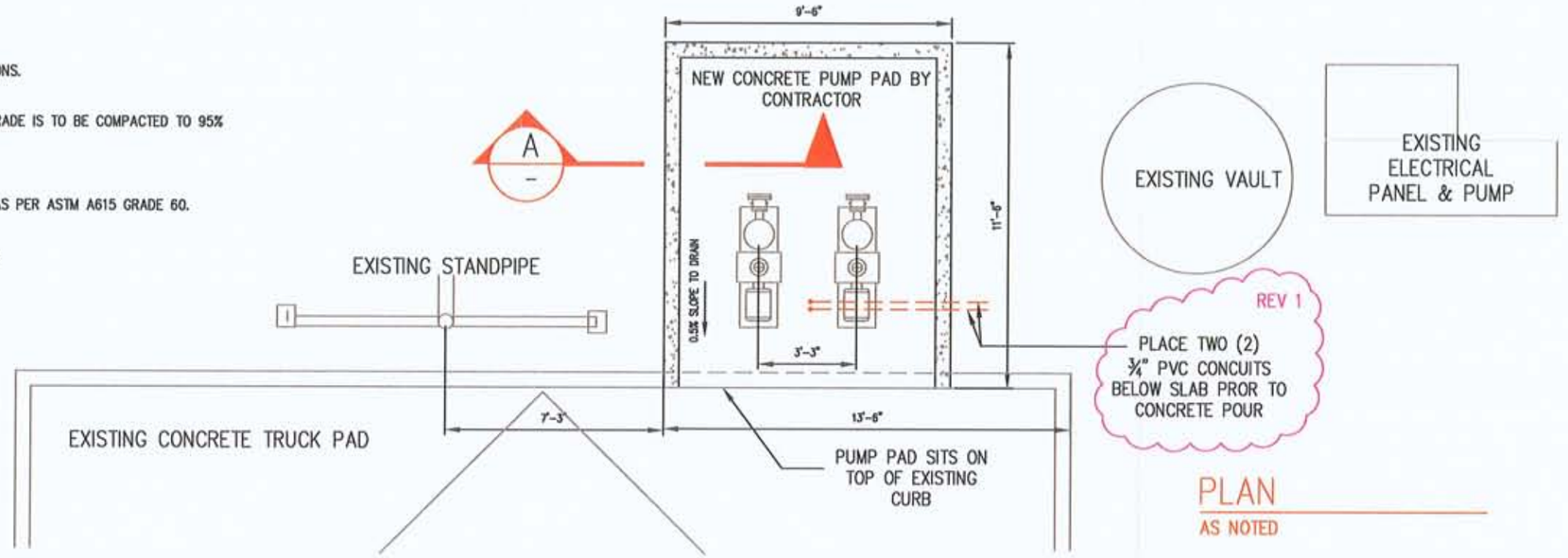
MINIMUM CONCRETE STRENGTH AT 28 DAYS = 4,000 PSI.

REINFORCING STEEL SHALL BE NEW BILLET BARS, INTERMEDIATE GRADE AS PER ASTM A615 GRADE 60. WELDED WIRE FABRIC SHALL BE AS PER ASTM A185.

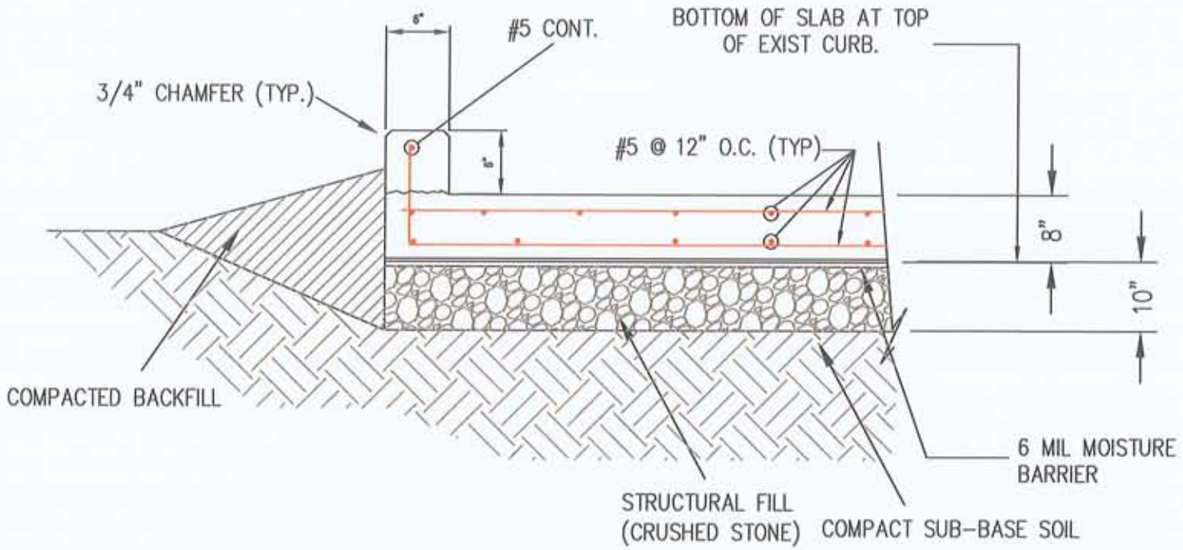
MINIMUM CLEAR COVER OVER REINFORCING BARS SHALL BE AS FOLLOWS:

CONCRETE AGAINST EARTH, UNFORMED: 3 INCHES.
CONCRETE AGAINST FORMWORK: 2 INCHES.

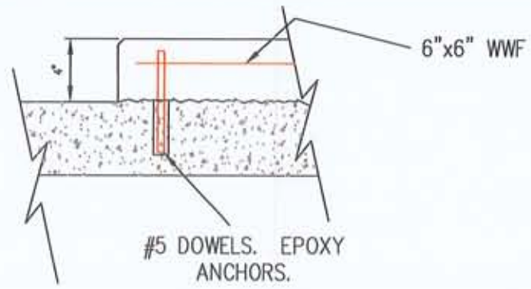
WET-CURE CONCRETE WITH POLYETHYLENE-LINED BURLAP.



PLAN
AS NOTED



SECTION A
AS NOTED



HOUSEKEEPING PAD DETAIL
AS NOTED

11/3/08

REV. NO.	BY	REV 1: ISSUED TO CONTRACTOR I.F.C.

DESIGN	REM	SCALE	
DRAWN BY		DATE	9/25/08
CHK'D. BY	REM	ENGR. APPR.	REM

WM WASTE MANAGEMENT

OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT
STRUCTURAL PLAN – LEACHATE PUMP STATION

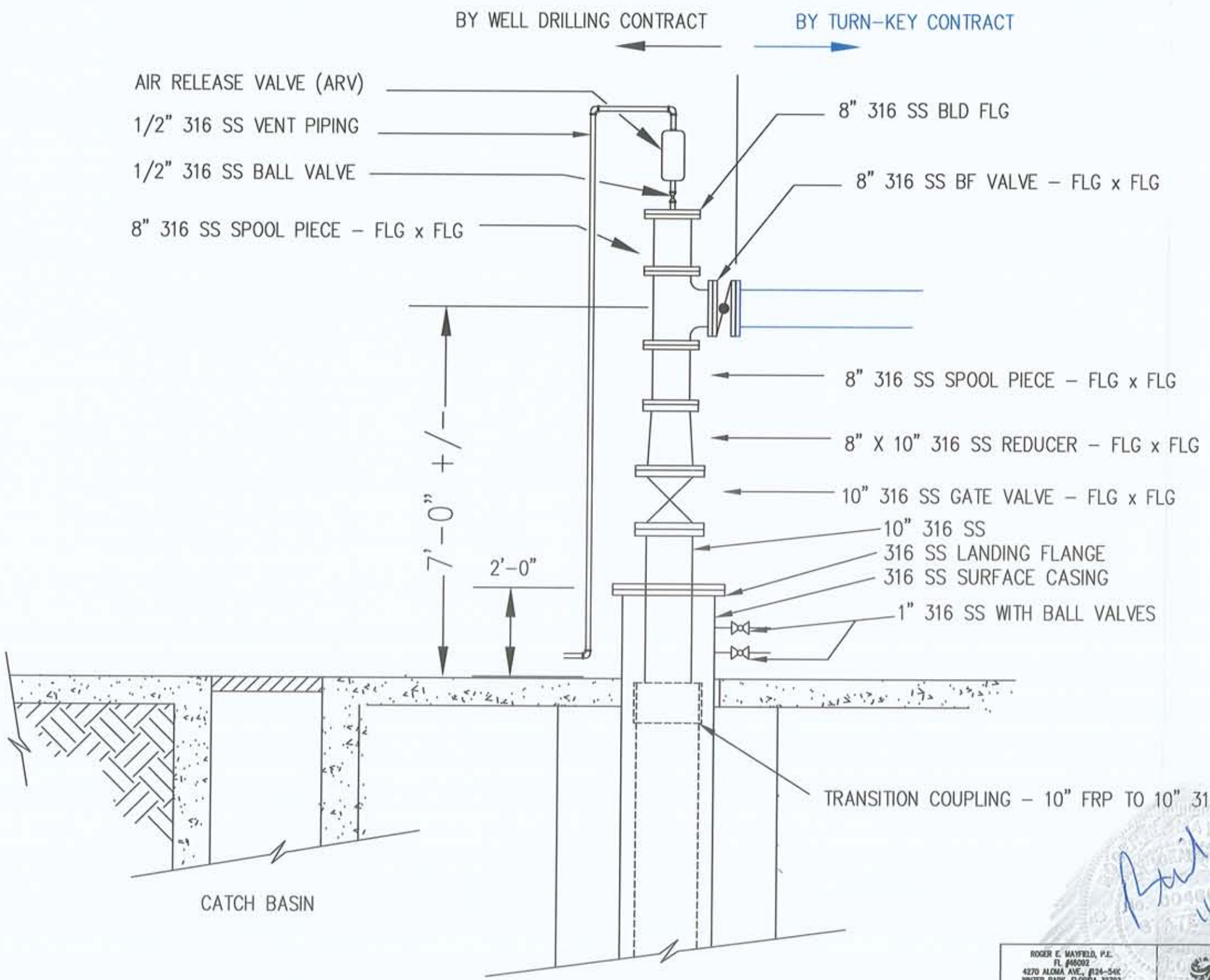
AREA	JOB NO.
D	DWG. NO. S-9

REV.

ROGER E. MAYFIELD, P.E.
FL #46092
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

L.S.SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING

SUBMIT VALVE SPECS FOR ENGINEER APPROVAL



INJECTION WELL
WELLHEAD PIPING

REV. NO.	BY	
REV.		
REV.		DESIGN REVIEW NOT RELEASED FOR CONSTRUCTION

DESIGN	REM	SCALE	
DRAWN BY		DATE	8/15/08
CHK'D. BY	REM	ENGR. APPR.	REM

DRAWING TITLE
OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT
WELLHEAD PIPING DETAIL

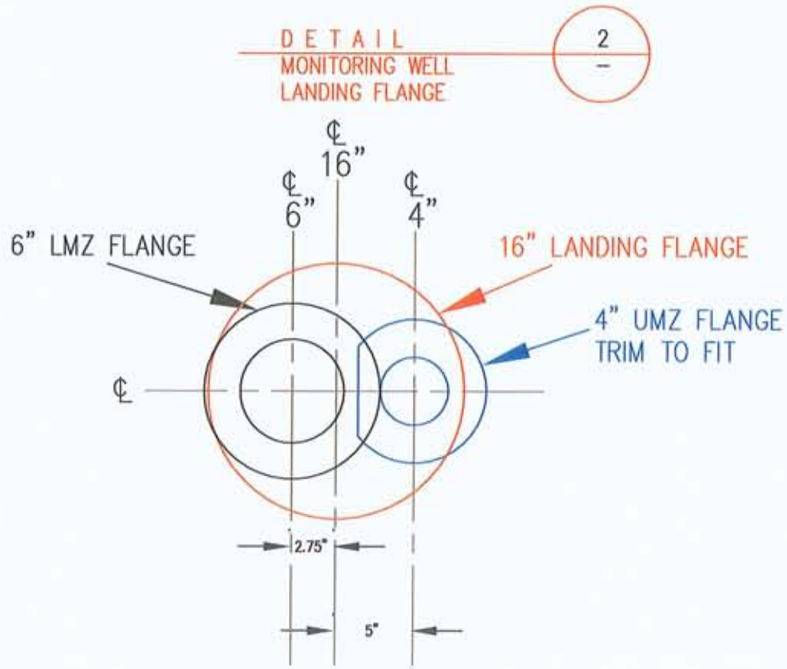
AREA | JOB NO.

D | DWG. NO. P-1 | REV. REV

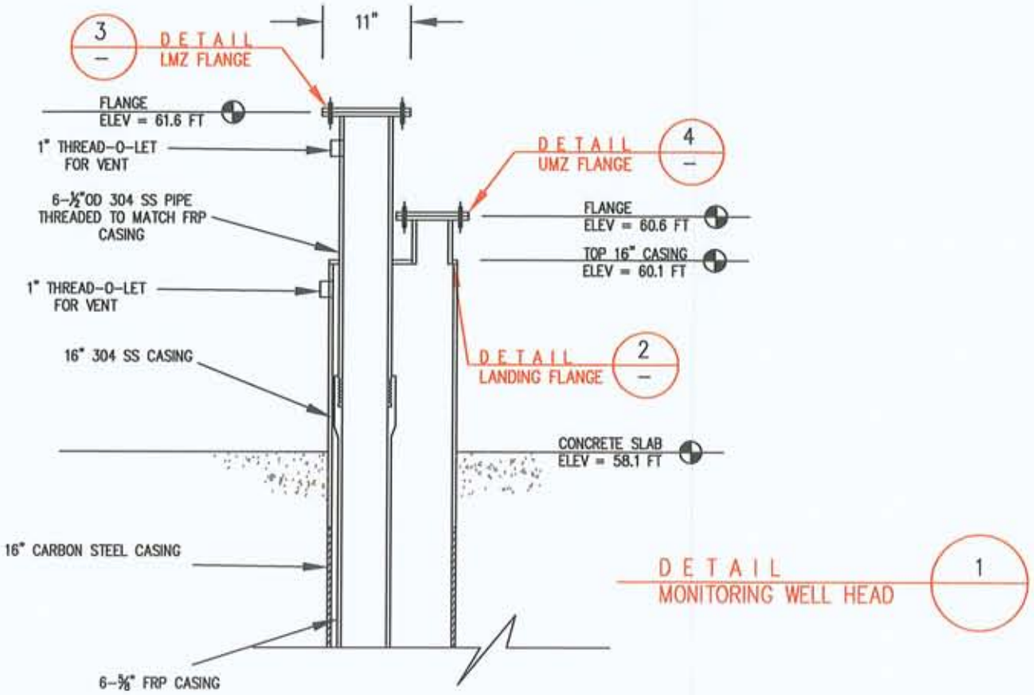
ROGER E. MAYFIELD, P.E.
FL #66092
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

L.S. SIMS & ASSOCIATES ENVIRONMENTAL CONSULTING

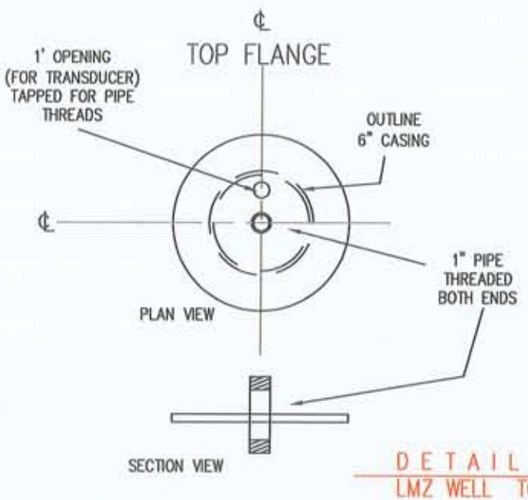
4/23/08



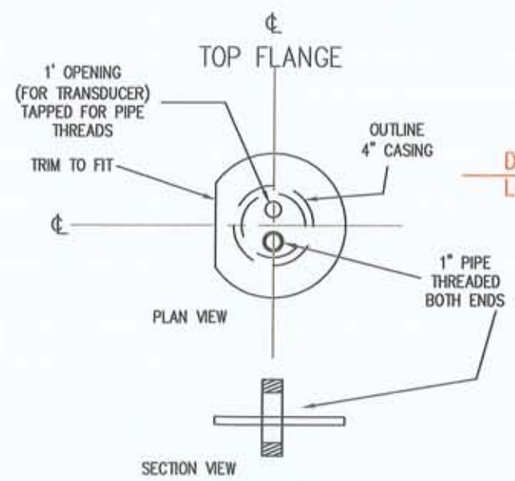
DETAIL
MONITORING WELL
LANDING FLANGE
2
–



DETAIL
MONITORING WELL HEAD
1



DETAIL
LMZ WELL TOP FLANGE
3
–



DETAIL
LMZ WELL TOP FLANGE
4
–

11/3/08

REV. NO.	BY	DESIGN REVIEW NOT RELEASED FOR CONSTRUCTION
REVB		
REVA		
REVI		

DESIGN	REM	SCALE	
DRAWN BY		DATE	9/17/08
CHK'D. BY	REM	ENGR. APPR.	REM

DRAWING TITLE
OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT
MW WELLHEAD PIPING DETAIL

AREA | JOB NO.

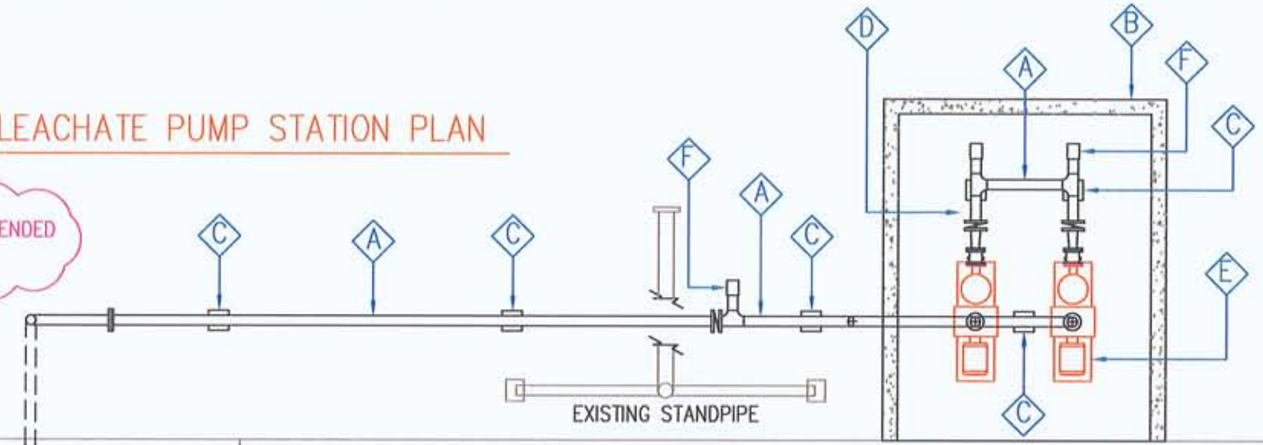
D | DWG. NO. P-2 | REV. REV

ROGER E. MAYFIELD, P.E.
FL #65092
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

L.S.SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING

LEACHATE PUMP STATION PLAN

REV 1: PIPE EXTENDED 2' WEST



EXISTING VAULT

EXISTING ELECTRICAL PANEL & PUMP

EXISTING CONCRETE TRUCK PAD

CONNECT 4" SS PIPING TO 6" HDPE PIPING BELOW GRADE FLG TO FLG

A

0 FT 5 FT 10 FT

SCALE

SCOPE OF WORK THIS SHEET

A. SHOP FABRICATED 4" SS PIPING. TO BE PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR.

B. CONCRETE PUMP SLAB WITH CURB. TO BE CONSTRUCTED BY CONTRACTOR. SEE SHT S-9.

C. SHOP FABRICATED PIPE SUPPORTS. TO BE PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR. . SEE SHT S-9 FOR CONCRETE BASE DETAIL TO BE CINSTRUCTED BY CONTRACTOR.

D. ALL VALVES TO BE PROVIDED BY CONSULTANT AND INSTALLED BY CONTRACTOR.

E. 15 HP LEACHATE PUMPS TO BE PROVIDED BY CONSULTANT AND INSTALLED BY CONTRACTOR ON 4" CONCRETE HOUSELEEPING PADS. GROUT PUMP BASES.

F. 4" CAM-LOCK CONNECTIONS. TO BE PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR.

NORTH

11/3/08

REV. NO.	BY	REV 1: ISSUED TO CONTRACTOR I.F.C.
REVB		
REVA		

DESIGN	REM	SCALE	
DRAWN BY		DATE	9/25/08
CHK'D. BY	REM	ENGR. APPR.	REM

WM

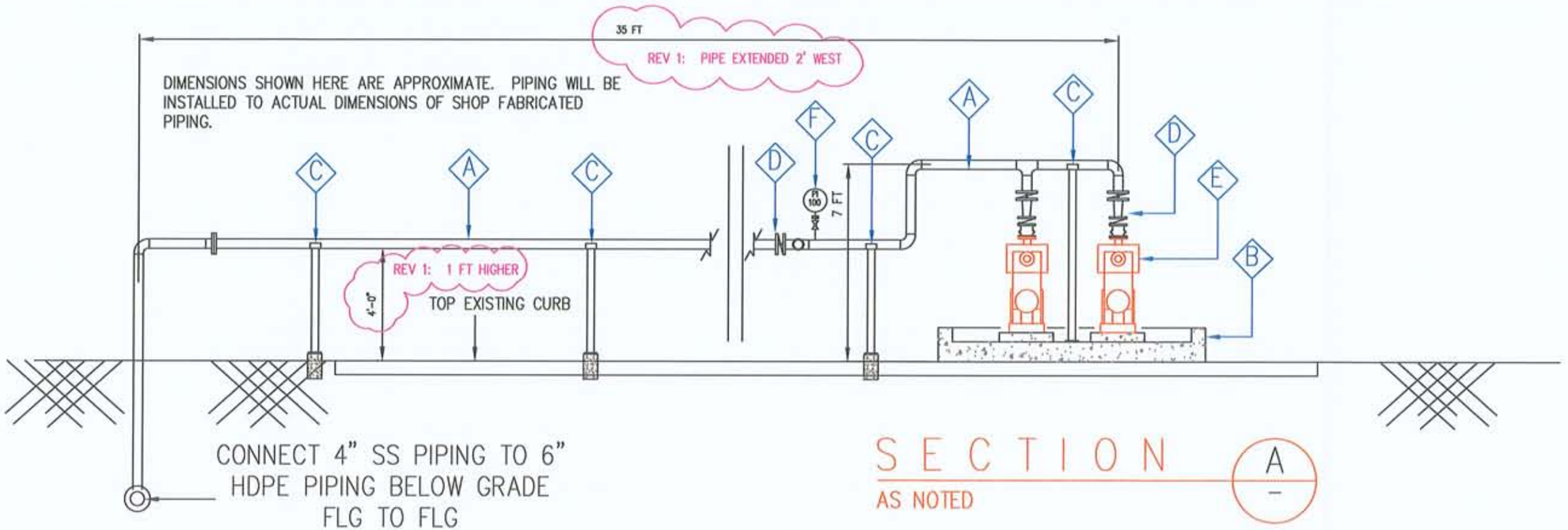
OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT
LEACHATE PUMP STATION - PLAN

AREA	JOB NO.
D	DWG. NO. P-3

REV. REV

ROGER E. MAYFIELD, P.E.
FL #46092
4270 ALOMA AVE., #24-54K
WINTER PARK, FLORIDA 32792

L.S. SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING



SECTION A
AS NOTED

SCOPE OF WORK THIS SHEET

A. SHOP FABRICATED 4" SS PIPING. TO BE PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR.

B. CONCRETE PUMP SLAB WITH CURB. TO BE CONSTRUCTED BY CONTRACTOR. SEE SHT S-9.

C. SHOP FABRICATED PIPE SUPPORTS. TO BE PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR. . SEE SHT S-9 FOR CONCRETE BASE DETAIL TO BE CINSTRUCTED BY CONTRACTOR.

D. ALL VALVES TO BE PROVIDED BY CONSULTANT AND INSTALLED BY CONTRACTOR.

E. 15 HP LEACHATE PUMPS TO BE PROVIDED BY CONSULTANT AND INSTALLED BY CONTRACTOR ON 4" CONCRETE HOUSEkEEPING PADS (6"x6" WWF). GROUT PUMP BASES.

REV 1

F. PRESSURE GAUGE TO BE PROVIDED BY CONSULTANT.

NORTH

11/7/08

REV. NO.	BY	
		REV 1: ISSUED TO CONTRACTOR I.F.C.

DESIGN	REM	SCALE	
DRAWN BY		DATE	9/25/08
CHK'D. BY	REM	ENGR. APPR.	REM

WM WASTE MANAGEMENT

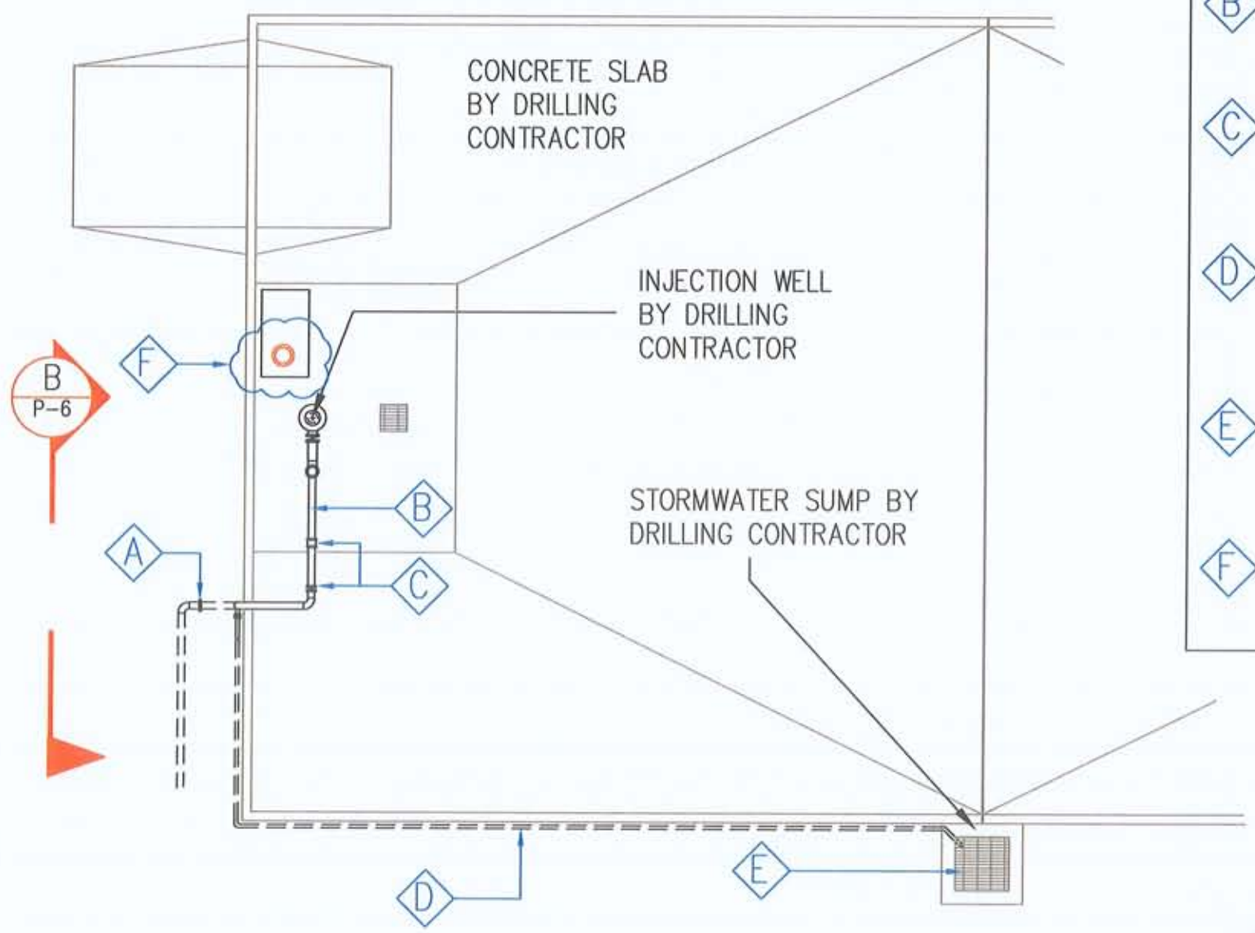
OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT
LEACHATE PUMP STATION - SECTION

AREA	JOB NO.
D	DWG. NO. P-4

REV. REV

ROGER E. MAYFIELD, P.E.
FL #46092
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

L.S.SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING



SCOPE OF WORK THIS SHEET

A. CONNECT 6" SS PIPING TO 6" HDPE PIPING, BELOW GRADE. FLG-TO-FLG.

B. SHOP FABRICATED 6" SS PIPING. TO BE PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR.

C. ALL VALVES & IN-LINE FLOW METER TO BE PROVIDED BY CONSULTANT AND INSTALLED BY CONTRACTOR.

D. 4" SCH 80 PVC STORMWATER PIPING TO BE PROVIDED AND INSTALLED BY CONTRACTOR. MINIMUM COVER 3-FT. 80 LINEAR FT OF PIPE.

E. STORMWATER PUMP TO BE PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR. SEE P-7 FOR DETAILS.

F. ANNULUS VESSLE TO BE PROVIDED BY DRILLING CONTRACTOR & INSTALLED BY CONTRACTOR. SEE P-7 FOR DETAILS.

NORTH

0 FT 10 FT 20 FT

SCALE

11/3/08

ROGER E. MAYFIELD, P.E.
FL #65092
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

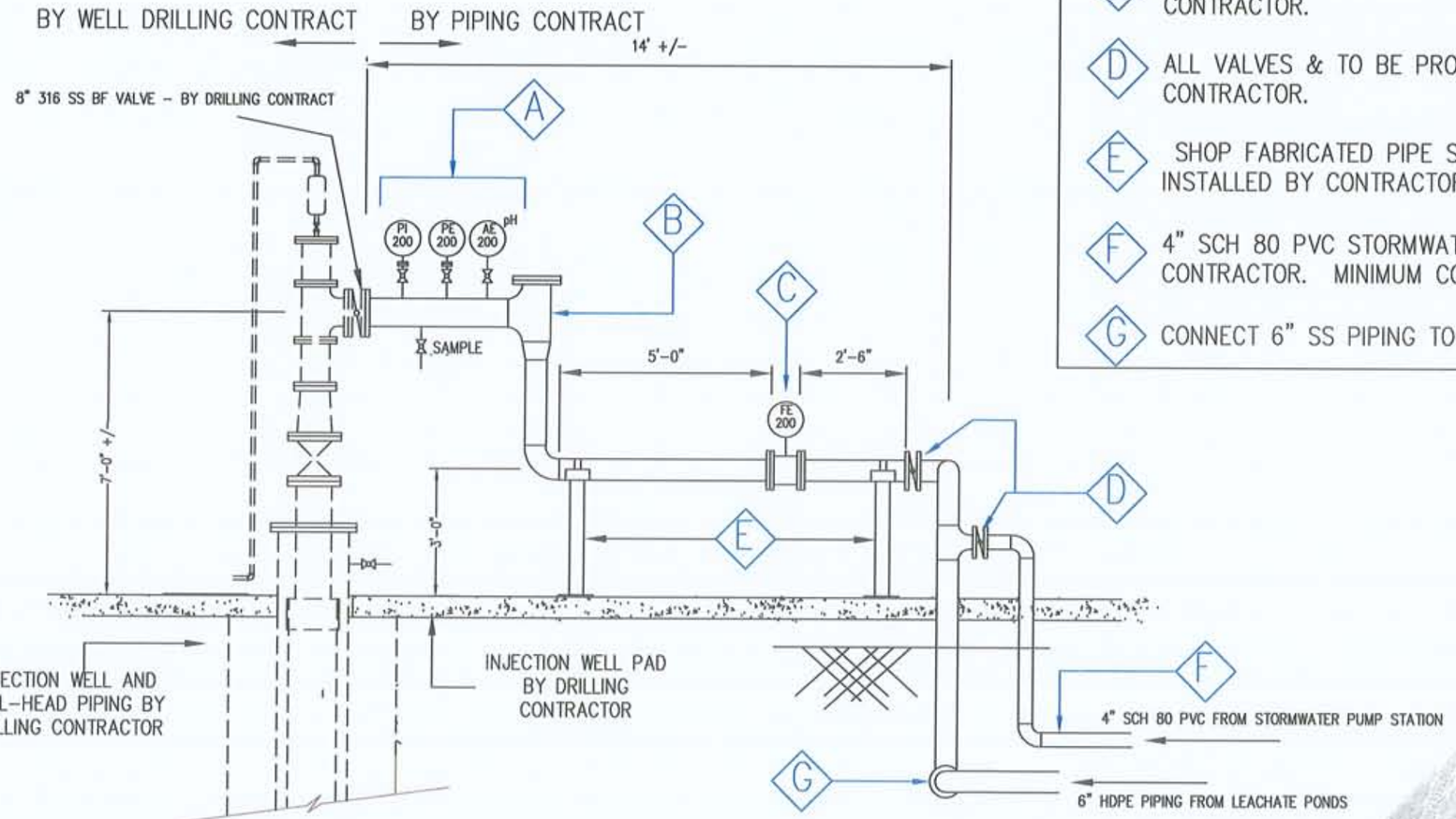
L.S.SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING

REV. NO.	BY	
REV B		
REV A		
1	REM	REV 1: ISSUED TO CONTRACTOR I.F.C.

DESIGN	REM	SCALE	
DRAWN BY		DATE	9/25/08
CHK'D. BY	REM	ENGR. APPR.	REM

OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT
INJECTION WELL PLAN

AREA	JOB NO.	
D	DWG. NO. P-5	REV. REV



SCOPE OF WORK THIS SHEET

A. CONTRACTOR TO INSTALL VALVES. PRESSURE GAUGE AND OTHER DEVICES TO BE INSTALLED BY OTHERS.

B. SHOP FABRICATED 6" SS PIPING. TO BE PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR.

C. IN-LINE FLOW METER. TO BE PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR.

D. ALL VALVES & TO BE PROVIDED BY CONSULTANT AND INSTALLED BY CONTRACTOR.

E. SHOP FABRICATED PIPE SUPPORTS. TO BE PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR.

F. 4" SCH 80 PVC STORMWATER PIPING TO BE PROVIDED AND INSTALLED BY CONTRACTOR. MINIMUM COVER 3-FT.

G. CONNECT 6" SS PIPING TO 6" HDPE PIPING, BELOW GRADE. FLG-TO-FLG.

NORTH

REV. NO.	BY	
REVB.		
REVA.		
		REV 1: ISSUED TO CONTRACTOR I.F.C.

DESIGN	REM	SCALE	
DRAWN BY		DATE	9/25/08
CHK'D. BY	REM	ENGR. APPR.	REM

OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT
INJECTION WELL PLAN

AREA	JOB NO.
D	DWG. NO. P-6

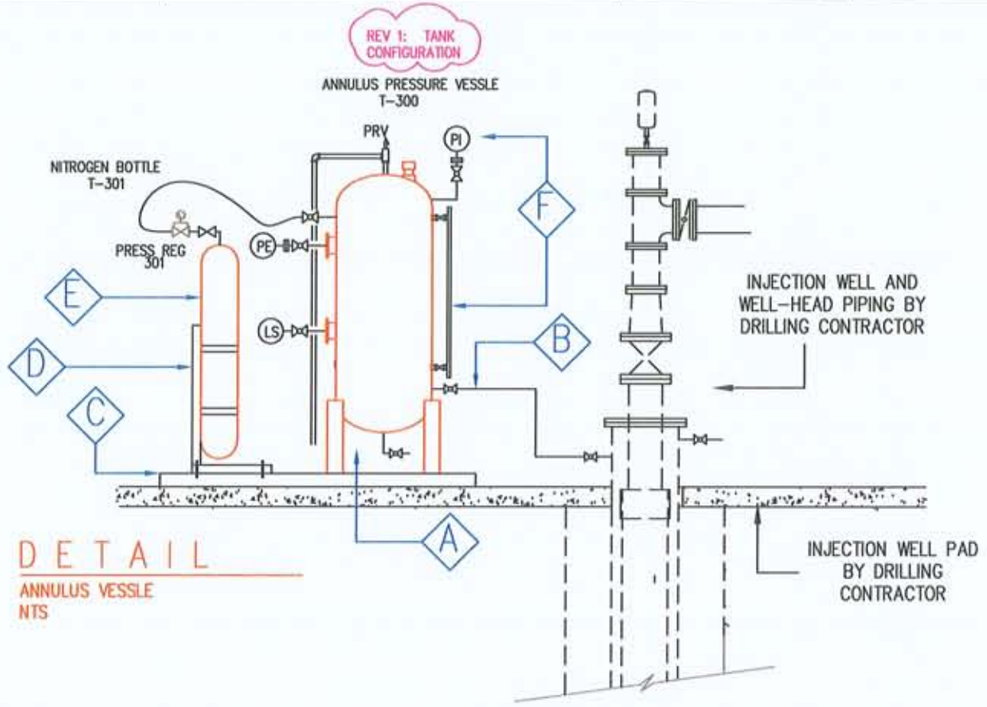
REV. REV

ROGER E. MAYFIELD, P.E.
FL #46092
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

L.S.SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING

11/3/08

REV 1: TANK CONFIGURATION



DETAIL

ANNULUS VESSLE
NTS

SCOPE OF WORK

A. ANNULUS VESSEL TO BE PROVIDED BY THE DRILLING CONTRACTOR. CONTRACTOR TO INSTALL ON CONCRETE HOUSEKEEPING PAD WITH DRILLED/EPOXY ANCHOR BOLTS.

B. CONTRACTOR TO PROVIDE AND INSTALL 1" SS PIPING. ALL VALVES TO BE PROVIDED BY OTHERS.

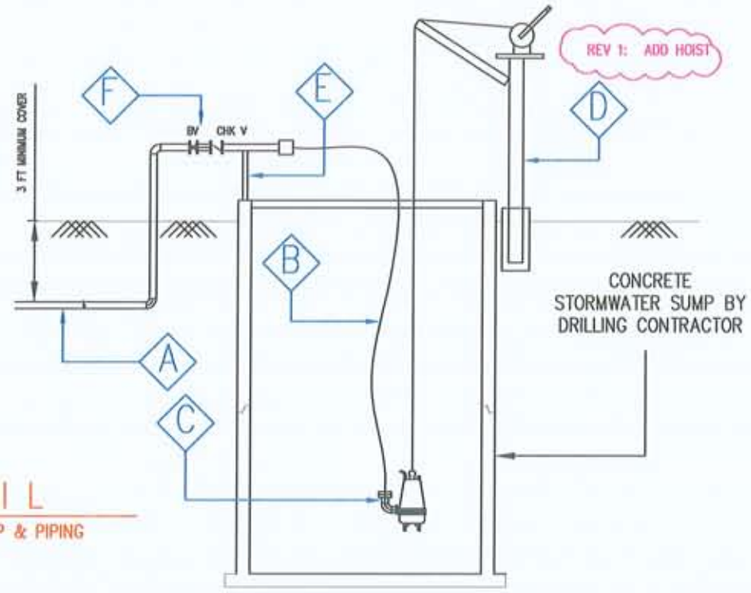
C. CONTRACTOR TO CONSTRUCT 4" CONCRETE HOUSEKEEPING PAD. SEE DRAWING S-9 FOR DETAIL.

D. NITROGEN BOTTLE HOLDING STAND PROVIDED BY CONSULTANT. CONTRACTOR TO INSTALL ON CONCRETE HOUSEKEEPING PAD WITH DRILLED/EPOXY ANCHOR BOLTS.

E. NITROGEN BOTTLE PROVIDED BY CONSULTANT.

F. ALL OTHER COMPONENTS ON VESSEL & TANK (PRESSURE GAUGE, PRESSURE REGULATOR, ETC.) TO BE PROVIDED AND INSTALLED BY OTHERS.

REV 1: ADD HOIST



DETAIL

STORMWATER PUMP & PIPING
NTS

SCOPE OF WORK

A. CONTRACTOR TO PROVIDE AND INSTALL 4" SCH 40 PVC PIPING. BURIED PIPING SHALL HAVE 3 FT MINIMUM COVER.

B. 4" FLEX HOSE PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR.

C. SUBMERSIBLE PUMP PROVIDED BY CONSULTANT.

D. HOIST FOR PUMP RETRIEVAL PROVIDED BY CONSULTANT.

E. PIPE SUPPORT BY CONTRACTOR.

F. PVC VALVES PROVIDED BY CONSULTANT & INSTALLED BY CONTRACTOR.

4/3/08

REV. NO.	BY	
REV 1: ISSUED TO CONTRACTOR I.F.C.		

DESIGN	REM	SCALE	
DRAWN BY		DATE	9/25/08
CHK'D. BY	REM	ENGR. APPR.	REM

WM WASTE MANAGEMENT

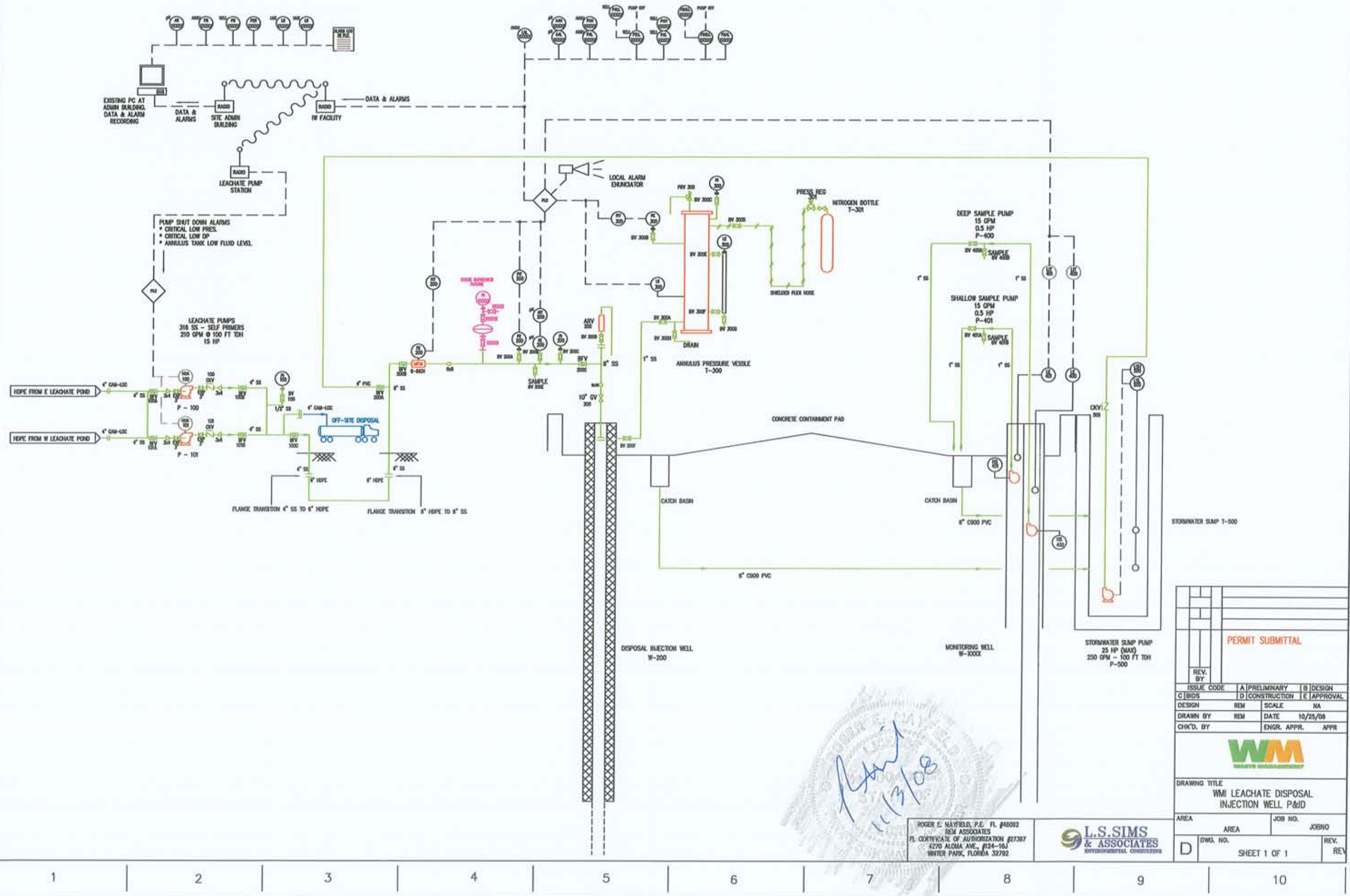
OKEECHOBEE LANDFILL INC.
LECHATE INJECTION WELL PROJECT
ANNULUS VESSEL & STORMWATER PUMP

AREA	JOB NO.
D	P-7

DWG. NO. P-7 | REV. REV

ROGER E. MAYFIELD, P.E.
FL #65092
4270 ALOMA AVE., #124-54K
WINTER PARK, FLORIDA 32792

L.S.SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTING



PERMIT SUBMITTAL

REV.	BY

ISSUE CODE			
A	PRELIMINARY	B	DESIGN
C	BIDS	D	CONSTRUCTION
E	APPROVAL		

DESIGN	REM	SCALE	NA
DRAWN BY	REM	DATE	10/25/08
CHK'D. BY		ENGR. APPR.	APPR

DRAWING TITLE
WMI LEACHATE DISPOSAL
INJECTION WELL P&ID

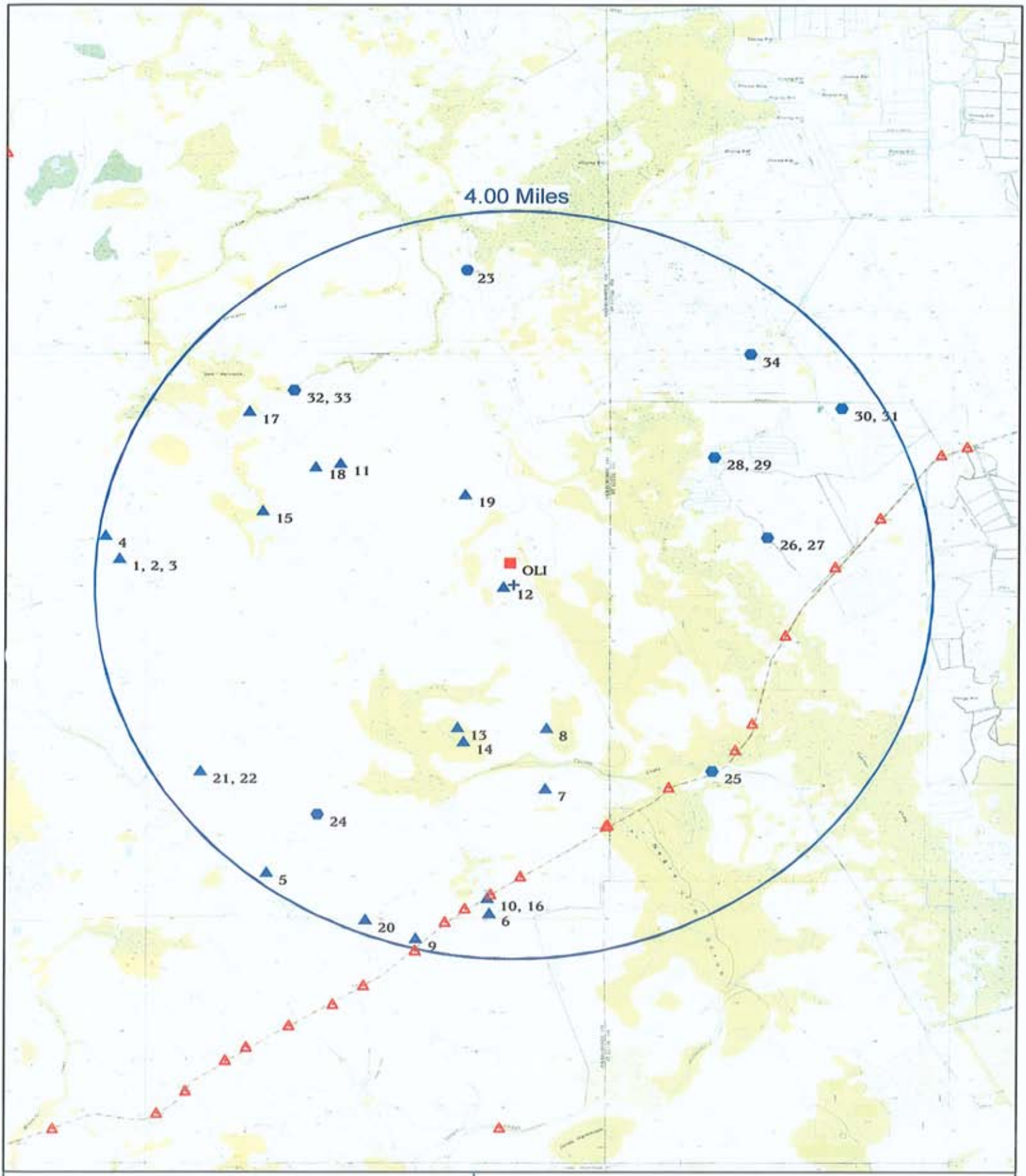
AREA	JOB NO.
AREA	JOBNO

DWG. NO.	REV.
SHEET 1 OF 1	REV

ROGER E. MAYFIELD, P.E. FL #46092
L.S.SIMS & ASSOCIATES
FL CERTIFICATE OF AUTHORIZATION #27307
4270 ALOMA AVE., #124-163
WINTER PARK, FLORIDA 32792

11/3/08

L.S.SIMS & ASSOCIATES
ENVIRONMENTAL CONSULTANTS



L.S. SIMS & ASSOCIATES
Environmental Consulting

REVISION #1 8/14/06

WELLS WITHIN 4 MILES OF OLI

OKEECHOBEE LANDFILL, INC.

OKEECHOBEE, FLORIDA

OKEECHOBEE LANDFILL, INC. - OKEECHOBEE LANDFILL
WELL INVENTORY DATA

SFWMD DATA BASE - WELLS WITHIN 4-MILE RADIUS OF WMI SITE 3/21/06

MAP NO.	OWNER	PUMP TYPE	DIAM	PUMP DEPTH	PUMP CAPAC	WELL DEPTH	CASE DEPTH	SOURCE	WATER USE	SEC	TWP	RGE	LAT (Deg)	LONG (Deg)
1	OKEECHOBEE EGG FARM	SUB	4	-35	60	140	100	SAS	IRR	17	36	36	27.34278	80.75400
2	OKEECHOBEE EGG FARM	SUB	4	-35	60	140	100	SAS	IRR	17	36	36	27.34275	80.75369
3	OKEECHOBEE EGG FARM	TUR	8	-55	550	825	400	FAS	IRR	17	36	36	27.34398	80.75387
4	OKEECHOBEE EGG FARM	TUR	10	28	750	800	400	FAS	IRR	8	36	36	27.34694	80.75610
5	T A P SOD FKA ALL GREEN SOD SERVICE	CEN	2	0	65	800	0	FAS	IRR	33	36	36	27.29470	80.73092
6	CROSSROADS RESTAURANT	SUB	4	10	16	100	75	SAS	PWS	36	36	36	27.28860	80.69692
7	CLAY FARMS	TUR	12	0	2000	500	400	FAS	IRR	25	36	36	27.30750	80.68752
8	CLAY FARMS	TUR	12	0	2000	500	400	FAS	IRR	25	36	36	27.31689	80.68740
9	DAVIE DAIRY POTABLE WATER SUPPLY	CEN	2	0	18	144	105	SAS	PWS	2	37	36	27.28318	80.70736
10	POSEYS CORNER GROCERY	JET	2	15	13	125	84	SAS	PWS	36	36	36	27.29056	80.69650
11	TREE NURSERY	CEN	2	0	60	70	40	SAS	IRR	10	36	36	27.35813	80.71969
12	CHAMBERS WASTE ADMINISTRATIVE COMPLEX	SUB	4	0	25	130	120	SAS	PWS	13	36	36	27.33883	80.69421
13	FAITH FARM OKEECHOBEE GROVE	TUR	6	0	160	140	100	SAS	IRR	26	36	36	27.31711	80.70136
14	FAITH FARM OKEECHOBEE GROVE	TUR	6	0	160	140	100	SAS	IRR	26	36	36	27.31491	80.70043
15	COWART CATFISH FARM	TUR	6	60	100	80	0	SAS	NA	9	36	36	27.35081	80.73177
16	TOWN STAR FOOD STORES LLP STORE 39	CEN	2	15	10	60	0	SAS	PWS	36	36	36	27.29065	80.69659
17	HAPPY TRAILS RANCH	SUB	4	50	80	117	65	SAS	IRR	4	36	36	27.36611	80.73387
18	HAPPY TRAILS RANCH	SUB	4	50	80	135	120	SAS	IRR	10	36	36	27.35762	80.72353
19	ROBERT CAPOTE	CEN	4	0	50	140	120	SAS	IRR	11	36	36	27.35336	80.70029
20	SALES & HALES PROPERTY	CEN	2	0	60	126	105	SAS	LIV	3	37	36	27.28739	80.71555
21	KIRTON RANCH	CEN	2	0	40	120	80	SAS	LIV	28	36	36	27.31049	80.74125
22	KIRTON RANCH	SUB	4	63	120	180	140	SAS	LIV	28	36	36	27.31028	80.74125

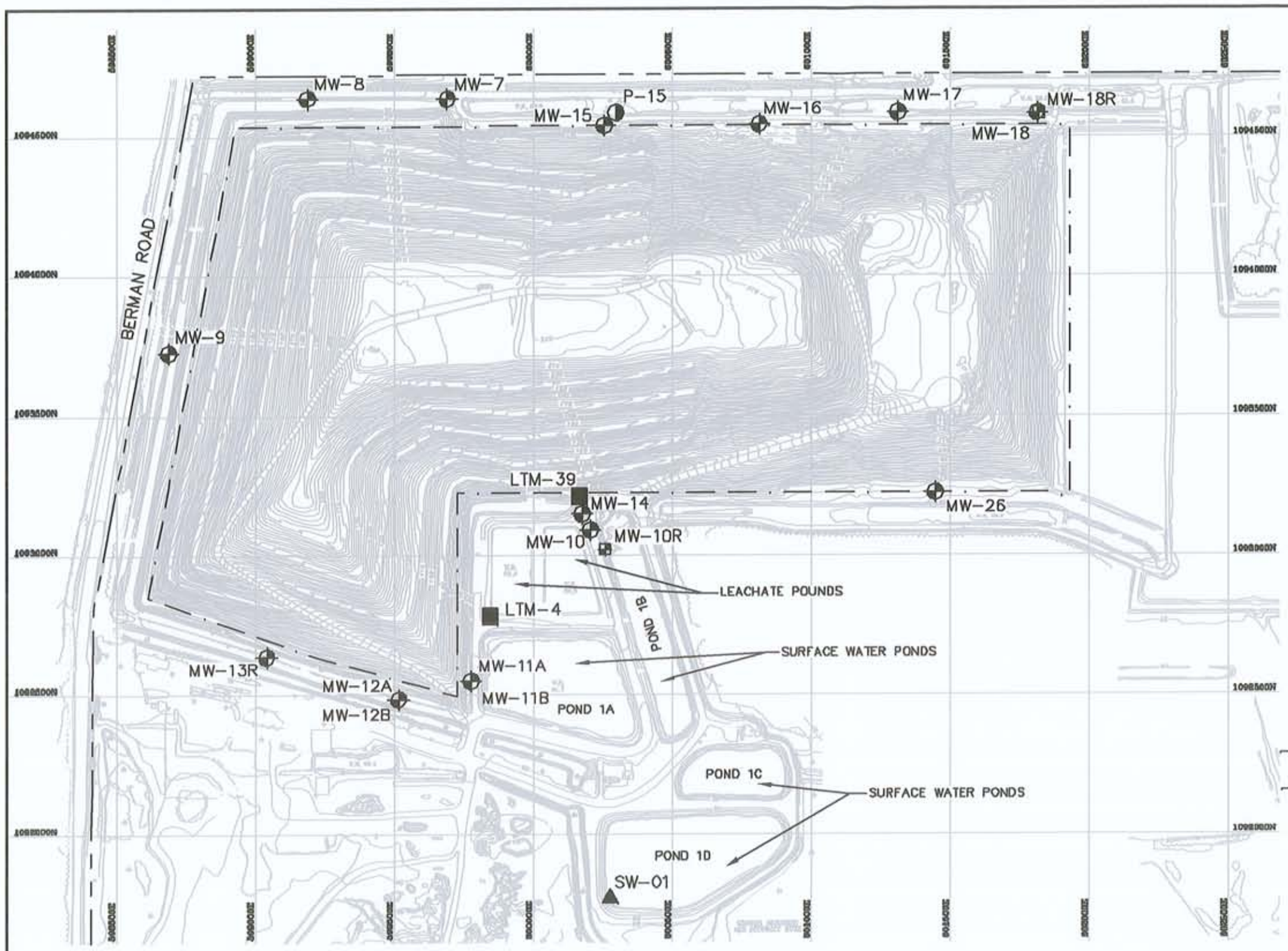
FGS OIL AND GAS SECTION DATA BASE - WELLS WITHIN 4-MILE RADIUS OF WMI SITE 3/21/06

23	Shell Oil, Sloan No. 35-1	NA		PA	PA	11,300(PA)	PA	BAS	PA	34	35	36	27.38388	80.71944

USGS NWIS FLORIDA SITE INVENTORY DATA BASE - WELLS WITHIN A 4-MILE RADIUS OF WMI SITE 3/21/06

24	USGS 271813080402301 STL-138A	NA	NA	NA	NA	51	NA	SAS	NA	27	36	36	27.30361	80.72306
25	USGS 271837080394201 STL-138	NA	NA	NA	NA	14	NA	SAS	NA	30	36	37	27.31028	80.66166
26	USGS 272048080391101 STL-292	NA	NA	NA	NA	120	NA	SAS	NA	17	36	37	27.34666	80.65306
27	USGS 272048080391102 STL-293	NA	NA	NA	NA	35	NA	SAS	NA	17	36	37	27.34666	80.65306
28	USGS 272133080394101 PG-35N	NA	NA	NA	NA	27	NA	SAS	NA	8	36	37	27.35917	80.66139
29	USGS 272133080394102 PG-35S	NA	NA	NA	NA	56	NA	SAS	NA	8	36	37	27.35917	80.66139
30	USGS 272200080383001 STL-290	NA	NA	NA	NA	115	NA	SAS	NA	9	36	37	27.36660	80.64166
31	USGS 272200080383002 STL-291	NA	NA	NA	NA	35	NA	SAS	NA	9	36	37	27.36660	80.64166
32	USGS 272210080403701 STL-296	NA	NA	NA	NA	NA	NA	NA	NA	3	36	36	27.36944	80.72694
33	USGS 272210080403702 STL-297	NA	NA	NA	NA	NA	NA	NA	NA	3	36	36	27.36944	80.72694
34	USGS 272230080392101 STL-373	NA	NA	NA	NA	NA	NA	NA	NA	5	36	37	27.37500	80.65583

IRR-Irrigation
LIV-Livestock
PWS-Public Water System
FAS-Floridan Aquifer System
SAS-Surficial Aquifer System
BAS-Basement
PA-Plugged and Abandoned
NA- Not Available
Highlighted Wells are Located Within the 1-Mile AOR



0 200 400

1" = 400'

LEGEND

- MW-18R — NEW MONITORING WELL LOCATION
- MW-14 — GROUND WATER MONITORING WELL
- LTM-4 — LEACHATE MONITORING LOCATION
- SW-01 — SURFACE WATER SAMPLING LOCATION
- P-15 — PIEZOMETER
- PROPERTY BOUNDARY
- LIMIT OF WASTE

SAMPLING LOCATION MAP
BERMAN ROAD LANDFILL

GLOBEX
ENGINEERING & DEVELOPMENT
Deerfield Beach, Florida

FIGURE NO.	2
PROJECT NO.	1686
DOCUMENT NO.	F050043
PAGE NO.	-

1686F002.DWG 20050209203RC

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Project No. Site 1011

Okeechobee Landfill

Lot #: D7J050201

Miguel Delgado
Waste Management Inc.
Berman Rd Landfill
10800 NE 128th Ave
Okeechobee, FL 34927

Cc: Ken Guilbeault

TestAmerica Denver

Melissa L. Wright
Project Manager

October 26, 2007

4955 Yarrow Street Arvada, CO 80002 tel 303.736.0100 fax 303.431.7171 www.testamericainc.com

Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages
Standard Deliverables *The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	

Case Narrative

Enclosed is the report for three samples received at TestAmerica Denver on October 5, 2007. The results included in this report have been reviewed for compliance with TestAmerica's Laboratory Quality Manual. The results relate only to the samples in this report and meet all requirements of NELAC and any exceptions are noted below. TestAmerica Denver's Florida certification number is E87667.

This report may include reporting limits (RLs) less than TestAmerica Denver's standard reporting limit. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

Quality Control Summary for Lot D7J050201

Sample Receiving

The cooler temperatures upon receipt at the Denver laboratory were 2.6°C and 2.7°C.

All sample bottles were received in acceptable condition.

Holding Times

All analyses were performed within established holding times.

Method Blanks

Methylene Chloride was detected in the Method 624 Blank at a concentration below the reporting limit but above the method detection limit. No corrective action is taken for results in the Method Blank that are below the reporting limits.

All other Method Blanks were within established control limits.

Laboratory Control Samples (LCS)

All Laboratory Control Samples were within established control limits.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD)

The Method 624 MS/MSD was performed on an unrelated sample and demonstrated a relative percent difference above the control limit for Bromomethane. All other associated QC samples were in control; therefore, no corrective action was taken.

The Method 625 MS/MSD was performed on an unrelated sample and demonstrated MS and/or MSD recoveries below the control limits for several compounds. Also, the relative percent difference was above the control limit for 3,3'-Dichlorobenzidine. All associated QC samples were in control; therefore, no corrective action was taken.

The Method 608 MS/MSD was performed on an unrelated sample and demonstrated MSD recoveries below the control limits for 4,4'-DDE and 4,4'-DDT. All other associated QC samples were in control; therefore, no corrective action was taken.

All other MS and MSD samples were within established control limits.

Organics

Method 624

Samples LTM-39 and LTM-04 were analyzed at dilutions due to matrix interference. The reporting limits have been adjusted accordingly.

The Method 624 Continuing Calibration Verification (CCV) standard was outside the percent difference limits for Acrolein. Because all other calibration criteria were met, no corrective action was necessary.

Method 625

Sample LTM-39 was analyzed at a dilution due to high concentrations of target compounds and sample LTM-04 was analyzed at a dilution due to interfering non-target compounds. The reporting limits have been adjusted accordingly. As a result of the required dilutions the surrogate recoveries for these samples could not be determined.

Method 608

Samples LTM-39 and LTM-04 demonstrated recoveries below the control limits for the surrogates Decachlorobiphenyl and Tetrachloro-m-xylene due to matrix interference; no corrective action was taken because matrix interference was evident.

There was greater than a 40% difference between the primary and confirmation column results for beta-BHC and delta-BHC for sample LTM-04. The lower of the two results are reported and the associated data are flagged "COL".

The Method 608 Continuing Calibration Verification (CCV) standard was outside the percent difference limits for Tetrachloro-m-xylene, 4,4'-DDT, Endrin Aldehyde, Endosulfan Sulfate, and Decachlorobiphenyl. Because all other calibration criteria were met, no corrective action was necessary.

EXECUTIVE SUMMARY - Detection Highlights

D7J050201

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
LTM-39 10/04/07 11:40 001				
2,4-Dimethylphenol	56 J	100	ug/L	CFR136A 625
2,6-Dinitrotoluene	15 J	100	ug/L	CFR136A 625
Naphthalene	11 J	100	ug/L	CFR136A 625
Phenol	980	100	ug/L	CFR136A 625
Benzene	9.1 J	10	ug/L	CFR136A 624
1,2-Dichloroethane	7.1 J	10	ug/L	CFR136A 624
Ethylbenzene	23	10	ug/L	CFR136A 624
Methylene chloride	4.6 J,B	10	ug/L	CFR136A 624
Toluene	57	10	ug/L	CFR136A 624
LTM-04 10/04/07 14:20 002				
beta-BHC	0.026	0.050	ug/L	CFR136A 608
	Qualifiers: J,COL			
delta-BHC	0.018	0.050	ug/L	CFR136A 608
	Qualifiers: J,COL			
2,4-Dimethylphenol	23 J	100	ug/L	CFR136A 625
Naphthalene	10 J	100	ug/L	CFR136A 625
Phenol	50 J	100	ug/L	CFR136A 625
Benzene	5.5 J	17	ug/L	CFR136A 624
Ethylbenzene	24	17	ug/L	CFR136A 624
Methylene chloride	6.9 J,B	17	ug/L	CFR136A 624
Toluene	33	17	ug/L	CFR136A 624

METHODS SUMMARY

D7J050201

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Base/Neutrals and Acids	CFR136A 625	CFR136A 625
Organochlorine Pesticides and PCBs	CFR136A 608	CFR136A 608
Purgeables	CFR136A 624	CFR136A 624

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

METHOD / ANALYST SUMMARY

D7J050201

ANALYTICAL METHOD	ANALYST	ANALYST ID
CFR136A 608	Dennis Jonsrud	009226
CFR136A 608	Teresa L. Williams	002510
CFR136A 624	Jennifer Hazard	007928
CFR136A 625	Daniel Kiekel	011370

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

SAMPLE SUMMARY

D7J050201

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J8CPD	001	LTM-39	10/04/07	11:4(
J8CPJ	002	LTM-04	10/04/07	14:2(
J8CPM	003	TRIP BLANK 1	10/04/07	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Waste Management, Inc.

Client Sample ID: LTM-39

GC/MS Volatiles

Lot-Sample #...: D7J050201-001 Work Order #...: J8CPD1AA Matrix.....: WATER
Date Sampled...: 10/04/07 11:40 Date Received..: 10/05/07
Prep Date.....: 10/09/07 Analysis Date..: 10/10/07
Prep Batch #...: 7283644 Analysis Time..: 16:02
Dilution Factor: 2

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	200	ug/L	30
Acrylonitrile	ND	200	ug/L	33
Benzene	**9.1 J**	**10**	**ug/L**	**1.4**
Bromodichloromethane	ND	10	ug/L	3.1
Bromoform	ND	10	ug/L	0.96
Bromomethane	ND	20	ug/L	0.93
Carbon tetrachloride	ND	10	ug/L	1.1
Chlorobenzene	ND	10	ug/L	1.4
Dibromochloromethane	ND	10	ug/L	1.4
Chloroethane	ND	20	ug/L	4.1
2-Chloroethyl vinyl ether	ND	10	ug/L	3.7
Chloroform	ND	10	ug/L	2.2
Chloromethane	ND	20	ug/L	1.8
1,1-Dichloroethane	ND	10	ug/L	2.1
1,2-Dichloroethane	**7.1 J**	**10**	**ug/L**	**1.3**
trans-1,2-Dichloroethene	ND	10	ug/L	1.4
1,1-Dichloroethene	ND	10	ug/L	2.1
1,2-Dichloropropane	ND	10	ug/L	1.7
1,3-Dichloropropene (total)	ND	10	ug/L	1.3
Ethylbenzene	**23**	**10**	**ug/L**	**1.2**
Methylene chloride	**4.6 J,B**	**10**	**ug/L**	**1.2**
1,1,2,2-Tetrachloroethane	ND	10	ug/L	2.5
Tetrachloroethene	ND	10	ug/L	1.4
Toluene	**57**	**10**	**ug/L**	**1.8**
1,1,1-Trichloroethane	ND	10	ug/L	2.3
1,1,2-Trichloroethane	ND	10	ug/L	2.5
Trichloroethene	ND	10	ug/L	1.9
Vinyl chloride	ND	20	ug/L	2.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(73 - 122)
4-Bromofluorobenzene	101	(79 - 119)
Toluene-d8	102	(80 - 120)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Waste Management, Inc.

Client Sample ID: LTM-04

GC/MS Volatiles

Lot-Sample #...: D7J050201-002 Work Order #...: J8CPJ1AA Matrix.....: WATER
Date Sampled...: 10/04/07 14:20 Date Received..: 10/05/07
Prep Date.....: 10/09/07 Analysis Date..: 10/10/07
Prep Batch #...: 7283644 Analysis Time..: 16:22
Dilution Factor: 3.33
Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	330	ug/L	49
Acrylonitrile	ND	330	ug/L	55
Benzene	**5.5 J**	**17**	**ug/L**	**2.3**
Bromodichloromethane	ND	17	ug/L	5.1
Bromoform	ND	17	ug/L	1.6
Bromomethane	ND	33	ug/L	1.6
Carbon tetrachloride	ND	17	ug/L	1.9
Chlorobenzene	ND	17	ug/L	2.3
Dibromochloromethane	ND	17	ug/L	2.4
Chloroethane	ND	33	ug/L	6.8
2-Chloroethyl vinyl ether	ND	17	ug/L	6.2
Chloroform	ND	17	ug/L	3.6
Chloromethane	ND	33	ug/L	3.0
1,1-Dichloroethane	ND	17	ug/L	3.5
1,2-Dichloroethane	ND	17	ug/L	2.2
trans-1,2-Dichloroethene	ND	17	ug/L	2.4
1,1-Dichloroethene	ND	17	ug/L	3.5
1,2-Dichloropropane	ND	17	ug/L	2.8
1,3-Dichloropropene (total)	ND	17	ug/L	2.2
Ethylbenzene	**24**	**17**	**ug/L**	**2.0**
Methylene chloride	**6.9 J,B**	**17**	**ug/L**	**1.9**
1,1,2,2-Tetrachloroethane	ND	17	ug/L	4.1
Tetrachloroethene	ND	17	ug/L	2.4
Toluene	**33**	**17**	**ug/L**	**3.1**
1,1,1-Trichloroethane	ND	17	ug/L	3.8
1,1,2-Trichloroethane	ND	17	ug/L	4.2
Trichloroethene	ND	17	ug/L	3.2
Vinyl chloride	ND	33	ug/L	4.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(73 - 122)
4-Bromofluorobenzene	104	(79 - 119)
Toluene-d8	113	(80 - 120)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Waste Management, Inc.

Client Sample ID: TRIP BLANK 1

GC/MS Volatiles

Lot-Sample #...: D7J050201-003 Work Order #...: J8CPM1AA Matrix.....: WATER
Date Sampled...: 10/04/07 Date Received..: 10/05/07
Prep Date.....: 10/09/07 Analysis Date..: 10/10/07
Prep Batch #...: 7283644 Analysis Time..: 01:57
Dilution Factor: 1

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrolein	ND	100	ug/L	15
Acrylonitrile	ND	100	ug/L	17
Benzene	ND	5.0	ug/L	0.68
Bromodichloromethane	ND	5.0	ug/L	1.5
Bromoform	ND	5.0	ug/L	0.48
Bromomethane	ND	10	ug/L	0.47
Carbon tetrachloride	ND	5.0	ug/L	0.56
Chlorobenzene	ND	5.0	ug/L	0.70
Dibromochloromethane	ND	5.0	ug/L	0.71
Chloroethane	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	1.9
Chloroform	ND	5.0	ug/L	1.1
Chloromethane	ND	10	ug/L	0.89
1,1-Dichloroethane	ND	5.0	ug/L	1.0
1,2-Dichloroethane	ND	5.0	ug/L	0.66
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.71
1,1-Dichloroethene	ND	5.0	ug/L	1.0
1,2-Dichloropropane	ND	5.0	ug/L	0.86
1,3-Dichloropropene (total)	ND	5.0	ug/L	0.66
Ethylbenzene	ND	5.0	ug/L	0.60
Methylene chloride	ND	5.0	ug/L	0.58
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.2
Tetrachloroethene	ND	5.0	ug/L	0.72
Toluene	ND	5.0	ug/L	0.92
1,1,1-Trichloroethane	ND	5.0	ug/L	1.1
1,1,2-Trichloroethane	ND	5.0	ug/L	1.2
Trichloroethene	ND	5.0	ug/L	0.95
Vinyl chloride	ND	10	ug/L	1.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(73 - 122)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	105	(80 - 120)

Waste Management, Inc.

Client Sample ID: LTM-39

GC/MS Semivolatiles

Lot-Sample #...: D7J050201-001 Work Order #...: J8CPD1AC Matrix.....: WATER
Date Sampled...: 10/04/07 11:40 Date Received..: 10/05/07
Prep Date.....: 10/09/07 Analysis Date..: 10/14/07
Prep Batch #...: 7282103 Analysis Time..: 04:34
Dilution Factor: 10
Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	100	ug/L	2.8
Acenaphthylene	ND	100	ug/L	4.9
Anthracene	ND	100	ug/L	4.2
Benzidine	ND	1000	ug/L	500
Benzo(a)anthracene	ND	100	ug/L	3.5
Benzo(b)fluoranthene	ND	100	ug/L	3.9
Benzo(k)fluoranthene	ND	100	ug/L	4.6
Benzo(ghi)perylene	ND	100	ug/L	5.0
Benzo(a)pyrene	ND	100	ug/L	7.4
bis(2-Chloroethoxy) methane	ND	100	ug/L	3.2
bis(2-Chloroethyl)-ether	ND	100	ug/L	4.1
bis(2-Chloroisopropyl) ether	ND	100	ug/L	4.3
bis(2-Ethylhexyl) phthalate	ND	100	ug/L	5.6
4-Bromophenyl phenyl ether	ND	100	ug/L	4.3
Butyl benzyl phthalate	ND	100	ug/L	10
4-Chloro-3-methylphenol	ND	100	ug/L	20
2-Chloronaphthalene	ND	100	ug/L	3.1
2-Chlorophenol	ND	100	ug/L	3.8
4-Chlorophenyl phenyl ether	ND	100	ug/L	6.5
Chrysene	ND	100	ug/L	5.4
Dibenzo(a,h)anthracene	ND	100	ug/L	5.1
Di-n-butyl phthalate	ND	100	ug/L	12
1,2-Dichlorobenzene	ND	100	ug/L	2.8
1,3-Dichlorobenzene	ND	100	ug/L	2.9
1,4-Dichlorobenzene	ND	100	ug/L	3.0
3,3'-Dichlorobenzidine	ND	500	ug/L	20
2,4-Dichlorophenol	ND	100	ug/L	13
Diethyl phthalate	ND	100	ug/L	3.8
2,4-Dimethylphenol	56 J	100	ug/L	5.7
Dimethyl phthalate	ND	100	ug/L	10
4,6-Dinitro-2-methylphenol	ND	500	ug/L	3.5

(Continued on next page)

Waste Management, Inc.

Client Sample ID: LTM-39

GC/MS Semivolatiles

Lot-Sample #...: D7J050201-001 Work Order #...: J8CPD1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	200	ug/L	200
2,4-Dinitrotoluene	ND	100	ug/L	2.5
2,6-Dinitrotoluene	**15 J**	**100**	**ug/L**	**2.3**
Di-n-octyl phthalate	ND	100	ug/L	3.5
1,2-Diphenylhydrazine (as Azobenzene)	ND	100	ug/L	0.33
Fluoranthene	ND	100	ug/L	2.0
Fluorene	ND	100	ug/L	3.1
Hexachlorobenzene	ND	100	ug/L	6.6
Hexachlorobutadiene	ND	100	ug/L	5.1
Hexachlorocyclopenta-diene	ND	500	ug/L	15
Hexachloroethane	ND	100	ug/L	4.6
Indeno(1,2,3-cd)pyrene	ND	100	ug/L	6.5
Isophorone	ND	100	ug/L	2.1
Naphthalene	**11 J**	**100**	**ug/L**	**2.9**
Nitrobenzene	ND	100	ug/L	8.1
2-Nitrophenol	ND	100	ug/L	20
4-Nitrophenol	ND	500	ug/L	17
N-Nitrosodimethylamine	ND	100	ug/L	2.9
N-Nitrosodiphenylamine	ND	100	ug/L	4.4
N-Nitrosodi-n-propyl-amine	ND	100	ug/L	3.5
Pentachlorophenol	ND	500	ug/L	200
Phenanthrene	ND	100	ug/L	2.6
Phenol	**980**	**100**	**ug/L**	**3.1**
Pyrene	ND	100	ug/L	3.7
1,2,4-Trichloro-benzene	ND	100	ug/L	4.5
2,4,6-Trichloro-phenol	ND	100	ug/L	3.7

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(49 - 120)
Phenol-d5	NC,DIL	(54 - 120)
Nitrobenzene-d5	NC,DIL	(56 - 120)
2-Fluorobiphenyl	NC,DIL	(52 - 120)
2,4,6-Tribromophenol	NC,DIL	(56 - 120)
Terphenyl-d14	NC,DIL	(50 - 120)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

Waste Management, Inc.

Client Sample ID: LTM-04

GC/MS Semivolatiles

Lot-Sample #...: D7J050201-002 Work Order #...: J8CPJ1AC Matrix.....: WATER
Date Sampled...: 10/04/07 14:20 Date Received..: 10/05/07
Prep Date.....: 10/09/07 Analysis Date..: 10/14/07
Prep Batch #...: 7282103 Analysis Time..: 04:56
Dilution Factor: 10

Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	100	ug/L	2.8
Acenaphthylene	ND	100	ug/L	4.9
Anthracene	ND	100	ug/L	4.2
Benzidine	ND	1000	ug/L	500
Benzo(a)anthracene	ND	100	ug/L	3.5
Benzo(b)fluoranthene	ND	100	ug/L	3.9
Benzo(k)fluoranthene	ND	100	ug/L	4.6
Benzo(ghi)perylene	ND	100	ug/L	5.0
Benzo(a)pyrene	ND	100	ug/L	7.4
bis(2-Chloroethoxy) methane	ND	100	ug/L	3.2
bis(2-Chloroethyl)-ether	ND	100	ug/L	4.1
bis(2-Chloroisopropyl) ether	ND	100	ug/L	4.3
bis(2-Ethylhexyl) phthalate	ND	100	ug/L	5.6
4-Bromophenyl phenyl ether	ND	100	ug/L	4.3
Butyl benzyl phthalate	ND	100	ug/L	10
4-Chloro-3-methylphenol	ND	100	ug/L	20
2-Chloronaphthalene	ND	100	ug/L	3.1
2-Chlorophenol	ND	100	ug/L	3.8
4-Chlorophenyl phenyl ether	ND	100	ug/L	6.5
Chrysene	ND	100	ug/L	5.4
Dibenzo(a,h)anthracene	ND	100	ug/L	5.1
Di-n-butyl phthalate	ND	100	ug/L	12
1,2-Dichlorobenzene	ND	100	ug/L	2.8
1,3-Dichlorobenzene	ND	100	ug/L	2.9
1,4-Dichlorobenzene	ND	100	ug/L	3.0
3,3'-Dichlorobenzidine	ND	500	ug/L	20
2,4-Dichlorophenol	ND	100	ug/L	13
Diethyl phthalate	ND	100	ug/L	3.8
2,4-Dimethylphenol	23 J	100	ug/L	5.7
Dimethyl phthalate	ND	100	ug/L	10
4,6-Dinitro-2-methylphenol	ND	500	ug/L	3.5

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Waste Management, Inc.

Client Sample ID: LTM-04

GC/MS Semivolatiles

Lot-Sample #...: D7J050201-002 Work Order #...: J8CPJ1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	200	ug/L	200
2,4-Dinitrotoluene	ND	100	ug/L	2.5
2,6-Dinitrotoluene	ND	100	ug/L	2.3
Di-n-octyl phthalate	ND	100	ug/L	3.5
1,2-Diphenylhydrazine (as Azobenzene)	ND	100	ug/L	0.33
Fluoranthene	ND	100	ug/L	2.0
Fluorene	ND	100	ug/L	3.1
Hexachlorobenzene	ND	100	ug/L	6.6
Hexachlorobutadiene	ND	100	ug/L	5.1
Hexachlorocyclopenta-diene	ND	500	ug/L	15
Hexachloroethane	ND	100	ug/L	4.6
Indeno(1,2,3-cd)pyrene	ND	100	ug/L	6.5
Isophorone	ND	100	ug/L	2.1
Naphthalene	**10 J**	**100**	**ug/L**	**2.9**
Nitrobenzene	ND	100	ug/L	8.1
2-Nitrophenol	ND	100	ug/L	20
4-Nitrophenol	ND	500	ug/L	17
N-Nitrosodimethylamine	ND	100	ug/L	2.9
N-Nitrosodiphenylamine	ND	100	ug/L	4.4
N-Nitrosodi-n-propyl-amine	ND	100	ug/L	3.5
Pentachlorophenol	ND	500	ug/L	200
Phenanthrene	ND	100	ug/L	2.6
Phenol	**50 J**	**100**	**ug/L**	**3.1**
Pyrene	ND	100	ug/L	3.7
1,2,4-Trichloro-benzene	ND	100	ug/L	4.5
2,4,6-Trichloro-phenol	ND	100	ug/L	3.7

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(49 - 120)
Phenol-d5	NC,DIL	(54 - 120)
Nitrobenzene-d5	NC,DIL	(56 - 120)
2-Fluorobiphenyl	NC,DIL	(52 - 120)
2,4,6-Tribromophenol	NC,DIL	(56 - 120)
Terphenyl-d14	NC,DIL	(50 - 120)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

Waste Management, Inc.

Client Sample ID: LTM-39

GC Semivolatiles

Lot-Sample #...: D7J050201-001 Work Order #...: J8CPD1AD Matrix.....: WATER
Date Sampled...: 10/04/07 11:40 Date Received..: 10/05/07
Prep Date.....: 10/08/07 Analysis Date..: 10/11/07
Prep Batch #...: 7281470 Analysis Time..: 01:45
Dilution Factor: 1

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.50	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
Chlordane (technical)	ND	0.50	ug/L	0.14
4,4'-DDD	ND	0.10	ug/L	0.0077
4,4'-DDE	ND	0.10	ug/L	0.0075
4,4'-DDT	ND	0.10	ug/L	0.015
Dieldrin	ND	0.10	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.10	ug/L	0.0070
Endosulfan sulfate	ND	0.10	ug/L	0.0057
Endrin	ND	0.10	ug/L	0.0079
Endrin aldehyde	ND	0.10	ug/L	0.0088
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Toxaphene	ND	5.0	ug/L	0.37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 *	(48 - 127)
Tetrachloro-m-xylene	24 *	(40 - 107)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Waste Management, Inc.

Client Sample ID: LTM-39

GC Semivolatiles

Lot-Sample #...: D7J050201-001 Work Order #...: J8CPD2AD Matrix.....: WATER
Date Sampled...: 10/04/07 11:40 Date Received..: 10/05/07
Prep Date.....: 10/08/07 Analysis Date..: 10/13/07
Prep Batch #...: 7281470 Analysis Time..: 19:11
Dilution Factor: 1

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	2.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	1.6 *	(48 - 127)
Tetrachloro-m-xylene	34 *	(40 - 107)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Waste Management, Inc.

Client Sample ID: LTM-04

GC Semivolatiles

Lot-Sample #...: D7J050201-002 Work Order #...: J8CPJ1AD Matrix.....: WATER
Date Sampled...: 10/04/07 14:20 Date Received..: 10/05/07
Prep Date.....: 10/08/07 Analysis Date..: 10/11/07
Prep Batch #...: 7281470 Analysis Time..: 02:03
Dilution Factor: 1
Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.50	ug/L	0.0053
beta-BHC	**0.026 J,COL**	**0.050**	**ug/L**	**0.0087**
delta-BHC	**0.018 J,COL**	**0.050**	**ug/L**	**0.0058**
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
Chlordane (technical)	ND	0.50	ug/L	0.14
4,4'-DDD	ND	0.10	ug/L	0.0077
4,4'-DDE	ND	0.10	ug/L	0.0075
4,4'-DDT	ND	0.10	ug/L	0.015
Dieldrin	ND	0.10	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.10	ug/L	0.0070
Endosulfan sulfate	ND	0.10	ug/L	0.0057
Endrin	ND	0.10	ug/L	0.0079
Endrin aldehyde	ND	0.10	ug/L	0.0088
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Toxaphene	ND	5.0	ug/L	0.37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 *	(48 - 127)
Tetrachloro-m-xylene	36 *	(40 - 107)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

Waste Management, Inc.

Client Sample ID: LTM-04

GC Semivolatiles

Lot-Sample #...: D7J050201-002 Work Order #...: J8CPJ2AD Matrix.....: WATER
Date Sampled...: 10/04/07 14:20 Date Received..: 10/05/07
Prep Date.....: 10/08/07 Analysis Date..: 10/13/07
Prep Batch #...: 7281470 Analysis Time..: 19:34
Dilution Factor: 1

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	2.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	2.3 *	(48 - 127)
Tetrachloro-m-xylene	48	(40 - 107)

NOTE(S):

* Surrogate recovery is outside stated control limits.

QC DATA ASSOCIATION SUMMARY

D7J050201

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	CFR136A 608		7281470	7281287
	WATER	CFR136A 624		7283644	7283337
	WATER	CFR136A 625		7282103	7282069
002	WATER	CFR136A 608		7281470	7281287
	WATER	CFR136A 624		7283644	7283337
	WATER	CFR136A 625		7282103	7282069
003	WATER	CFR136A 624		7283644	7283337

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D7J050201 Work Order #...: J8NET1AA Matrix.....: WATER
MB Lot-Sample #: D7J100000-644

Prep Date.....: 10/09/07 Analysis Time..: 19:38
Analysis Date..: 10/09/07 Prep Batch #...: 7283644
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acrolein	ND	100	ug/L	CFR136A 624
Acrylonitrile	ND	100	ug/L	CFR136A 624
Benzene	ND	5.0	ug/L	CFR136A 624
Bromodichloromethane	ND	5.0	ug/L	CFR136A 624
Bromoform	ND	5.0	ug/L	CFR136A 624
Bromomethane	ND	10	ug/L	CFR136A 624
Carbon tetrachloride	ND	5.0	ug/L	CFR136A 624
Chlorobenzene	ND	5.0	ug/L	CFR136A 624
Dibromochloromethane	ND	5.0	ug/L	CFR136A 624
Chloroethane	ND	10	ug/L	CFR136A 624
2-Chloroethyl vinyl ether	ND	5.0	ug/L	CFR136A 624
Chloroform	ND	5.0	ug/L	CFR136A 624
Chloromethane	ND	10	ug/L	CFR136A 624
1,1-Dichloroethane	ND	5.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	5.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	5.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	5.0	ug/L	CFR136A 624
1,2-Dichloropropane	ND	5.0	ug/L	CFR136A 624
1,3-Dichloropropene (total)	ND	5.0	ug/L	CFR136A 624
Ethylbenzene	ND	5.0	ug/L	CFR136A 624
Methylene chloride	**1.7 J**	**5.0**	**ug/L**	**CFR136A 624**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	CFR136A 624
Tetrachloroethene	ND	5.0	ug/L	CFR136A 624
Toluene	ND	5.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	5.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	5.0	ug/L	CFR136A 624
Trichloroethene	ND	5.0	ug/L	CFR136A 624
Vinyl chloride	ND	10	ug/L	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	80	(73 - 122)
4-Bromofluorobenzene	101	(79 - 119)
Toluene-d8	107	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D7J050201 Work Order #...: J8NET1AC Matrix.....: WATER
LCS Lot-Sample#: D7J100000-644
Prep Date.....: 10/09/07 Analysis Date..: 10/09/07
Prep Batch #...: 7283644 Analysis Time..: 18:57
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acrolein	140	(39 - 188)	CFR136A 624
1,2-Dichlorobenzene	109	(18 - 190)	CFR136A 624
Acrylonitrile	95	(48 - 149)	CFR136A 624
1,3-Dichlorobenzene	113	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	111	(18 - 190)	CFR136A 624
Benzene	89	(37 - 151)	CFR136A 624
Bromodichloromethane	77	(35 - 155)	CFR136A 624
Bromoform	98	(45 - 169)	CFR136A 624
Bromomethane	53	(10 - 242)	CFR136A 624
cis-1,3-Dichloropropene	87	(10 - 227)	CFR136A 624
Carbon tetrachloride	85	(70 - 140)	CFR136A 624
Chlorobenzene	103	(37 - 160)	CFR136A 624
Dibromochloromethane	99	(53 - 149)	CFR136A 624
trans-1,3-Dichloropropene	103	(17 - 183)	CFR136A 624
Trichlorofluoromethane	88	(17 - 181)	CFR136A 624
Chloroethane	87	(14 - 230)	CFR136A 624
2-Chloroethyl vinyl ether	74	(10 - 305)	CFR136A 624
1,4-Dioxane	66	(25 - 141)	CFR136A 624
Hexane	89	(69 - 143)	CFR136A 624
Acetone	89	(42 - 170)	CFR136A 624
Chloroform	90	(51 - 138)	CFR136A 624
Xylenes (total)	107	(50 - 150)	CFR136A 624
Chloromethane	80	(10 - 273)	CFR136A 624
1,1-Dichloroethane	89	(59 - 155)	CFR136A 624
1,2-Dichloroethane	83	(49 - 155)	CFR136A 624
trans-1,2-Dichloroethene	104	(54 - 156)	CFR136A 624
1,1-Dichloroethene	119	(10 - 234)	CFR136A 624
1,2-Dichloropropane	77	(10 - 210)	CFR136A 624
1,3-Dichloropropene (total)	95	(17 - 183)	CFR136A 624
Ethylbenzene	104	(37 - 162)	CFR136A 624
Methylene chloride	96	(10 - 221)	CFR136A 624
1,1,2,2-Tetrachloroethane	101	(46 - 157)	CFR136A 624
Tetrachloroethene	103	(64 - 148)	CFR136A 624

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D7J050201 Work Order #...: J8NET1AC Matrix.....: WATER
LCS Lot-Sample#: D7J100000-644

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Toluene	102	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	92	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	99	(52 - 150)	CFR136A 624
Trichloroethene	83	(71 - 157)	CFR136A 624
Vinyl chloride	66	(10 - 251)	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(73 - 122)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	106	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D7J050201 Work Order #...: J8NET1AC Matrix.....: WATER
LCS Lot-Sample#: D7J100000-644
Prep Date.....: 10/09/07 Analysis Date..: 10/09/07
Prep Batch #...: 7283644 Analysis Time..: 18:57
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acrolein	200	280	ug/L	140	CFR136A 624
1,2-Dichlorobenzene	20.0	21.8	ug/L	109	CFR136A 624
Acrylonitrile	200	190	ug/L	95	CFR136A 624
1,3-Dichlorobenzene	20.0	22.7	ug/L	113	CFR136A 624
1,4-Dichlorobenzene	20.0	22.1	ug/L	111	CFR136A 624
Benzene	20.0	17.9	ug/L	89	CFR136A 624
Bromodichloromethane	20.0	15.5	ug/L	77	CFR136A 624
Bromoform	20.0	19.7	ug/L	98	CFR136A 624
Bromomethane	20.0	10.6	ug/L	53	CFR136A 624
cis-1,3-Dichloropropene	20.0	17.3	ug/L	87	CFR136A 624
Carbon tetrachloride	20.0	17.0	ug/L	85	CFR136A 624
Chlorobenzene	20.0	20.6	ug/L	103	CFR136A 624
Dibromochloromethane	20.0	19.9	ug/L	99	CFR136A 624
trans-1,3-Dichloropropene	20.0	20.6	ug/L	103	CFR136A 624
Trichlorofluoromethane	20.0	17.5	ug/L	88	CFR136A
Chloroethane	20.0	17.4	ug/L	87	CFR136A 624
2-Chloroethyl vinyl ether	20.0	14.8	ug/L	74	CFR136A 624
1,4-Dioxane	1000	663	ug/L	66	CFR136A 624
Hexane	20.0	17.7	ug/L	89	CFR136A 624
Acetone	40.0	35.5	ug/L	89	CFR136A 624
Chloroform	20.0	18.0	ug/L	90	CFR136A 624
Xylenes (total)	60.0	64.2	ug/L	107	CFR136A 624
Chloromethane	20.0	16.0	ug/L	80	CFR136A 624
1,1-Dichloroethane	20.0	17.8	ug/L	89	CFR136A 624
1,2-Dichloroethane	20.0	16.6	ug/L	83	CFR136A 624
trans-1,2-Dichloroethene	20.0	20.8	ug/L	104	CFR136A 624
1,1-Dichloroethene	20.0	23.8	ug/L	119	CFR136A 624
1,2-Dichloropropane	20.0	15.5	ug/L	77	CFR136A 624
1,3-Dichloropropene (total)	40.0	38.0	ug/L	95	CFR136A 624
Ethylbenzene	20.0	20.8	ug/L	104	CFR136A 624
Methylene chloride	20.0	19.1	ug/L	96	CFR136A 624
1,1,2,2-Tetrachloroethane	20.0	20.2	ug/L	101	CFR136A 624
Tetrachloroethene	20.0	20.7	ug/L	103	CFR136A 624

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D7J050201 Work Order #...: J8NET1AC Matrix.....: WATER
LCS Lot-Sample#: D7J100000-644

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Toluene	20.0	20.5	ug/L	102	CFR136A 62
1,1,1-Trichloroethane	20.0	18.4	ug/L	92	CFR136A 62
1,1,2-Trichloroethane	20.0	19.7	ug/L	99	CFR136A 62
Trichloroethene	20.0	16.6	ug/L	83	CFR136A 62
Vinyl chloride	20.0	13.3	ug/L	66	CFR136A 62

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(73 - 122)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	106	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D7J050201 Work Order #...: J78W71AF-MS Matrix.....: WATER
MS Lot-Sample #: D7J040198-001 J78W71AG-MSD
Date Sampled...: 10/03/07 09:15 Date Received..: 10/04/07
Prep Date.....: 10/09/07 Analysis Date..: 10/09/07
Prep Batch #...: 7283644 Analysis Time..: 20:18
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acrolein	129	(39 - 188)			CFR136A 624
	131	(39 - 188)	1.0	(0-30)	CFR136A 624
1,2-Dichlorobenzene	112	(18 - 190)			CFR136A 624
	111	(18 - 190)	0.87	(0-30)	CFR136A 624
Acrylonitrile	100	(48 - 149)			CFR136A 624
	102	(48 - 149)	1.1	(0-30)	CFR136A 624
1,3-Dichlorobenzene	114	(59 - 156)			CFR136A 624
	114	(59 - 156)	0.14	(0-30)	CFR136A 624
1,4-Dichlorobenzene	118	(18 - 190)			CFR136A 624
	117	(18 - 190)	1.2	(0-30)	CFR136A 624
Benzene	89	(37 - 151)			CFR136A 624
	87	(37 - 151)	2.0	(0-30)	CFR136A 624
Bromodichloromethane	77	(35 - 155)			CFR136A 624
	78	(35 - 155)	1.7	(0-30)	CFR136A 624
Bromoform	105	(45 - 169)			CFR136A 624
	114	(45 - 169)	7.6	(0-30)	CFR136A 624
Bromomethane	30	(10 - 242)			CFR136A 624
	62 p	(10 - 242)	70	(0-30)	CFR136A 624
cis-1,3-Dichloropropene	88	(10 - 227)			CFR136A 624
	85	(10 - 227)	3.9	(0-30)	CFR136A 624
Carbon tetrachloride	83	(70 - 140)			CFR136A 624
	86	(70 - 140)	4.5	(0-30)	CFR136A 624
Chlorobenzene	103	(37 - 160)			CFR136A 624
	104	(37 - 160)	0.47	(0-30)	CFR136A 624
Dibromochloromethane	101	(53 - 149)			CFR136A 624
	103	(53 - 149)	2.5	(0-30)	CFR136A 624
trans-1,3-Dichloropropene	105	(17 - 183)			CFR136A 624
	108	(17 - 183)	2.7	(0-30)	CFR136A 624
Trichlorofluoromethane	90	(17 - 181)			CFR136A 624
	84	(17 - 181)	7.1	(0-30)	CFR136A 624
Chloroethane	82	(14 - 230)			CFR136A 624
	84	(14 - 230)	3.5	(0-30)	CFR136A 624
2-Chloroethyl vinyl ether	71	(10 - 305)			CFR136A 624
	75	(10 - 305)	5.5	(0-45)	CFR136A 624
1,4-Dioxane	93	(25 - 141)			CFR136A 624
	102	(25 - 141)	10	(0-20)	CFR136A 624
Hexane	92	(69 - 143)			CFR136A 624
	95	(69 - 143)	3.4	(0-20)	CFR136A 624
Acetone	87	(42 - 170)			CFR136A 624
	83	(42 - 170)	4.7	(0-20)	CFR136A 624

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D7J050201 Work Order #...: J78W71AF-MS Matrix.....: WATER
MS Lot-Sample #: D7J040198-001 J78W71AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Chloroform	87	(51 - 138)			CFR136A 624
	83	(51 - 138)	4.4	(0-30)	CFR136A 624
Xylenes (total)	102	(50 - 150)			CFR136A 624
	105	(50 - 150)	3.4	(0-30)	CFR136A 624
Chloromethane	68	(10 - 273)			CFR136A 624
	62	(10 - 273)	8.2	(0-30)	CFR136A 624
1,1-Dichloroethane	86	(59 - 155)			CFR136A 624
	85	(59 - 155)	0.91	(0-30)	CFR136A 624
1,2-Dichloroethane	80	(49 - 155)			CFR136A 624
	83	(49 - 155)	3.1	(0-30)	CFR136A 624
trans-1,2-Dichloroethene	94	(54 - 156)			CFR136A 624
	101	(54 - 156)	7.0	(0-30)	CFR136A 624
1,1-Dichloroethene	114	(10 - 234)			CFR136A 624
	119	(10 - 234)	3.8	(0-30)	CFR136A 624
1,2-Dichloropropane	73	(10 - 210)			CFR136A 624
	75	(10 - 210)	2.5	(0-30)	CFR136A 624
1,3-Dichloropropene (total)	97	(17 - 183)			CFR136A 624
	96	(17 - 183)	0.22	(0-30)	CFR136A 624
Ethylbenzene	105	(37 - 162)			CFR136A 624
	107	(37 - 162)	1.6	(0-30)	CFR136A 624
Methylene chloride	81	(10 - 221)			CFR136A 624
	89	(10 - 221)	8.6	(0-30)	CFR136A 624
1,1,2,2-Tetrachloroethane	113	(46 - 157)			CFR136A 624
	108	(46 - 157)	4.2	(0-30)	CFR136A 624
Tetrachloroethene	103	(64 - 148)			CFR136A 624
	106	(64 - 148)	2.4	(0-30)	CFR136A 624
Toluene	107	(47 - 150)			CFR136A 624
	105	(47 - 150)	1.6	(0-30)	CFR136A 624
1,1,1-Trichloroethane	88	(52 - 162)			CFR136A 624
	87	(52 - 162)	0.57	(0-30)	CFR136A 624
1,1,2-Trichloroethane	102	(52 - 150)			CFR136A 624
	108	(52 - 150)	5.9	(0-30)	CFR136A 624
Trichloroethene	83	(71 - 157)			CFR136A 624
	85	(71 - 157)	2.1	(0-30)	CFR136A 624
Vinyl chloride	62	(10 - 251)			CFR136A 624
	59	(10 - 251)	5.1	(0-30)	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	87	(73 - 122)
	85	(73 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D7J050201 Work Order #...: J78W71AF-MS Matrix.....: WATER
MS Lot-Sample #: D7J040198-001 J78W71AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	99	(79 - 119)
	100	(79 - 119)
Toluene-d8	105	(80 - 120)
	109	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D7J050201 Work Order #...: J78W71AF-MS Matrix.....: WATER
MS Lot-Sample #: D7J040198-001 J78W71AG-MSD
Date Sampled...: 10/03/07 09:15 Date Received..: 10/04/07
Prep Date.....: 10/09/07 Analysis Date..: 10/09/07
Prep Batch #...: 7283644 Analysis Time..: 20:18
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acrolein	ND	200	259	ug/L	129		CFR136A 624
	ND	200	262	ug/L	131	1.0	CFR136A 624
1,2-Dichlorobenzene	ND	20.0	22.5	ug/L	112		CFR136A 624
	ND	20.0	22.3	ug/L	111	0.87	CFR136A 624
Acrylonitrile	ND	200	201	ug/L	100		CFR136A 624
	ND	200	203	ug/L	102	1.1	CFR136A 624
1,3-Dichlorobenzene	ND	20.0	22.8	ug/L	114		CFR136A 624
	ND	20.0	22.8	ug/L	114	0.14	CFR136A 624
1,4-Dichlorobenzene	ND	20.0	23.6	ug/L	118		CFR136A 624
	ND	20.0	23.3	ug/L	117	1.2	CFR136A 624
Benzene	ND	20.0	17.8	ug/L	89		CFR136A 624
	ND	20.0	17.5	ug/L	87	2.0	CFR136A 624
Bromodichloromethane	ND	20.0	15.3	ug/L	77		CFR136A 624
	ND	20.0	15.6	ug/L	78	1.7	CFR136A 624
Bromoform	ND	20.0	21.1	ug/L	105		CFR136A 624
	ND	20.0	22.7	ug/L	114	7.6	CFR136A 624
Bromomethane	ND	20.0	5.92	ug/L	30		CFR136A 624
	ND	20.0	12.4	ug/L	62 p	70	CFR136A 624
cis-1,3-Dichloropropene	ND	20.0	17.7	ug/L	88		CFR136A 624
	ND	20.0	17.0	ug/L	85	3.9	CFR136A 624
Carbon tetrachloride	ND	20.0	16.5	ug/L	83		CFR136A 624
	ND	20.0	17.3	ug/L	86	4.5	CFR136A 624
Chlorobenzene	ND	20.0	20.7	ug/L	103		CFR136A 624
	ND	20.0	20.8	ug/L	104	0.47	CFR136A 624
Dibromochloromethane	ND	20.0	20.2	ug/L	101		CFR136A 624
	ND	20.0	20.7	ug/L	103	2.5	CFR136A 624
trans-1,3-Dichloropropene	ND	20.0	21.0	ug/L	105		CFR136A 624
	ND	20.0	21.6	ug/L	108	2.7	CFR136A 624
Trichlorofluoromethane	ND	20.0	18.0	ug/L	90		CFR136A 624
	ND	20.0	16.8	ug/L	84	7.1	CFR136A 624
Chloroethane	ND	20.0	16.3	ug/L	82		CFR136A 624
	ND	20.0	16.9	ug/L	84	3.5	CFR136A 624
2-Chloroethyl vinyl ether	ND	20.0	14.2	ug/L	71		CFR136A 624
	ND	20.0	15.0	ug/L	75	5.5	CFR136A 624
1,4-Dioxane	ND	1000	927	ug/L	93		CFR136A 624
	ND	1000	1020	ug/L	102	10	CFR136A 624
Hexane	ND	20.0	18.5	ug/L	92		CFR136A 624
	ND	20.0	19.1	ug/L	95	3.4	CFR136A 624
Acetone	ND	40.0	34.9	ug/L	87		CFR136A 624
	ND	40.0	33.3	ug/L	83	4.7	CFR136A 624

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D7J050201 Work Order #...: J78W71AF-MS Matrix.....: WATER
MS Lot-Sample #: D7J040198-001 J78W71AG-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Chloroform	ND	20.0	17.3	ug/L	87		CFR136A 624
	ND	20.0	16.6	ug/L	83	4.4	CFR136A 624
Xylenes (total)	ND	60.0	61.1	ug/L	102		CFR136A 624
	ND	60.0	63.2	ug/L	105	3.4	CFR136A 624
Chloromethane	ND	20.0	13.5	ug/L	68		CFR136A 624
	ND	20.0	12.4	ug/L	62	8.2	CFR136A 624
1,1-Dichloroethane	ND	20.0	17.2	ug/L	86		CFR136A 624
	ND	20.0	17.0	ug/L	85	0.91	CFR136A 624
1,2-Dichloroethane	ND	20.0	16.1	ug/L	80		CFR136A 624
	ND	20.0	16.6	ug/L	83	3.1	CFR136A 624
trans-1,2-Dichloroethene	ND	20.0	18.8	ug/L	94		CFR136A 624
	ND	20.0	20.1	ug/L	101	7.0	CFR136A 624
1,1-Dichloroethene	ND	20.0	22.9	ug/L	114		CFR136A 624
	ND	20.0	23.8	ug/L	119	3.8	CFR136A 624
1,2-Dichloropropane	ND	20.0	14.7	ug/L	73		CFR136A 624
	ND	20.0	15.1	ug/L	75	2.5	CFR136A 624
1,3-Dichloropropene (total)	ND	40.0	38.7	ug/L	97		CFR136A 624
	ND	40.0	38.6	ug/L	96	0.22	CFR136A 624
Ethylbenzene	ND	20.0	21.1	ug/L	105		CFR136A 624
	ND	20.0	21.4	ug/L	107	1.6	CFR136A 624
Methylene chloride	1.5	20.0	17.6	ug/L	81		CFR136A 624
	1.5	20.0	19.2	ug/L	89	8.6	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	20.0	22.6	ug/L	113		CFR136A 624
	ND	20.0	21.6	ug/L	108	4.2	CFR136A 624
Tetrachloroethene	ND	20.0	20.7	ug/L	103		CFR136A 624
	ND	20.0	21.2	ug/L	106	2.4	CFR136A 624
Toluene	ND	20.0	21.3	ug/L	107		CFR136A 624
	ND	20.0	21.0	ug/L	105	1.6	CFR136A 624
1,1,1-Trichloroethane	ND	20.0	17.6	ug/L	88		CFR136A 624
	ND	20.0	17.5	ug/L	87	0.57	CFR136A 624
1,1,2-Trichloroethane	ND	20.0	20.4	ug/L	102		CFR136A 624
	ND	20.0	21.6	ug/L	108	5.9	CFR136A 624
Trichloroethene	1.5	20.0	18.1	ug/L	83		CFR136A 624
	1.5	20.0	18.5	ug/L	85	2.1	CFR136A 624
Vinyl chloride	ND	20.0	12.5	ug/L	62		CFR136A 624
	ND	20.0	11.9	ug/L	59	5.1	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	87	(73 - 122)
	85	(73 - 122)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D7J050201 Work Order #...: J78W71AF-MS Matrix.....: WATER
MS Lot-Sample #: D7J040198-001 J78W71AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	99	(79 - 119)
	100	(79 - 119)
Toluene-d8	105	(80 - 120)
	109	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8G7E1AA Matrix.....: WATER
MB Lot-Sample #: D7J090000-103

Prep Date.....: 10/09/07 Analysis Time..: 17:49
Analysis Date..: 10/13/07 Prep Batch #...: 7282103
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	CFR136A 625
Acenaphthylene	ND	10	ug/L	CFR136A 625
Anthracene	ND	10	ug/L	CFR136A 625
Benzidine	ND	100	ug/L	CFR136A 625
Benzo(a)anthracene	ND	10	ug/L	CFR136A 625
Benzo(b)fluoranthene	ND	10	ug/L	CFR136A 625
Benzo(k)fluoranthene	ND	10	ug/L	CFR136A 625
Benzo(ghi)perylene	ND	10	ug/L	CFR136A 625
Benzo(a)pyrene	ND	10	ug/L	CFR136A 625
bis(2-Chloroethoxy) methane	ND	10	ug/L	CFR136A 625
bis(2-Chloroethyl)-ether	ND	10	ug/L	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	10	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	CFR136A 625
4-Bromophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Butyl benzyl phthalate	ND	10	ug/L	CFR136A 625
4-Chloro-3-methylphenol	ND	10	ug/L	CFR136A 625
2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
2-Chlorophenol	ND	10	ug/L	CFR136A 625
4-Chlorophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Chrysene	ND	10	ug/L	CFR136A 625
Dibenzo(a,h)anthracene	ND	10	ug/L	CFR136A 625
Di-n-butyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,3-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,4-Dichlorobenzene	ND	10	ug/L	CFR136A 625
3,3'-Dichlorobenzidine	ND	50	ug/L	CFR136A 625
2,4-Dichlorophenol	ND	10	ug/L	CFR136A 625
Diethyl phthalate	ND	10	ug/L	CFR136A 625
2,4-Dimethylphenol	ND	10	ug/L	CFR136A 625
Dimethyl phthalate	ND	10	ug/L	CFR136A 625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	CFR136A 625
2,4-Dinitrophenol	ND	20	ug/L	CFR136A 625
2,4-Dinitrotoluene	ND	10	ug/L	CFR136A 625
2,6-Dinitrotoluene	ND	10	ug/L	CFR136A 625

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8G7E1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Di-n-octyl phthalate	ND	10	ug/L	CFR136A 625
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	ug/L	CFR136A 625
Fluoranthene	ND	10	ug/L	CFR136A 625
Fluorene	ND	10	ug/L	CFR136A 625
Hexachlorobenzene	ND	10	ug/L	CFR136A 625
Hexachlorobutadiene	ND	10	ug/L	CFR136A 625
Hexachlorocyclopenta-diene	ND	50	ug/L	CFR136A 625
Hexachloroethane	ND	10	ug/L	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	CFR136A 625
Isophorone	ND	10	ug/L	CFR136A 625
Naphthalene	ND	10	ug/L	CFR136A 625
Nitrobenzene	ND	10	ug/L	CFR136A 625
2-Nitrophenol	ND	10	ug/L	CFR136A 625
4-Nitrophenol	ND	50	ug/L	CFR136A 625
N-Nitrosodimethylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodiphenylamine	ND	10	ug/L	CFR136A 625
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	CFR136A 625
Pentachlorophenol	ND	50	ug/L	CFR136A 625
Phenanthrene	ND	10	ug/L	CFR136A 625
Phenol	ND	10	ug/L	CFR136A 625
Pyrene	ND	10	ug/L	CFR136A 625
1,2,4-Trichloro-benzene	ND	10	ug/L	CFR136A 625
2,4,6-Trichloro-phenol	ND	10	ug/L	CFR136A 625

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(49 - 120)
Phenol-d5	81	(54 - 120)
Nitrobenzene-d5	82	(56 - 120)
2-Fluorobiphenyl	76	(52 - 120)
2,4,6-Tribromophenol	79	(56 - 120)
Terphenyl-d14	101	(50 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8G7E1AC Matrix.....: WATER
LCS Lot-Sample#: D7J090000-103
Prep Date.....: 10/09/07 Analysis Date..: 10/13/07
Prep Batch #...: 7282103 Analysis Time..: 18:36
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	89	(58 - 120)	CFR136A 625
Acenaphthylene	88	(58 - 120)	CFR136A 625
Anthracene	91	(62 - 120)	CFR136A 625
Benzidine	55	(10 - 218)	CFR136A 625
Benzo(a)anthracene	93	(60 - 120)	CFR136A 625
Benzo(b)fluoranthene	92	(55 - 120)	CFR136A 625
Benzo(k)fluoranthene	92	(57 - 120)	CFR136A 625
Benzo(ghi)perylene	91	(52 - 120)	CFR136A 625
Benzo(a)pyrene	85	(58 - 120)	CFR136A 625
bis(2-Chloroethoxy) methane	84	(56 - 120)	CFR136A 625
bis(2-Chloroethyl)- ether	80	(55 - 120)	CFR136A 625
bis(2-Chloroisopropyl) ether	84	(57 - 120)	CFR136A 625
bis(2-Ethylhexyl) phthalate	96	(58 - 120)	CFR136A 625
4-Bromophenyl phenyl ether	93	(61 - 120)	CFR136A 625
Butyl benzyl phthalate	91	(60 - 120)	CFR136A 625
4-Chloro-3-methylphenol	94	(63 - 120)	CFR136A 625
2-Chloronaphthalene	89	(60 - 118)	CFR136A 625
2-Chlorophenol	84	(57 - 120)	CFR136A 625
4-Methylphenol	90	(58 - 120)	CFR136A 625
2-Methylphenol	82	(56 - 120)	CFR136A 625
n-Decane	64	(28 - 120)	CFR136A 625
4-Chlorophenyl phenyl ether	90	(60 - 120)	CFR136A 625
2-Methylnaphthalene	86	(57 - 120)	CFR136A 625
Chrysene	92	(60 - 120)	CFR136A 625
Dibenzo(a,h)anthracene	92	(58 - 120)	CFR136A 625
Di-n-butyl phthalate	92	(62 - 118)	CFR136A 625
1,2-Dichlorobenzene	75	(48 - 120)	CFR136A 625
1,3-Dichlorobenzene	70	(45 - 120)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8G7E1AC Matrix.....: WATER
LCS Lot-Sample#: D7J090000-103

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,4-Dichlorobenzene	70	(45 - 120)	CFR136A 625
3,3'-Dichlorobenzidine	82	(34 - 120)	CFR136A 625
2,4-Dichlorophenol	93	(60 - 120)	CFR136A 625
Diethyl phthalate	91	(61 - 114)	CFR136A 625
2,4-Dimethylphenol	58	(44 - 119)	CFR136A 625
Dimethyl phthalate	93	(61 - 112)	CFR136A 625
4,6-Dinitro-2-methylphenol	79	(41 - 120)	CFR136A 625
2,4-Dinitrophenol	73	(36 - 121)	CFR136A 625
2,4-Dinitrotoluene	92	(60 - 120)	CFR136A 625
2,6-Dinitrotoluene	86	(61 - 120)	CFR136A 625
Di-n-octyl phthalate	95	(59 - 120)	CFR136A 625
Fluoranthene	97	(59 - 120)	CFR136A 625
Fluorene	89	(60 - 120)	CFR136A 625
Hexachlorobenzene	93	(62 - 120)	CFR136A 625
Hexachlorobutadiene	76	(49 - 116)	CFR136A 625
Hexachlorocyclopentadiene	17	(10 - 120)	CFR136A 625
Hexachloroethane	67	(43 - 113)	CFR136A 625
Indeno(1,2,3-cd)pyrene	92	(56 - 120)	CFR136A 625
Isophorone	91	(54 - 120)	CFR136A 625
Naphthalene	79	(52 - 120)	CFR136A 625
Nitrobenzene	87	(58 - 120)	CFR136A 625
2-Nitrophenol	89	(59 - 120)	CFR136A 625
4-Nitrophenol	91	(53 - 120)	CFR136A 625
N-Nitrosodimethylamine	80	(52 - 120)	CFR136A 625
N-Nitrosodiphenylamine	74	(10 - 203)	CFR136A 625
N-Nitrosodi-n-propylamine	88	(58 - 120)	CFR136A 625
Pentachlorophenol	93	(49 - 120)	CFR136A 625
Phenanthrene	92	(63 - 120)	CFR136A 625
Phenol	87	(58 - 112)	CFR136A 625
Pyrene	94	(60 - 115)	CFR136A 625
1,2,4-Trichlorobenzene	77	(50 - 120)	CFR136A 625
2,4,6-Trichlorophenol	99	(60 - 120)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8G7E1AC Matrix.....: WATER
LCS Lot-Sample#: D7J090000-103

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(53 - 120)
Phenol-d5	85	(57 - 120)
Nitrobenzene-d5	87	(59 - 120)
2-Fluorobiphenyl	88	(49 - 120)
2,4,6-Tribromophenol	103	(50 - 120)
Terphenyl-d14	92	(63 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8G7E1AC Matrix.....: WATER
LCS Lot-Sample#: D7J090000-103
Prep Date.....: 10/09/07 Analysis Date..: 10/13/07
Prep Batch #...: 7282103 Analysis Time..: 18:36
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	100	88.9	ug/L	89	CFR136A 625
Acenaphthylene	100	88.1	ug/L	88	CFR136A 625
Anthracene	100	91.3	ug/L	91	CFR136A 625
Benzidine	100	54.9	ug/L	55	CFR136A 625
Benzo(a)anthracene	100	93.4	ug/L	93	CFR136A 625
Benzo(b)fluoranthene	100	91.9	ug/L	92	CFR136A 625
Benzo(k)fluoranthene	100	92.1	ug/L	92	CFR136A 625
Benzo(ghi)perylene	100	91.0	ug/L	91	CFR136A 625
Benzo(a)pyrene	100	85.4	ug/L	85	CFR136A 625
bis(2-Chloroethoxy) methane	100	83.7	ug/L	84	CFR136A 625
bis(2-Chloroethyl)- ether	100	80.2	ug/L	80	CFR136A 625
bis(2-Chloroisopropyl) ether	100	84.2	ug/L	84	CFR136A 625
bis(2-Ethylhexyl) phthalate	100	96.4	ug/L	96	CFR136A 625
4-Bromophenyl phenyl ether	100	93.4	ug/L	93	CFR136A 625
Butyl benzyl phthalate	100	91.0	ug/L	91	CFR136A 625
4-Chloro-3-methylphenol	100	94.1	ug/L	94	CFR136A 625
2-Chloronaphthalene	100	88.8	ug/L	89	CFR136A 625
2-Chlorophenol	100	84.2	ug/L	84	CFR136A 625
4-Methylphenol	100	90.3	ug/L	90	CFR136A 625
2-Methylphenol	100	82.1	ug/L	82	CFR136A 625
n-Decane	100	64.5	ug/L	64	CFR136A 625
4-Chlorophenyl phenyl ether	100	90.0	ug/L	90	CFR136A 625
2-Methylnaphthalene	100	86.0	ug/L	86	CFR136A 625
Chrysene	100	91.9	ug/L	92	CFR136A 625
Dibenzo(a,h)anthracene	100	92.1	ug/L	92	CFR136A 625
Di-n-butyl phthalate	100	91.5	ug/L	92	CFR136A 625
1,2-Dichlorobenzene	100	75.1	ug/L	75	CFR136A 625
1,3-Dichlorobenzene	100	70.3	ug/L	70	CFR136A 625

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8G7E1AC Matrix.....: WATER
LCS Lot-Sample#: D7J090000-103

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,4-Dichlorobenzene	100	70.4	ug/L	70	CFR136A 625
3,3'-Dichlorobenzidine	100	82.5	ug/L	82	CFR136A 625
2,4-Dichlorophenol	100	93.3	ug/L	93	CFR136A 625
Diethyl phthalate	100	91.4	ug/L	91	CFR136A 625
2,4-Dimethylphenol	100	57.6	ug/L	58	CFR136A 625
Dimethyl phthalate	100	93.1	ug/L	93	CFR136A 625
4,6-Dinitro-2-methylphenol	100	79.2	ug/L	79	CFR136A 625
2,4-Dinitrophenol	100	72.7	ug/L	73	CFR136A 625
2,4-Dinitrotoluene	100	92.0	ug/L	92	CFR136A 625
2,6-Dinitrotoluene	100	85.9	ug/L	86	CFR136A 625
Di-n-octyl phthalate	100	95.2	ug/L	95	CFR136A 625
Fluoranthene	100	97.2	ug/L	97	CFR136A 625
Fluorene	100	88.7	ug/L	89	CFR136A 625
Hexachlorobenzene	100	93.5	ug/L	93	CFR136A 625
Hexachlorobutadiene	100	75.7	ug/L	76	CFR136A 6[illegible]
Hexachlorocyclopentadiene	100	17.4	ug/L	17	CFR136A [illegible]
Hexachloroethane	100	66.7	ug/L	67	CFR136A 625
Indeno(1,2,3-cd)pyrene	100	91.8	ug/L	92	CFR136A 625
Isophorone	100	90.6	ug/L	91	CFR136A 625
Naphthalene	100	78.7	ug/L	79	CFR136A 625
Nitrobenzene	100	87.1	ug/L	87	CFR136A 625
2-Nitrophenol	100	89.0	ug/L	89	CFR136A 625
4-Nitrophenol	100	91.3	ug/L	91	CFR136A 625
N-Nitrosodimethylamine	100	80.1	ug/L	80	CFR136A 625
N-Nitrosodiphenylamine	100	73.6	ug/L	74	CFR136A 625
N-Nitrosodi-n-propylamine	100	87.5	ug/L	88	CFR136A 625
Pentachlorophenol	100	93.5	ug/L	93	CFR136A 625
Phenanthrene	100	91.6	ug/L	92	CFR136A 625
Phenol	100	87.0	ug/L	87	CFR136A 625
Pyrene	100	93.9	ug/L	94	CFR136A 625
1,2,4-Trichlorobenzene	100	77.4	ug/L	77	CFR136A 625
2,4,6-Trichlorophenol	100	98.6	ug/L	99	CFR136A 625

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8G7E1AC Matrix.....: WATER
LCS Lot-Sample#: D7J090000-103

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(53 - 120)
Phenol-d5	85	(57 - 120)
Nitrobenzene-d5	87	(59 - 120)
2-Fluorobiphenyl	88	(49 - 120)
2,4,6-Tribromophenol	103	(50 - 120)
Terphenyl-d14	92	(63 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CM-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CN-MSD
Date Sampled...: 10/05/07 14:00 Date Received..: 10/06/07
Prep Date.....: 10/09/07 Analysis Date..: 10/14/07
Prep Batch #...: 7282103 Analysis Time..: 12:19
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	80	(56 - 120)			CFR136A 625
	78	(56 - 120)	8.1	(0-30)	CFR136A 625
Acenaphthylene	79	(53 - 120)			CFR136A 625
	77	(53 - 120)	7.6	(0-30)	CFR136A 625
Anthracene	77	(57 - 120)			CFR136A 625
	79	(57 - 120)	3.6	(0-30)	CFR136A 625
Benzidine	0.0 a	(10 - 120)			CFR136A 625
	0.0 a	(10 - 120)	0.0	(0-50)	CFR136A 625
Benzo(a)anthracene	77	(56 - 120)			CFR136A 625
	76	(56 - 120)	6.8	(0-30)	CFR136A 625
Benzo(b)fluoranthene	78	(52 - 120)			CFR136A 625
	81	(52 - 120)	2.3	(0-90)	CFR136A 625
Benzo(k)fluoranthene	79	(50 - 120)			CFR136A 625
	76	(50 - 120)	9.4	(0-50)	CFR136A 625
Benzo(ghi)perylene	72	(47 - 120)			CFR136A 625
	73	(47 - 120)	5.3	(0-64)	CFR136A 625
Benzo(a)pyrene	74	(51 - 120)			CFR136A 625
	72	(51 - 120)	7.8	(0-73)	CFR136A 625
bis(2-Chloroethoxy) methane	80	(55 - 120)			CFR136A 625
	87	(55 - 120)	2.3	(0-30)	CFR136A 625
bis(2-Chloroethyl)-ether	80	(51 - 120)			CFR136A 625
	82	(51 - 120)	2.7	(0-30)	CFR136A 625
bis(2-Chloroisopropyl) ether	82	(45 - 120)			CFR136A 625
	87	(45 - 120)	0.25	(0-30)	CFR136A 625
bis(2-Ethylhexyl) phthalate	79	(57 - 120)			CFR136A 625
	80	(57 - 120)	4.4	(0-30)	CFR136A 625
4-Bromophenyl phenyl ether	79	(57 - 120)			CFR136A 625
	80	(57 - 120)	4.9	(0-34)	CFR136A 625
Butyl benzyl phthalate	74	(50 - 120)			CFR136A 625
	75	(50 - 120)	5.1	(0-30)	CFR136A 625

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CM-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CN-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Chloro-3-methylphenol	93	(59 - 120)			CFR136A 625
	95	(59 - 120)	4.0	(0-30)	CFR136A 625
2-Chloronaphthalene	80	(54 - 118)			CFR136A 625
	81	(54 - 118)	4.7	(0-30)	CFR136A 625
2-Chlorophenol	80	(54 - 120)			CFR136A 625
	85	(54 - 120)	0.46	(0-30)	CFR136A 625
4-Methylphenol	90	(57 - 120)			CFR136A 625
	92	(57 - 120)	3.7	(0-39)	CFR136A 625
2-Methylphenol	81	(53 - 120)			CFR136A 625
	85	(53 - 120)	0.64	(0-35)	CFR136A 625
n-Decane	63	(17 - 120)			CFR136A 625
	63	(17 - 120)	6.5	(0-61)	CFR136A 625
4-Chlorophenyl phenyl ether	83	(58 - 120)			CFR136A 625
	79	(58 - 120)	11	(0-30)	CFR136A 625
2-Methylnaphthalene	83	(56 - 120)			CFR136A 625
	86	(56 - 120)	1.8	(0-30)	CFR136A 625
Chrysene	77	(55 - 120)			CFR136A 625
	77	(55 - 120)	6.0	(0-30)	CFR136A 625
Dibenzo(a,h)anthracene	76	(54 - 120)			CFR136A 625
	77	(54 - 120)	3.6	(0-78)	CFR136A 625
Di-n-butyl phthalate	79	(58 - 118)			CFR136A 625
	79	(58 - 118)	4.9	(0-30)	CFR136A 625
1,2-Dichlorobenzene	89	(44 - 120)			CFR136A 625
	84	(44 - 120)	11	(0-42)	CFR136A 625
1,3-Dichlorobenzene	68	(41 - 120)			CFR136A 625
	70	(41 - 120)	2.8	(0-47)	CFR136A 625
1,4-Dichlorobenzene	69	(40 - 120)			CFR136A 625
	70	(40 - 120)	4.2	(0-49)	CFR136A 625
3,3'-Dichlorobenzidine	2.6 a	(34 - 120)			CFR136A 625
	6.4 a,p	(34 - 120)	79	(0-50)	CFR136A 625
2,4-Dichlorophenol	89	(56 - 120)			CFR136A 625
	91	(56 - 120)	3.1	(0-30)	CFR136A 625
Diethyl phthalate	89	(58 - 114)			CFR136A 625
	86	(58 - 114)	9.6	(0-30)	CFR136A 625
2,4-Dimethylphenol	86	(38 - 119)			CFR136A 625
	87	(38 - 119)	4.0	(0-35)	CFR136A 625
Dimethyl phthalate	90	(58 - 112)			CFR136A 625
	87	(58 - 112)	10	(0-30)	CFR136A 625

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CM-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CN-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4,6-Dinitro-2-methylphenol	35	(33 - 120)			CFR136A 625
	24 a	(33 - 120)	43	(0-55)	CFR136A 625
2,4-Dinitrophenol	38	(33 - 120)			CFR136A 625
	26 a	(33 - 120)	44	(0-61)	CFR136A 625
2,4-Dinitrotoluene	88	(59 - 120)			CFR136A 625
	85	(59 - 120)	9.6	(0-35)	CFR136A 625
2,6-Dinitrotoluene	81	(59 - 120)			CFR136A 625
	79	(59 - 120)	8.8	(0-30)	CFR136A 625
Di-n-octyl phthalate	81	(57 - 120)			CFR136A 625
	81	(57 - 120)	6.3	(0-30)	CFR136A 625
Fluoranthene	83	(57 - 120)			CFR136A 625
	82	(57 - 120)	7.5	(0-30)	CFR136A 625
Fluorene	83	(57 - 120)			CFR136A 625
	80	(57 - 120)	8.9	(0-30)	CFR136A 625
Hexachlorobenzene	80	(57 - 120)			CFR136A 625
	80	(57 - 120)	5.7	(0-30)	CFR136A 625
Hexachlorobutadiene	75	(41 - 116)			CFR136A 625
	79	(41 - 116)	0.65	(0-41)	CFR136A 625
Hexachlorocyclopenta-diene	8.4 a	(10 - 120)			CFR136A 625
	5.0 a	(10 - 120)	56	(0-82)	CFR136A 625
Hexachloroethane	51	(35 - 113)			CFR136A 625
	50	(35 - 113)	7.6	(0-52)	CFR136A 625
Indeno(1,2,3-cd)pyrene	75	(53 - 120)			CFR136A 625
	75	(53 - 120)	6.5	(0-73)	CFR136A 625
Isophorone	85	(59 - 120)			CFR136A 625
	89	(59 - 120)	1.2	(0-30)	CFR136A 625
Naphthalene	76	(51 - 120)			CFR136A 625
	82	(51 - 120)	1.8	(0-30)	CFR136A 625
Nitrobenzene	129	(35 - 164)			CFR136A 625
	117	(35 - 164)	16	(0-30)	CFR136A 625
2-Nitrophenol	82	(55 - 120)			CFR136A 625
	82	(55 - 120)	6.0	(0-30)	CFR136A 625
4-Nitrophenol	110	(54 - 120)			CFR136A 625
	100	(54 - 120)	15	(0-42)	CFR136A 625
N-Nitrosodimethylamine	73	(46 - 120)			CFR136A 625
	75	(46 - 120)	2.2	(0-30)	CFR136A 625
N-Nitrosodiphenylamine	71	(40 - 120)			CFR136A 625
	67	(40 - 120)	12	(0-50)	CFR136A 625

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CM-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CN-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
N-Nitrosodi-n-propyl-amine	85	(55 - 120)			CFR136A 625
	89	(55 - 120)	1.1	(0-30)	CFR136A 625
Pentachlorophenol	92	(51 - 120)			CFR136A 625
	85	(51 - 120)	13	(0-30)	CFR136A 625
Phenanthrene	78	(56 - 120)			CFR136A 625
	80	(56 - 120)	2.5	(0-30)	CFR136A 625
Phenol	83	(54 - 112)			CFR136A 625
	87	(54 - 112)	1.1	(0-30)	CFR136A 625
Pyrene	74	(54 - 115)			CFR136A 625
	76	(54 - 115)	3.1	(0-30)	CFR136A 625
1,2,4-Trichloro-benzene	77	(46 - 120)			CFR136A 625
	81	(46 - 120)	0.89	(0-35)	CFR136A 625
2,4,6-Trichloro-phenol	95	(58 - 120)			CFR136A 625
	93	(58 - 120)	7.8	(0-30)	CFR136A 625

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(49 - 120)
	76	(49 - 120)
Phenol-d5	81	(54 - 120)
	84	(54 - 120)
Nitrobenzene-d5	85	(56 - 120)
	87	(56 - 120)
2-Fluorobiphenyl	85	(52 - 120)
	82	(52 - 120)
2,4,6-Tribromophenol	93	(56 - 120)
	93	(56 - 120)
Terphenyl-d14	78	(50 - 120)
	74	(50 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CM-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CN-MSD
Date Sampled...: 10/05/07 14:00 Date Received..: 10/06/07
Prep Date.....: 10/09/07 Analysis Date..: 10/14/07
Prep Batch #...: 7282103 Analysis Time..: 12:19
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	ND	106	85.0	ug/L	80		CFR136A 625
	ND	101	78.4	ug/L	78	8.1	CFR136A 625
Acenaphthylene	ND	106	83.9	ug/L	79		CFR136A 625
	ND	101	77.7	ug/L	77	7.6	CFR136A 625
Anthracene	ND	106	82.0	ug/L	77		CFR136A 625
	ND	101	79.1	ug/L	79	3.6	CFR136A 625
Benzidine	ND	106	0.0	ug/L	0.0 a		CFR136A 625
	ND	101	0.0	ug/L	0.0 a	0.0	CFR136A 625
Benzo(a)anthracene	ND	106	81.7	ug/L	77		CFR136A 625
	ND	101	76.3	ug/L	76	6.8	CFR136A 625
Benzo(b)fluoranthene	ND	106	83.6	ug/L	78		CFR136A 625
	ND	101	81.7	ug/L	81	2.3	CFR136A 625
Benzo(k)fluoranthene	ND	106	84.1	ug/L	79		CFR136A 625
	ND	101	76.6	ug/L	76	9.4	CFR136A 625
Benzo(ghi)perylene	ND	106	77.1	ug/L	72		CFR136A 625
	ND	101	73.1	ug/L	73	5.3	CFR136A 625
Benzo(a)pyrene	ND	106	78.3	ug/L	74		CFR136A 625
	ND	101	72.4	ug/L	72	7.8	CFR136A 625
bis(2-Chloroethoxy) methane	ND	106	85.1	ug/L	80		CFR136A 625
	ND	101	87.1	ug/L	87	2.3	CFR136A 625
bis(2-Chloroethyl)-ether	ND	106	85.2	ug/L	80		CFR136A 625
	ND	101	82.9	ug/L	82	2.7	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	106	86.9	ug/L	82		CFR136A 625
	ND	101	87.1	ug/L	87	0.25	CFR136A 625
bis(2-Ethylhexyl) phthalate	1.6	106	85.5	ug/L	79		CFR136A 625
	1.6	101	81.8	ug/L	80	4.4	CFR136A 625
4-Bromophenyl phenyl ether	ND	106	84.1	ug/L	79		CFR136A 625
	ND	101	80.1	ug/L	80	4.9	CFR136A 625
Butyl benzyl phthalate	ND	106	79.0	ug/L	74		CFR136A 625
	ND	101	75.1	ug/L	75	5.1	CFR136A 625

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CM-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CN-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4-Chloro-3-methylphenol	ND	106	98.9	ug/L	93		CFR136A 625
	ND	101	95.1	ug/L	95	4.0	CFR136A 625
2-Chloronaphthalene	ND	106	84.9	ug/L	80		CFR136A 625
	ND	101	81.0	ug/L	81	4.7	CFR136A 625
2-Chlorophenol	ND	106	85.1	ug/L	80		CFR136A 625
	ND	101	85.5	ug/L	85	0.46	CFR136A 625
4-Methylphenol	1.3	106	97.5	ug/L	90		CFR136A 625
	1.3	101	93.9	ug/L	92	3.7	CFR136A 625
2-Methylphenol	ND	106	86.3	ug/L	81		CFR136A 625
	ND	101	85.7	ug/L	85	0.64	CFR136A 625
n-Decane	ND	106	67.1	ug/L	63		CFR136A 625
	ND	101	62.9	ug/L	63	6.5	CFR136A 625
4-Chlorophenyl phenyl ether	ND	106	88.7	ug/L	83		CFR136A 625
	ND	101	79.6	ug/L	79	11	CFR136A 625
2-Methylnaphthalene	ND	106	88.0	ug/L	83		CFR136A 625
	ND	101	86.4	ug/L	86	1.8	CFR136A 625
Chrysene	ND	106	81.7	ug/L	77		CFR136A 625
	ND	101	76.9	ug/L	77	6.0	CFR136A 625
Dibenzo(a,h)anthracene	ND	106	80.4	ug/L	76		CFR136A 625
	ND	101	77.6	ug/L	77	3.6	CFR136A 625
Di-n-butyl phthalate	ND	106	83.8	ug/L	79		CFR136A 625
	ND	101	79.8	ug/L	79	4.9	CFR136A 625
1,2-Dichlorobenzene	ND	106	94.4	ug/L	89		CFR136A 625
	ND	101	84.7	ug/L	84	11	CFR136A 625
1,3-Dichlorobenzene	ND	106	72.0	ug/L	68		CFR136A 625
	ND	101	70.0	ug/L	70	2.8	CFR136A 625
1,4-Dichlorobenzene	ND	106	73.4	ug/L	69		CFR136A 625
	ND	101	70.4	ug/L	70	4.2	CFR136A 625
3,3'-Dichlorobenzidine	ND	106	2.79	ug/L	2.6 a		CFR136A 625
	ND	101	6.42	ug/L	6.4	79	CFR136A 625
	Qualifiers: a,p						
2,4-Dichlorophenol	ND	106	94.7	ug/L	89		CFR136A 625
	ND	101	91.8	ug/L	91	3.1	CFR136A 625
Diethyl phthalate	ND	106	95.0	ug/L	89		CFR136A 625
	ND	101	86.3	ug/L	86	9.6	CFR136A 625
2,4-Dimethylphenol	ND	106	91.3	ug/L	86		CFR136A 625
	ND	101	87.7	ug/L	87	4.0	CFR136A 625
Dimethyl phthalate	ND	106	96.2	ug/L	90		CFR136A 625
	ND	101	87.0	ug/L	87	10	CFR136A 625

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CM-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CN-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4,6-Dinitro-2-methylphenol	ND	106	37.8	ug/L	35		CFR136A 625
	ND	101	24.4	ug/L	24 a	43	CFR136A 625
2,4-Dinitrophenol	ND	106	40.5	ug/L	38		CFR136A 625
	ND	101	26.0	ug/L	26 a	44	CFR136A 625
2,4-Dinitrotoluene	ND	106	94.2	ug/L	88		CFR136A 625
	ND	101	85.5	ug/L	85	9.6	CFR136A 625
2,6-Dinitrotoluene	ND	106	86.6	ug/L	81		CFR136A 625
	ND	101	79.3	ug/L	79	8.8	CFR136A 625
Di-n-octyl phthalate	ND	106	86.8	ug/L	81		CFR136A 625
	ND	101	81.5	ug/L	81	6.3	CFR136A 625
Fluoranthene	ND	106	88.6	ug/L	83		CFR136A 625
	ND	101	82.2	ug/L	82	7.5	CFR136A 625
Fluorene	ND	106	88.1	ug/L	83		CFR136A 625
	ND	101	80.5	ug/L	80	8.9	CFR136A 625
Hexachlorobenzene	ND	106	84.8	ug/L	80		CFR136A 625
	ND	101	80.1	ug/L	80	5.7	CFR136A 625
Hexachlorobutadiene	ND	106	79.8	ug/L	75		CFR136A 625
	ND	101	79.2	ug/L	79	0.65	CFR136A 625
Hexachlorocyclopenta-diene	ND	106	8.92	ug/L	8.4 a		CFR136A 625
	ND	101	5.04	ug/L	5.0 a	56	CFR136A 625
Hexachloroethane	ND	106	54.4	ug/L	51		CFR136A 625
	ND	101	50.4	ug/L	50	7.6	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	106	80.2	ug/L	75		CFR136A 625
	ND	101	75.1	ug/L	75	6.5	CFR136A 625
Isophorone	ND	106	91.0	ug/L	85		CFR136A 625
	ND	101	89.9	ug/L	89	1.2	CFR136A 625
Naphthalene	ND	106	80.9	ug/L	76		CFR136A 625
	ND	101	82.3	ug/L	82	1.8	CFR136A 625
Nitrobenzene	ND	106	138	ug/L	129		CFR136A 625
	ND	101	118	ug/L	117	16	CFR136A 625
2-Nitrophenol	ND	106	87.4	ug/L	82		CFR136A 625
	ND	101	82.3	ug/L	82	6.0	CFR136A 625
4-Nitrophenol	ND	106	117	ug/L	110		CFR136A 625
	ND	101	100	ug/L	100	15	CFR136A 625
N-Nitrosodimethylamine	ND	106	77.2	ug/L	73		CFR136A 625
	ND	101	75.5	ug/L	75	2.2	CFR136A 625
N-Nitrosodiphenylamine	ND	106	75.6	ug/L	71		CFR136A 625
	ND	101	67.1	ug/L	67	12	CFR136A 625

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CM-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CN-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
N-Nitrosodi-n-propyl-amine	ND	106	90.7	ug/L	85		CFR136A 625
	ND	101	89.8	ug/L	89	1.1	CFR136A 625
Pentachlorophenol	ND	106	97.8	ug/L	92		CFR136A 625
	ND	101	85.7	ug/L	85	13	CFR136A 625
Phenanthrene	ND	106	82.6	ug/L	78		CFR136A 625
	ND	101	80.6	ug/L	80	2.5	CFR136A 625
Phenol	ND	106	88.7	ug/L	83		CFR136A 625
	ND	101	87.7	ug/L	87	1.1	CFR136A 625
Pyrene	ND	106	78.7	ug/L	74		CFR136A 625
	ND	101	76.4	ug/L	76	3.1	CFR136A 625
1,2,4-Trichloro-benzene	ND	106	82.0	ug/L	77		CFR136A 625
	ND	101	81.3	ug/L	81	0.89	CFR136A 625
2,4,6-Trichloro-phenol	ND	106	101	ug/L	95		CFR136A 625
	ND	101	93.7	ug/L	93	7.8	CFR136A 625

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(49 - 120)
	76	(49 - 120)
Phenol-d5	81	(54 - 120)
	84	(54 - 120)
Nitrobenzene-d5	85	(56 - 120)
	87	(56 - 120)
2-Fluorobiphenyl	85	(52 - 120)
	82	(52 - 120)
2,4,6-Tribromophenol	93	(56 - 120)
	93	(56 - 120)
Terphenyl-d14	78	(50 - 120)
	74	(50 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D7J050201
MB Lot-Sample #: D7J080000-470

Work Order #...: J8G0F1AA

Matrix.....: WATER

Prep Date.....: 10/08/07
Prep Batch #...: 7281470

Analysis Date..: 10/11/07
Dilution Factor: 1

Analysis Time..: 04:55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	CFR136A 608
alpha-BHC	ND	0.50	ug/L	CFR136A 608
beta-BHC	ND	0.050	ug/L	CFR136A 608
delta-BHC	ND	0.050	ug/L	CFR136A 608
gamma-BHC (Lindane)	ND	0.050	ug/L	CFR136A 608
Chlordane (technical)	ND	0.50	ug/L	CFR136A 608
4,4'-DDD	ND	0.10	ug/L	CFR136A 608
4,4'-DDE	ND	0.10	ug/L	CFR136A 608
4,4'-DDT	ND	0.10	ug/L	CFR136A 608
Dieldrin	ND	0.10	ug/L	CFR136A 608
Endosulfan I	ND	0.050	ug/L	CFR136A 608
Endosulfan II	ND	0.10	ug/L	CFR136A 608
Endosulfan sulfate	ND	0.10	ug/L	CFR136A 608
Endrin	ND	0.10	ug/L	CFR136A 608
Endrin aldehyde	ND	0.10	ug/L	CFR136A 608
Heptachlor	ND	0.050	ug/L	CFR136A 608
Heptachlor epoxide	ND	0.050	ug/L	CFR136A 608
Toxaphene	ND	5.0	ug/L	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	85	(48 - 127)
Tetrachloro-m-xylene	64	(40 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D7J050201
MB Lot-Sample #: D7J080000-470

Work Order #...: J8G0F1AD

Matrix.....: WATER

Prep Date.....: 10/08/07

Analysis Time..: 16:48

Analysis Date..: 10/11/07
Prep Batch #...: 7281470
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	CFR136A 608
Aroclor 1221	ND	2.0	ug/L	CFR136A 608
Aroclor 1232	ND	1.0	ug/L	CFR136A 608
Aroclor 1242	ND	1.0	ug/L	CFR136A 608
Aroclor 1248	ND	1.0	ug/L	CFR136A 608
Aroclor 1254	ND	1.0	ug/L	CFR136A 608
Aroclor 1260	ND	1.0	ug/L	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	82	(48 - 127)
Tetrachloro-m-xylene	96	(40 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8G0F1AC Matrix.....: WATER
LCS Lot-Sample#: D7J080000-470
Prep Date.....: 10/08/07 Analysis Date..: 10/11/07
Prep Batch #...: 7281470 Analysis Time..: 00:19
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aldrin	71	(35 - 112)	CFR136A 608
alpha-BHC	73	(56 - 111)	CFR136A 608
beta-BHC	74	(63 - 112)	CFR136A 608
delta-BHC	78	(59 - 99)	CFR136A 608
gamma-BHC (Lindane)	78	(61 - 114)	CFR136A 608
4,4'-DDD	79	(64 - 117)	CFR136A 608
4,4'-DDE	78	(69 - 113)	CFR136A 608
4,4'-DDT	78	(63 - 133)	CFR136A 608
Dieldrin	81	(66 - 113)	CFR136A 608
Endosulfan I	74	(45 - 127)	CFR136A 608
Endosulfan II	76	(60 - 125)	CFR136A 608
Endosulfan sulfate	77	(71 - 109)	CFR136A 608
Endrin	81	(65 - 118)	CFR136A 608
Endrin aldehyde	69	(62 - 110)	CFR136A 608
Heptachlor	74	(47 - 113)	CFR136A 608
Heptachlor epoxide	84	(65 - 113)	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	90	(48 - 127)
Tetrachloro-m-xylene	72	(40 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8G0F1AC Matrix.....: WATER
LCS Lot-Sample#: D7J080000-470
Prep Date.....: 10/08/07 Analysis Date..: 10/11/07
Prep Batch #...: 7281470 Analysis Time..: 00:19
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aldrin	0.500	0.354	ug/L	71	CFR136A 608
alpha-BHC	0.500	0.367	ug/L	73	CFR136A 608
beta-BHC	0.500	0.372	ug/L	74	CFR136A 608
delta-BHC	0.500	0.389	ug/L	78	CFR136A 608
gamma-BHC (Lindane)	0.500	0.388	ug/L	78	CFR136A 608
4,4'-DDD	0.500	0.394	ug/L	79	CFR136A 608
4,4'-DDE	0.500	0.391	ug/L	78	CFR136A 608
4,4'-DDT	0.500	0.391	ug/L	78	CFR136A 608
Dieldrin	0.500	0.405	ug/L	81	CFR136A 608
Endosulfan I	0.500	0.372	ug/L	74	CFR136A 608
Endosulfan II	0.500	0.379	ug/L	76	CFR136A 608
Endosulfan sulfate	0.500	0.386	ug/L	77	CFR136A 608
Endrin	0.500	0.406	ug/L	81	CFR136A 608
Endrin aldehyde	0.500	0.345	ug/L	69	CFR136A 608
Heptachlor	0.500	0.371	ug/L	74	CFR136A 608
Heptachlor epoxide	0.500	0.418	ug/L	84	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	90	(48 - 127)
Tetrachloro-m-xylene	72	(40 - 107)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J760M1CQ-MS Matrix.....: WATER
MS Lot-Sample #: D7J030334-001 J760M1CR-MSD
Date Sampled...: 10/03/07 09:00 Date Received..: 10/03/07
Prep Date.....: 10/08/07 Analysis Date..: 10/11/07
Prep Batch #...: 7281470 Analysis Time..: 00:54
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	77	(35 - 112)			CFR136A 608
	74	(35 - 112)	2.4	(0-69)	CFR136A 608
alpha-BHC	79	(56 - 111)			CFR136A 608
	77	(56 - 111)	1.8	(0-67)	CFR136A 608
beta-BHC	85	(63 - 112)			CFR136A 608
	82	(63 - 112)	2.5	(0-32)	CFR136A 608
delta-BHC	86	(59 - 99)			CFR136A 608
	83	(59 - 99)	2.0	(0-28)	CFR136A 608
gamma-BHC (Lindane)	83	(61 - 114)			CFR136A 608
	80	(61 - 114)	2.2	(0-49)	CFR136A 608
4,4'-DDD	84	(64 - 117)			CFR136A 608
	82	(64 - 117)	1.4	(0-26)	CFR136A 608
4,4'-DDE	84	(69 - 113)			CFR136A 608
	81	(69 - 113)	1.6	(0-28)	CFR136A 608
4,4'-DDT	82	(63 - 133)			CFR136A 608
	79	(63 - 133)	2.5	(0-28)	CFR136A 608
Dieldrin	86	(66 - 113)			CFR136A 608
	84	(66 - 113)	1.6	(0-25)	CFR136A 608
Endosulfan I	80	(45 - 127)			CFR136A 608
	78	(45 - 127)	2.1	(0-25)	CFR136A 608
Endosulfan II	85	(60 - 125)			CFR136A 608
	82	(60 - 125)	2.9	(0-26)	CFR136A 608
Endosulfan sulfate	86	(71 - 109)			CFR136A 608
	85	(71 - 109)	1.1	(0-24)	CFR136A 608
Endrin	87	(65 - 118)			CFR136A 608
	85	(65 - 118)	1.9	(0-26)	CFR136A 608
Endrin aldehyde	84	(62 - 110)			CFR136A 608
	83	(62 - 110)	1.1	(0-26)	CFR136A 608
Heptachlor	80	(47 - 113)			CFR136A 608
	77	(47 - 113)	2.4	(0-58)	CFR136A 608
Heptachlor epoxide	86	(65 - 113)			CFR136A 608
	84	(65 - 113)	1.7	(0-27)	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	97	(48 - 127)
	89	(48 - 127)
Tetrachloro-m-xylene	70	(40 - 107)
	73	(40 - 107)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J760M1CQ-MS Matrix.....: WATER
MS Lot-Sample #: D7J030334-001 J760M1CR-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J760M1CQ-MS Matrix.....: WATER
MS Lot-Sample #: D7J030334-001 J760M1CR-MSD
Date Sampled...: 10/03/07 09:00 Date Received..: 10/03/07
Prep Date.....: 10/08/07 Analysis Date..: 10/11/07
Prep Batch #...: 7281470 Analysis Time..: 00:54
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aldrin	ND	0.474	0.363	ug/L	77		CFR136A 608
	ND	0.478	0.355	ug/L	74	2.4	CFR136A 608
alpha-BHC	ND	0.474	0.375	ug/L	79		CFR136A 608
	ND	0.478	0.369	ug/L	77	1.8	CFR136A 608
beta-BHC	ND	0.474	0.401	ug/L	85		CFR136A 608
	ND	0.478	0.391	ug/L	82	2.5	CFR136A 608
delta-BHC	ND	0.474	0.406	ug/L	86		CFR136A 608
	ND	0.478	0.398	ug/L	83	2.0	CFR136A 608
gamma-BHC (Lindane)	ND	0.474	0.391	ug/L	83		CFR136A 608
	ND	0.478	0.383	ug/L	80	2.2	CFR136A 608
4,4'-DDD	ND	0.474	0.396	ug/L	84		CFR136A 608
	ND	0.478	0.390	ug/L	82	1.4	CFR136A 608
4,4'-DDE	ND	0.474	0.396	ug/L	84		CFR136A 608
	ND	0.478	0.389	ug/L	81	1.6	CFR136A 608
4,4'-DDT	ND	0.474	0.387	ug/L	82		CFR136A 608
	ND	0.478	0.378	ug/L	79	2.5	CFR136A 608
Dieldrin	ND	0.474	0.408	ug/L	86		CFR136A 608
	ND	0.478	0.402	ug/L	84	1.6	CFR136A 608
Endosulfan I	ND	0.474	0.381	ug/L	80		CFR136A 608
	ND	0.478	0.373	ug/L	78	2.1	CFR136A 608
Endosulfan II	ND	0.474	0.404	ug/L	85		CFR136A 608
	ND	0.478	0.392	ug/L	82	2.9	CFR136A 608
Endosulfan sulfate	ND	0.474	0.409	ug/L	86		CFR136A 608
	ND	0.478	0.405	ug/L	85	1.1	CFR136A 608
Endrin	ND	0.474	0.413	ug/L	87		CFR136A 608
	ND	0.478	0.405	ug/L	85	1.9	CFR136A 608
Endrin aldehyde	ND	0.474	0.399	ug/L	84		CFR136A 608
	ND	0.478	0.395	ug/L	83	1.1	CFR136A 608
Heptachlor	ND	0.474	0.378	ug/L	80		CFR136A 608
	ND	0.478	0.369	ug/L	77	2.4	CFR136A 608
Heptachlor epoxide	ND	0.474	0.408	ug/L	86		CFR136A 608
	ND	0.478	0.402	ug/L	84	1.7	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	97	(48 - 127)
	89	(48 - 127)
Tetrachloro-m-xylene	70	(40 - 107)
	73	(40 - 107)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J760M1CQ-MS Matrix.....: WATER
MS Lot-Sample #: D7J030334-001 J760M1CR-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CP-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CQ-MSD
Date Sampled...: 10/05/07 14:00 Date Received..: 10/06/07
Prep Date.....: 10/08/07 Analysis Date..: 10/11/07
Prep Batch #...: 7281470 Analysis Time..: 04:04
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	53	(35 - 112)			CFR136A 608
	42	(35 - 112)	17	(0-69)	CFR136A 608
alpha-BHC	69	(56 - 111)			CFR136A 608
	65	(56 - 111)	0.33	(0-67)	CFR136A 608
beta-BHC	69	(63 - 112)			CFR136A 608
	66	(63 - 112)	2.6	(0-32)	CFR136A 608
delta-BHC	69	(59 - 99)			CFR136A 608
	68	(59 - 99)	6.0	(0-28)	CFR136A 608
gamma-BHC (Lindane)	73	(61 - 114)			CFR136A 608
	69	(61 - 114)	1.7	(0-49)	CFR136A 608
4,4'-DDD	78	(64 - 117)			CFR136A 608
	68	(64 - 117)	6.8	(0-26)	CFR136A 608
4,4'-DDE	69	(69 - 113)			CFR136A 608
	60 a	(69 - 113)	7.1	(0-28)	CFR136A 608
4,4'-DDT	64	(63 - 133)			CFR136A 608
	59 a	(63 - 133)	1.2	(0-28)	CFR136A 608
Dieldrin	76	(66 - 113)			CFR136A 608
	68	(66 - 113)	3.8	(0-25)	CFR136A 608
Endosulfan I	69	(45 - 127)			CFR136A 608
	60	(45 - 127)	8.0	(0-25)	CFR136A 608
Endosulfan II	69	(60 - 125)			CFR136A 608
	63	(60 - 125)	2.8	(0-26)	CFR136A 608
Endosulfan sulfate	78	(71 - 109)			CFR136A 608
	73	(71 - 109)	0.06	(0-24)	CFR136A 608
Endrin	75	(65 - 118)			CFR136A 608
	67	(65 - 118)	4.8	(0-26)	CFR136A 608
Endrin aldehyde	74	(62 - 110)			CFR136A 608
	67	(62 - 110)	2.4	(0-26)	CFR136A 608
Heptachlor	71	(47 - 113)			CFR136A 608
	61	(47 - 113)	6.9	(0-58)	CFR136A 608
Heptachlor epoxide	72	(65 - 113)			CFR136A 608
	69	(65 - 113)	2.8	(0-27)	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	65	(48 - 127)
	50	(48 - 127)
Tetrachloro-m-xylene	72	(40 - 107)
	65	(40 - 107)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CP-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CQ-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CP-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CQ-MSD
Date Sampled...: 10/05/07 14:00 Date Received..: 10/06/07
Prep Date.....: 10/08/07 Analysis Date..: 10/11/07
Prep Batch #...: 7281470 Analysis Time..: 04:04
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aldrin	ND	0.498	0.265	ug/L	53		CFR136A 608
	ND	0.533	0.223	ug/L	42	17	CFR136A 608
alpha-BHC	ND	0.498	0.345	ug/L	69		CFR136A 608
	ND	0.533	0.346	ug/L	65	0.33	CFR136A 608
beta-BHC	ND	0.498	0.342	ug/L	69		CFR136A 608
	ND	0.533	0.351	ug/L	66	2.6	CFR136A 608
delta-BHC	ND	0.498	0.343	ug/L	69		CFR136A 608
	ND	0.533	0.364	ug/L	68	6.0	CFR136A 608
gamma-BHC (Lindane)	ND	0.498	0.363	ug/L	73		CFR136A 608
	ND	0.533	0.369	ug/L	69	1.7	CFR136A 608
4,4'-DDD	ND	0.498	0.388	ug/L	78		CFR136A 608
	ND	0.533	0.362	ug/L	68	6.8	CFR136A 608
4,4'-DDE	ND	0.498	0.345	ug/L	69		CFR136A 608
	ND	0.533	0.322	ug/L	60 a	7.1	CFR136A 608
4,4'-DDT	ND	0.498	0.317	ug/L	64		CFR136A 608
	ND	0.533	0.314	ug/L	59 a	1.2	CFR136A 608
Dieldrin	ND	0.498	0.377	ug/L	76		CFR136A 608
	ND	0.533	0.363	ug/L	68	3.8	CFR136A 608
Endosulfan I	ND	0.498	0.345	ug/L	69		CFR136A 608
	ND	0.533	0.319	ug/L	60	8.0	CFR136A 608
Endosulfan II	ND	0.498	0.343	ug/L	69		CFR136A 608
	ND	0.533	0.334	ug/L	63	2.8	CFR136A 608
Endosulfan sulfate	ND	0.498	0.389	ug/L	78		CFR136A 608
	ND	0.533	0.389	ug/L	73	0.06	CFR136A 608
Endrin	ND	0.498	0.376	ug/L	75		CFR136A 608
	ND	0.533	0.358	ug/L	67	4.8	CFR136A 608
Endrin aldehyde	ND	0.498	0.368	ug/L	74		CFR136A 608
	ND	0.533	0.360	ug/L	67	2.4	CFR136A 608
Heptachlor	ND	0.498	0.351	ug/L	71		CFR136A 608
	ND	0.533	0.328	ug/L	61	6.9	CFR136A 608
Heptachlor epoxide	ND	0.498	0.359	ug/L	72		CFR136A 608
	ND	0.533	0.369	ug/L	69	2.8	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	65	(48 - 127)
	50	(48 - 127)
Tetrachloro-m-xylene	72	(40 - 107)
	65	(40 - 107)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D7J050201 Work Order #...: J8EQK1CP-MS Matrix.....: WATER
MS Lot-Sample #: D7J060135-001 J8EQK1CQ-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

4124 (0807)

Client	Project Manager	Date	Chain of Custody Number
OKEECHOBEE	MIGUEL DELGADO	10/04/2007	400068
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
10800 NE 128TH AVE		STL DENVER	
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
OKEECHOBEE / FL / 34972		M. Wright	
Project Name and Location (State)	**Carrier/Waybill Number**		
Okeechobee 1011	FEDEX		
Contract/Purchase Order/Quote No.			
43630-A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): 624 VOA	625 SVOA	1668 Pest/PCB	Special Instructions/ Conditions of Receipt
LTM 39	10/04/2007	1140		✓			2			3			✓	✓	✓	
LTM 4	10/04/2007	1420		✓			2			3			✓	✓	✓	
TRIP	09/26/07	—		✓									✓			

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: Ben Rangeawar	Date: 10/04/2007	Time: 1900	1. Received By: Sherri Bissell	Date: 10/5/07	Time: 0900
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

FIELD INFORMATION FORM

Site Name: O'KEECHOBEE

Site No.:

Sample Point: LTM39

Sample ID

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: D4050960

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
100407	1140				

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: A

Sampling Device: A

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X-Other:

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: —

A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: —

A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC) ____ (ft/msl)

Depth to Water (DTW) (from TOC) ____ (ft)

Groundwater Elevation (site datum, from TOC) ____ (ft/msl)

Total Well Depth (from TOC) ____ (ft)

Stick Up (from ground elevation) ____ (ft)

Casing ID ____ (in)

Casing Material ____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		1st	1st					
		2nd	2nd					
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
100407	6.68	16720	32.2	20.2			

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.

Sample Appearance: CLOUDY

Odor: YES

Color: BROWN

Other:

Weather Conditions (required daily, or as conditions change):-

Direction/Speed: CALM

Outlook: CLEAR 90°F

Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10 04 07	BEN RAMSEWAN	Ben Ramsewan	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: OKEECHOBEE

Site No.: | | | | | Sample Point: LTM4 (Sample ID)

This Waste Management Field Information Form is Required. This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: DTJ05096 - MP

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hr:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10 04 07	1420				

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or _____ µ (circle or fill in)

Purging Device: A

Sampling Device: A

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other: _____

X-Other: _____

Sample Tube Type: — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: _____

WELL DATA

Well Elevation (at TOC): _____ (ft/msl)

Depth to Water (DTW) (from TOC): _____ (ft)

Groundwater Elevation (site datum, from TOC): _____ (ft/msl)

Total Well Depth (from TOC): _____ (ft)

Stick Up (from ground elevation): _____ (ft)

Casing ID: _____ (in)

Casing Material: _____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by State/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	1st	1st	1st					
	2nd	2nd	2nd					
	3rd	3rd	3rd					
	4th	4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____
10 04 07	6.96	21500	31.2	>9999			

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLOUDY Odor: YES Color: DK BROWN Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLEAR 90°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): _____

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/04/07	BEN RAMSEUR	Ben Ramseur	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

PART III ANALYTICAL RESULTS

Facility GMS#: _____ Sampling Date/Time: 10/4/2007 /11:40:00AM

Test Site ID#: 20367 Report Period 2007 / 4

WACS#: 70436 year / qtr

Well Name: LTM-39 Well Purged (Y/N): N

Classification of Groundwater: GII Well Type: ( ) Background

( ) Detection

( ) Compliance

Groundwater Elevation (NGVD): _____ (X) Other

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
39360	4,4'-DDD	Z	N	608	10/11/07 01:45	< 0.10 ug/L	0.10 ug/L
39365	4,4'-DDE	Z	N	608	10/11/07 01:45	< 0.10 ug/L	0.10 ug/L
39370	4,4'-DDT	Z	N	608	10/11/07 01:45	< 0.10 ug/L	0.10 ug/L
39330	Aldrin	Z	N	608	10/11/07 01:45	< 0.050 ug/L	0.050 ug/L
39337	alpha-BHC	Z	N	608	10/11/07 01:45	< 0.50 ug/L	0.50 ug/L
34671	Aroclor 1016	Z	N	608	10/13/07 19:11	< 1.0 ug/L	1.0 ug/L
39488	Aroclor 1221	Z	N	608	10/13/07 19:11	< 2.0 ug/L	2.0 ug/L
39492	Aroclor 1232	Z	N	608	10/13/07 19:11	< 1.0 ug/L	1.0 ug/L
39496	Aroclor 1242	Z	N	608	10/13/07 19:11	< 1.0 ug/L	1.0 ug/L
39500	Aroclor 1248	Z	N	608	10/13/07 19:11	< 1.0 ug/L	1.0 ug/L
39504	Aroclor 1254	Z	N	608	10/13/07 19:11	< 1.0 ug/L	1.0 ug/L
39508	Aroclor 1260	Z	N	608	10/13/07 19:11	< 1.0 ug/L	1.0 ug/L
39338	beta-BHC	Z	N	608	10/11/07 01:45	< 0.050 ug/L	0.050 ug/L
039350	Chlordane (technical)	Z	N	608	10/11/07 01:45	< 0.50 ug/L	0.50 ug/L
46323	delta-BHC	Z	N	608	10/11/07 01:45	< 0.050 ug/L	0.050 ug/L
39380	Dieldrin	Z	N	608	10/11/07 01:45	< 0.10 ug/L	0.10 ug/L
34361	Endosulfan I	Z	N	608	10/11/07 01:45	< 0.050 ug/L	0.050 ug/L
34356	Endosulfan II	Z	N	608	10/11/07 01:45	< 0.10 ug/L	0.10 ug/L
34351	Endosulfan sulfate	Z	N	608	10/11/07 01:45	< 0.10 ug/L	0.10 ug/L
39390	Endrin	Z	N	608	10/11/07 01:45	< 0.10 ug/L	0.10 ug/L
34366	Endrin aldehyde	Z	N	608	10/11/07 01:45	< 0.10 ug/L	0.10 ug/L
39340	gamma-BHC (Lindane)	Z	N	608	10/11/07 01:45	< 0.050 ug/L	0.050 ug/L
39410	Heptachlor	Z	N	608	10/11/07 01:45	< 0.050 ug/L	0.050 ug/L
39420	Heptachlor epoxide	Z	N	608	10/11/07 01:45	< 0.050 ug/L	0.050 ug/L
39400	Toxaphene	Z	N	608	10/11/07 01:45	< 5.0 ug/L	5.0 ug/L
34551	1,2,4-Trichlorobenzene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34536	1,2-Dichlorobenzene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34346	1,2-Diphenylhydrazine (as Azobenzene)	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34566	1,3-Dichlorobenzene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34571	1,4-Dichlorobenzene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34621	2,4,6-Trichlorophenol	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34601	2,4-Dichlorophenol	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L

PART III ANALYTICAL RESULTS

Facility GMS#: _____ Sampling Date/Time: 10/4/2007 /11:40:00AM

Test Site ID#: 20367 Report Period 2007 / 4

WACS#: 70436 year / qtr

Well Name: LTM-39 Well Purged (Y/N): N

Classification of Groundwater: GII Well Type: ( ) Background

( ) Detection

( ) Compliance

Groundwater Elevation (NGVD): _____ (X) Other

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
34606	2,4-Dimethylphenol	Z	N	625	10/14/07 04:34	56 ug/L	100 ug/L
34616	2,4-Dinitrophenol	Z	N	625	10/14/07 04:34	< 200 ug/L	200 ug/L
34611	2,4-Dinitrotoluene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34626	2,6-Dinitrotoluene	Z	N	625	10/14/07 04:34	15 ug/L	100 ug/L
34581	2-Chloronaphthalene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34586	2-Chlorophenol	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34591	2-Nitrophenol	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34631	3,3'-Dichlorobenzidine	Z	N	625	10/14/07 04:34	< 500 ug/L	500 ug/L
34657	4,6-Dinitro-2-methylphenol	Z	N	625	10/14/07 04:34	< 500 ug/L	500 ug
34636	4-Bromophenyl phenyl ether	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34452	4-Chloro-3-methylphenol	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34641	4-Chlorophenyl phenyl ether	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34646	4-Nitrophenol	Z	N	625	10/14/07 04:34	< 500 ug/L	500 ug/L
34205	Acenaphthene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34200	Acenaphthylene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34220	Anthracene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
39120	Benzidine	Z	N	625	10/14/07 04:34	< 1000 ug/L	1000 ug/L
34526	Benzo(a)anthracene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34247	Benzo(a)pyrene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34230	Benzo(b)fluoranthene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34521	Benzo(ghi)perylene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34242	Benzo(k)fluoranthene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34278	bis(2-Chloroethoxy)methane	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34273	bis(2-Chloroethyl) ether	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
73522	bis(2-Chloroisopropyl) ether	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
39100	bis(2-Ethylhexyl) phthalate	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34292	Butyl benzyl phthalate	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34320	Chrysene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
39110	Di-n-butyl phthalate	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34596	Di-n-octyl phthalate	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
034556	Dibenzo(a,h)anthracene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34336	Diethyl phthalate	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L

PART III ANALYTICAL RESULTS

Facility GMS#: _____ Sampling Date/Time: 10/4/2007 /11:40:00AM

Test Site ID#: 20367 Report Period 2007 / 4

WACS#: 70436 year / qtr

Well Name: LTM-39 Well Purged (Y/N): N

Classification of Groundwater: GII Well Type: ( ) Background

( ) Detection

( ) Compliance

Groundwater Elevation (NGVD): _____ (X) Other

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
34341	Dimethyl phthalate	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34376	Fluoranthene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34381	Fluorene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
39700	Hexachlorobenzene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34391	Hexachlorobutadiene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34386	Hexachlorocyclopentadiene	Z	N	625	10/14/07 04:34	< 500 ug/L	500 ug/L
34396	Hexachloroethane	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34403	Indeno(1,2,3-cd)pyrene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34408	Isophorone	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34428	N-Nitrosodi-n-propylamine	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34438	N-Nitrosodimethylamine	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34433	N-Nitrosodiphenylamine	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34696	Naphthalene	Z	N	625	10/14/07 04:34	11 ug/L	100 ug/L
34447	Nitrobenzene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
39032	Pentachlorophenol	Z	N	625	10/14/07 04:34	< 500 ug/L	500 ug/L
34461	Phenanthrene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
046000	Phenol	Z	N	625	10/14/07 04:34	980 ug/L	100 ug/L
34469	Pyrene	Z	N	625	10/14/07 04:34	< 100 ug/L	100 ug/L
34506	1,1,1-Trichloroethane	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34516	1,1,2,2-Tetrachloroethane	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34511	1,1,2-Trichloroethane	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34496	1,1-Dichloroethane	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34501	1,1-Dichloroethene	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34531	1,2-Dichloroethane	Z	N	624	10/10/07 16:02	7.1 ug/L	10 ug/L
34541	1,2-Dichloropropane	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34561	1,3-Dichloropropene (total)	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34576	2-Chloroethyl vinyl ether	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34210	Acrolein	Z	N	624	10/10/07 16:02	< 200 ug/L	200 ug/L
34215	Acrylonitrile	Z	N	624	10/10/07 16:02	< 200 ug/L	200 ug/L
34030	Benzene	Z	N	624	10/10/07 16:02	9.1 ug/L	10 ug/L
32101	Bromodichloromethane	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
32104	Bromoform	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L

PART III ANALYTICAL RESULTS

Facility GMS#: _____

Test Site ID#: 20367

WACS#: 70436

Sampling Date/Time: 10/4/2007 /11:40:00AM

Report Period 2007 / 4
year / qtr

Well Name: LTM-39

Classification of Groundwater: GII

Well Purged (Y/N): N

Well Type:
( ) Background
( ) Detection
( ) Compliance
(X) Other

Groundwater Elevation (NGVD): _____
or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
34413	Bromomethane	Z	N	624	10/10/07 16:02	< 20 ug/L	20 ug/L
32102	Carbon tetrachloride	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34301	Chlorobenzene	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34311	Chloroethane	Z	N	624	10/10/07 16:02	< 20 ug/L	20 ug/L
32106	Chloroform	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34418	Chloromethane	Z	N	624	10/10/07 16:02	< 20 ug/L	20 ug/L
32105	Dibromochloromethane	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34371	Ethylbenzene	Z	N	624	10/10/07 16:02	23 ug/L	10 ug/L
34423	Methylene chloride	Z	N	624	10/10/07 16:02	4.6 ug/L	10 ug/l
34475	Tetrachloroethene	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
34010	Toluene	Z	N	624	10/10/07 16:02	57 ug/L	10 ug/L
34546	trans-1,2-Dichloroethene	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
39180	Trichloroethene	Z	N	624	10/10/07 16:02	< 10 ug/L	10 ug/L
39175	Vinyl chloride	Z	N	624	10/10/07 16:02	< 20 ug/L	20 ug/L

PART III ANALYTICAL RESULTS

Facility GMS#: _____ Sampling Date/Time: 10/4/2007 / 2:20:00PM

Test Site ID#: 20366 Report Period 2007 / 4

WACS#: 70436 year / qtr

Well Name: LTM-04 Well Purged (Y/N): N

Classification of Groundwater: GII Well Type: ( ) Background

( ) Detection

( ) Compliance

Groundwater Elevation (NGVD): _____ (X) Other

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
39360	4,4'-DDD	Z	N	608	10/11/07 02:03	< 0.10 ug/L	0.10 ug/L
39365	4,4'-DDE	Z	N	608	10/11/07 02:03	< 0.10 ug/L	0.10 ug/L
39370	4,4'-DDT	Z	N	608	10/11/07 02:03	< 0.10 ug/L	0.10 ug/L
39330	Aldrin	Z	N	608	10/11/07 02:03	< 0.050 ug/L	0.050 ug/L
39337	alpha-BHC	Z	N	608	10/11/07 02:03	< 0.50 ug/L	0.50 ug/L
34671	Aroclor 1016	Z	N	608	10/13/07 19:34	< 1.0 ug/L	1.0 ug/L
39488	Aroclor 1221	Z	N	608	10/13/07 19:34	< 2.0 ug/L	2.0 ug/L
39492	Aroclor 1232	Z	N	608	10/13/07 19:34	< 1.0 ug/L	1.0 ug/L
39496	Aroclor 1242	Z	N	608	10/13/07 19:34	< 1.0 ug/L	1.0 ug/L
39500	Aroclor 1248	Z	N	608	10/13/07 19:34	< 1.0 ug/L	1.0 ug/L
39504	Aroclor 1254	Z	N	608	10/13/07 19:34	< 1.0 ug/L	1.0 ug/L
39508	Aroclor 1260	Z	N	608	10/13/07 19:34	< 1.0 ug/L	1.0 ug/L
39338	beta-BHC	Z	N	608	10/11/07 02:03	0.026 ug/L	0.050 ug/L
039350	Chlordane (technical)	Z	N	608	10/11/07 02:03	< 0.50 ug/L	0.50 ug/L
46323	delta-BHC	Z	N	608	10/11/07 02:03	0.018 ug/L	0.050 ug/L
39380	Dieldrin	Z	N	608	10/11/07 02:03	< 0.10 ug/L	0.10 ug/L
34361	Endosulfan I	Z	N	608	10/11/07 02:03	< 0.050 ug/L	0.050 ug/L
34356	Endosulfan II	Z	N	608	10/11/07 02:03	< 0.10 ug/L	0.10 ug/L
34351	Endosulfan sulfate	Z	N	608	10/11/07 02:03	< 0.10 ug/L	0.10 ug/L
39390	Endrin	Z	N	608	10/11/07 02:03	< 0.10 ug/L	0.10 ug/L
34366	Endrin aldehyde	Z	N	608	10/11/07 02:03	< 0.10 ug/L	0.10 ug/L
39340	gamma-BHC (Lindane)	Z	N	608	10/11/07 02:03	< 0.050 ug/L	0.050 ug/L
39410	Heptachlor	Z	N	608	10/11/07 02:03	< 0.050 ug/L	0.050 ug/L
39420	Heptachlor epoxide	Z	N	608	10/11/07 02:03	< 0.050 ug/L	0.050 ug/L
39400	Toxaphene	Z	N	608	10/11/07 02:03	< 5.0 ug/L	5.0 ug/L
34551	1,2,4-Trichlorobenzene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34536	1,2-Dichlorobenzene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34346	1,2-Diphenylhydrazine (as Azobenzene)	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34566	1,3-Dichlorobenzene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34571	1,4-Dichlorobenzene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34621	2,4,6-Trichlorophenol	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34601	2,4-Dichlorophenol	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L

PART III ANALYTICAL RESULTS

Facility GMS#: _____

Sampling Date/Time: 10/4/2007 / 2:20:00PM

Test Site ID#: 20366

Report Period 2007 / 4
year / qtr

WACS#: 70436

Well Name: LTM-04

Well Purged (Y/N): N

Classification of Groundwater: GII

Well Type:
( ) Background
( ) Detection
( ) Compliance
(X) Other

Groundwater Elevation (NGVD): _____

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
34606	2,4-Dimethylphenol	Z	N	625	10/14/07 04:56	23 ug/L	100 ug/L
34616	2,4-Dinitrophenol	Z	N	625	10/14/07 04:56	<200 ug/L	200 ug/L
34611	2,4-Dinitrotoluene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34626	2,6-Dinitrotoluene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34581	2-Chloronaphthalene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34586	2-Chlorophenol	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34591	2-Nitrophenol	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34631	3,3'-Dichlorobenzidine	Z	N	625	10/14/07 04:56	<500 ug/L	500 ug/L
34657	4,6-Dinitro-2-methylphenol	Z	N	625	10/14/07 04:56	<500 ug/L	500 ug
34636	4-Bromophenyl phenyl ether	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34452	4-Chloro-3-methylphenol	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34641	4-Chlorophenyl phenyl ether	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34646	4-Nitrophenol	Z	N	625	10/14/07 04:56	<500 ug/L	500 ug/L
34205	Acenaphthene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34200	Acenaphthylene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34220	Anthracene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
39120	Benzidine	Z	N	625	10/14/07 04:56	<1000 ug/L	1000 ug/L
34526	Benzo(a)anthracene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34247	Benzo(a)pyrene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34230	Benzo(b)fluoranthene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34521	Benzo(ghi)perylene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34242	Benzo(k)fluoranthene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34278	bis(2-Chloroethoxy)methane	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34273	bis(2-Chloroethyl) ether	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
73522	bis(2-Chloroisopropyl) ether	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
39100	bis(2-Ethylhexyl) phthalate	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34292	Butyl benzyl phthalate	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34320	Chrysene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
39110	Di-n-butyl phthalate	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34596	Di-n-octyl phthalate	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/l
034556	Dibenzo(a,h)anthracene	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L
34336	Diethyl phthalate	Z	N	625	10/14/07 04:56	<100 ug/L	100 ug/L

PART III ANALYTICAL RESULTS

Facility GMS#: _____ Sampling Date/Time: 10/4/2007 / 2:20:00PM

Test Site ID#: 20366 Report Period 2007 / 4

WACS#: 70436 year / qtr

Well Name: LTM-04 Well Purged (Y/N): N

Classification of Groundwater: GII Well Type: ( ) Background

( ) Detection

( ) Compliance

(X) Other

Groundwater Elevation (NGVD): _____

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
34341	Dimethyl phthalate	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34376	Fluoranthene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34381	Fluorene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
39700	Hexachlorobenzene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34391	Hexachlorobutadiene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34386	Hexachlorocyclopentadiene	Z	N	625	10/14/07 04:56	< 500 ug/L	500 ug/L
34396	Hexachloroethane	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34403	Indeno(1,2,3-cd)pyrene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34408	Isophorone	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34428	N-Nitrosodi-n-propylamine	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34438	N-Nitrosodimethylamine	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34433	N-Nitrosodiphenylamine	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34696	Naphthalene	Z	N	625	10/14/07 04:56	10 ug/L	100 ug/L
34447	Nitrobenzene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
39032	Pentachlorophenol	Z	N	625	10/14/07 04:56	< 500 ug/L	500 ug/L
34461	Phenanthrene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
046000	Phenol	Z	N	625	10/14/07 04:56	50 ug/L	100 ug/L
34469	Pyrene	Z	N	625	10/14/07 04:56	< 100 ug/L	100 ug/L
34506	1,1,1-Trichloroethane	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34516	1,1,2,2-Tetrachloroethane	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34511	1,1,2-Trichloroethane	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34496	1,1-Dichloroethane	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34501	1,1-Dichloroethene	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34531	1,2-Dichloroethane	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34541	1,2-Dichloropropane	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34561	1,3-Dichloropropene (total)	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34576	2-Chloroethyl vinyl ether	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34210	Acrolein	Z	N	624	10/10/07 16:22	< 330 ug/L	330 ug/L
34215	Acrylonitrile	Z	N	624	10/10/07 16:22	< 330 ug/L	330 ug/L
34030	Benzene	Z	N	624	10/10/07 16:22	5.5 ug/L	17 ug/L
32101	Bromodichloromethane	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
32104	Bromoform	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L

PART III ANALYTICAL RESULTS

Facility GMS#: _____ Sampling Date/Time: 10/4/2007 / 2:20:00PM

Test Site ID#: 20366 Report Period 2007 / 4

WACS#: 70436 year / qtr

Well Name: LTM-04 Well Purged (Y/N): N

Classification of Groundwater: GII Well Type: ( ) Background

( ) Detection

Groundwater Elevation (NGVD): _____ ( ) Compliance

or (MSL): _____ (X) Other

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
34413	Bromomethane	Z	N	624	10/10/07 16:22	< 33 ug/L	33 ug/L
32102	Carbon tetrachloride	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34301	Chlorobenzene	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34311	Chloroethane	Z	N	624	10/10/07 16:22	< 33 ug/L	33 ug/L
32106	Chloroform	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34418	Chloromethane	Z	N	624	10/10/07 16:22	< 33 ug/L	33 ug/L
32105	Dibromochloromethane	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34371	Ethylbenzene	Z	N	624	10/10/07 16:22	24 ug/L	17 ug/L
34423	Methylene chloride	Z	N	624	10/10/07 16:22	6.9 ug/L	17 ug/L
34475	Tetrachloroethene	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
34010	Toluene	Z	N	624	10/10/07 16:22	33 ug/L	17 ug/L
34546	trans-1,2-Dichloroethene	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
39180	Trichloroethene	Z	N	624	10/10/07 16:22	< 17 ug/L	17 ug/L
39175	Vinyl chloride	Z	N	624	10/10/07 16:22	< 33 ug/L	33 ug/L

PART III ANALYTICAL RESULTS

Facility GMS#: _____

Test Site ID#: _____

WACS#: 70436

Well Name: TRIP BLANK 1

Classification of Groundwater: GII

Groundwater Elevation (NGVD): _____

or (MSL): _____

Sampling Date/Time: 10/4/2007 /12:00:00AM

Report Period 2007 / 4
year / qtr

Well Purged (Y/N): N

Well Type:
( ) Background
( ) Detection
( ) Compliance
( ) Other

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
34506	1,1,1-Trichloroethane		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34516	1,1,2,2-Tetrachloroethane		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34511	1,1,2-Trichloroethane		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34496	1,1-Dichloroethane		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34501	1,1-Dichloroethene		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34531	1,2-Dichloroethane		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34541	1,2-Dichloropropane		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34561	1,3-Dichloropropene (total)		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34576	2-Chloroethyl vinyl ether		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34210	Acrolein		N	624	10/10/07 01:57	< 100 ug/L	100 ug/L
34215	Acrylonitrile		N	624	10/10/07 01:57	< 100 ug/L	100 ug/L
34030	Benzene		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
32101	Bromodichloromethane		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
32104	Bromoform		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34413	Bromomethane		N	624	10/10/07 01:57	< 10 ug/L	10 ug/L
32102	Carbon tetrachloride		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34301	Chlorobenzene		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34311	Chloroethane		N	624	10/10/07 01:57	< 10 ug/L	10 ug/L
32106	Chloroform		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34418	Chloromethane		N	624	10/10/07 01:57	< 10 ug/L	10 ug/L
32105	Dibromochloromethane		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34371	Ethylbenzene		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34423	Methylene chloride		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34475	Tetrachloroethene		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34010	Toluene		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
34546	trans-1,2-Dichloroethene		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
39180	Trichloroethene		N	624	10/10/07 01:57	< 5.0 ug/L	5.0 ug/L
39175	Vinyl chloride		N	624	10/10/07 01:57	< 10 ug/L	10 ug/L

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Project No. Site 1011

Okeechobee Landfill

Lot #: D7J060151

Pond 1D

Miguel Delgado
Waste Management Inc.
Berman Rd Landfill
10800 NE 128th Ave
Okeechobee, FL 34927

Cc: Ken Guilbeault

TestAmerica Denver

Melissa L. Wright
Project Manager

October 29, 2007

4955 Yarrow Street Arvada, CO 80002 tel 303.736.0100 fax 303.431.7171 www.testamericainc.com

Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages
Standard Deliverables *The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	

Case Narrative

Enclosed is the report for two samples received at TestAmerica Denver on October 6, 2007. The results included in this report have been reviewed for compliance with TestAmerica's Laboratory Quality Manual. The results relate only to the samples in this report and meet all requirements of NELAC and any exceptions are noted below. TestAmerica Denver's Florida certification number is E87667.

This report may include reporting limits (RLs) less than TestAmerica Denver's standard reporting limit. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

Quality Control Summary for Lot D7J060151

Sample Receiving

The cooler temperature upon receipt at the Denver laboratory was 5.9°C.

All sample bottles were received in acceptable condition.

Holding Times

All analyses were performed within established holding times.

Method Blanks

Total Sodium was detected in the Method 6010B Blank at a concentration below the reporting limit but above the method detection limit. No corrective action is taken for results in the Method Blank that are below the reporting limits.

All other Method Blanks were within established control limits.

Laboratory Control Samples (LCS)

All Laboratory Control Samples were within established control limits.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD)

The method required MS/MSD could not be performed for Method 504.1 due to insufficient sample volume; however, an LCS/LCSD pair was analyzed to demonstrate method precision.

The Method 365.3 MS/MSD was performed on an unrelated sample and demonstrated MS/MSD recoveries and a relative percent difference outside the control limits for Total Phosphorus. All other QC samples were in control; therefore, no corrective action was taken.

All other MS and MSD samples were within established control limits.

Organics

The Method 8260B Continuing Calibration Verification (CCV) standard was outside the percent difference limits for Iodomethane. Because all other calibration criteria were met, no corrective action was necessary.

Metals

The Method 6010B Continuing Calibration Blank (CCB) for Lead was above the project specific reporting limit which is lower than TestAmerica Denver's standard reporting limit. No corrective action is taken for results in the CCB that are below TestAmerica Denver's standard reporting limits.

General Comments

The analyses for Fecal Coliform and Chlorophyll-a were performed at Harbor Branch Environmental Laboratories, Inc.

Harbor Branch
5300 U.S. I North
Fort Pierce, FL 34946
Phone: (772) 465-2400

EXECUTIVE SUMMARY - Detection Highlights

D7J060151

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
POND1D 10/05/07 09:00 001				
Arsenic	1.9 B	5.0	ug/L	SW846 6020
Iron	49 B	50	ug/L	SW846 6010B
Barium	4.2 B	100	ug/L	SW846 6010B
Zinc	4.6 B	20	ug/L	SW846 6010B
Sodium	20000 J	1000	ug/L	SW846 6010B
Hardness, as CaCO3	160	2.0	mg/L	MCAWW 130.2
pH	7.7	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	310	10	mg/L	MCAWW 160.1
Total Suspended Solids	3.2 B	4.0	mg/L	MCAWW 160.2
Total Kjeldahl Nitrogen	1.0	0.50	mg/L	MCAWW 351.2
Nitrate	0.046 B	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	22	1.0	mg/L	MCAWW 415.1
Field Temperature	28.4	--	deg C	MCAWW 170.1
Field pH	5.98	0.1	No Units	MCAWW 150.1
Field Conductivity	433	1	umhos/cm	MCAWW 120.1
Total phosphorus	0.023 B	0.10	mg/L	MCAWW 365.3
Field Dissolved Oxygen	3.5	0.5	mg/L	MCAWW 360.1
Field Turbidity	5.4		NTU	MCAWW 180.1
Ammonia as N	0.050	0.050	mg/L	MCAWW 350.1
Chemical Oxygen Demand (COD)	68	50	mg/L	MCAWW 410.4
Nitrogen	1.0	0.70	mg/L	MCAWW 353.2+351.2

METHODS SUMMARY

D7J060151

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	MCAWW 150.1	MCAWW 150.1
Biochemical Oxygen Demand	MCAWW 405.1	MCAWW 405.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
EDB/DBCP/123-TCP in Water by Microextraction and G	EPA-DW 504.1	SW846 8011
Field pH	MCAWW 150.1	MCAWW 150.1
Field Conductivity	MCAWW 120.1	MCAWW 120.1
Field Dissolved Oxygen	MCAWW 360.1	
Field Temperature	MCAWW 170.1	MCAWW 170.1
Field Turbidity	MCAWW 180.1	
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
ICP-MS (6020)	SW846 6020	SW846 3005A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitrogen (TKN+NO3+NO2)	MCAWW 353.2+351	MCAWW TKN+NOX
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Non-Filterable Residue (TSS)	MCAWW 160.2	MCAWW 160.2
Total phosphorus	MCAWW 365.3	MCAWW 365.3
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2	MCAWW 130.2
Total Kjeldahl Nitrogen	MCAWW 351.2	MCAWW 351.2
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
Unionized NH3 as N	FL-DEP Unionize	FL-DEP Calculat
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

EPA-DW "Methods for the Determination of Organic Compounds in Drinking Water", EPA/600/4-88/039, December 1988 and its Supplements.

FL-DEP State of Florida Department of Environmental Protection, Florida Administrative Code.

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D7J060151

ANALYTICAL METHOD	ANALYST	ANALYST ID
EPA-DW 504.1	Mike Dobransky	008777
FL-DEP Unionized NH3 as	Roxanne K. Sullivan	001200
MCAWW 120.1	Outside Lab	OUT
MCAWW 130.2	Kim Bertha	007985
MCAWW 150.1	Danielle M. Fougere	006481
MCAWW 150.1	Outside Lab	OUT
MCAWW 160.1	ReAnna Davis	002266
MCAWW 160.2	ReAnna Davis	002266
MCAWW 170.1	Outside Lab	OUT
MCAWW 180.1	Outside Lab	OUT
MCAWW 300.0A	Grant Henshaw	004878
MCAWW 350.1	Kevin Bloom	006134
MCAWW 351.2	Daniel Natan	001552
MCAWW 353.2	Kevin Bloom	006134
MCAWW 353.2+351.2	Roxanne K. Sullivan	001200
MCAWW 360.1	Outside Lab	OUT
MCAWW 365.3	Kim Bertha	007985
MCAWW 405.1	Danielle M. Fougere	006481
MCAWW 410.4	Kim Bertha	007985
MCAWW 415.1	Daniel Natan	001552
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6010B	Lynn-Anne Trudell	6645
SW846 6020	Janel Motichka	2862
SW846 7470A	David Wells	5099
SW846 8260B	Jennifer Hazard	007928

References:

EPA-DW "Methods for the Determination of Organic Compounds in Drinking Water", EPA/600/4-88/039, December 1988 and its Supplements.

FL-DEP State of Florida Department of Environmental Protection, Florida Administrative Code.

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D7J060151

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J8ET6	001	POND1D	10/05/07	09:00
J8ET9	002	TRIP BLANK 1	10/05/07	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Waste Management, Inc.

Client Sample ID: POND1D

GC/MS Volatiles

Lot-Sample #...: D7J060151-001 Work Order #...: J8ET61A2 Matrix.....: WATER
Date Sampled...: 10/05/07 09:00 Date Received..: 10/06/07
Prep Date.....: 10/12/07 Analysis Date..: 10/13/07
Prep Batch #...: 7288489 Analysis Time..: 02:22
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acrylonitrile	ND	10	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	1.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	1.0	ug/L	0.21
2-Butanone (MEK)	ND	10	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	1.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	1.0	ug/L	0.17
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
2-Hexanone	ND	10	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	10	ug/L	0.49
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17

(Continued on next page)

Waste Management, Inc.

Client Sample ID: POND1D

GC/MS Volatiles

Lot-Sample #...: D7J060151-001 Work Order #...: J8ET61A2 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	1.0	ug/L	0.94
Vinyl chloride	ND	1.0	ug/L	0.17
Xylenes (total)	ND	1.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	116	(79 - 119)
1,2-Dichloroethane-d4	116	(65 - 126)
4-Bromofluorobenzene	92	(75 - 115)
Toluene-d8	105	(78 - 118)

Waste Management, Inc.

Client Sample ID: TRIP BLANK 1

GC/MS Volatiles

Lot-Sample #...: D7J060151-002 Work Order #...: J8ET91AA Matrix.....: WATER
Date Sampled...: 10/05/07 Date Received..: 10/06/07
Prep Date.....: 10/12/07 Analysis Date..: 10/13/07
Prep Batch #...: 7288489 Analysis Time..: 02:43
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	1.9
Acrylonitrile	ND	10	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	1.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	1.0	ug/L	0.19
Bromomethane	ND	1.0	ug/L	0.21
2-Butanone (MEK)	ND	10	ug/L	1.8
Carbon disulfide	ND	1.0	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.17
Dibromochloromethane	ND	1.0	ug/L	0.17
Chloroethane	ND	1.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	1.0	ug/L	0.17
1,2-Dichlorobenzene	ND	1.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.80
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,1-Dichloroethene	ND	1.0	ug/L	0.14
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
2-Hexanone	ND	10	ug/L	1.4
Iodomethane	ND	1.0	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	10	ug/L	0.49
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17

(Continued on next page)

Waste Management, Inc.

Client Sample ID: TRIP BLANK 1

GC/MS Volatiles

Lot-Sample #...: D7J060151-002 Work Order #...: J8ET91AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
Vinyl acetate	ND	1.0	ug/L	0.94
Vinyl chloride	ND	1.0	ug/L	0.17
Xylenes (total)	ND	1.0	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(79 - 119)
1,2-Dichloroethane-d4	108	(65 - 126)
4-Bromofluorobenzene	91	(75 - 115)
Toluene-d8	109	(78 - 118)

Waste Management, Inc.

Client Sample ID: POND1D

GC Semivolatiles

Lot-Sample #...: D7J060151-001 Work Order #...: J8ET61A3 Matrix.....: WATER
Date Sampled...: 10/05/07 09:00 Date Received..: 10/06/07
Prep Date.....: 10/10/07 Analysis Date..: 10/11/07
Prep Batch #...: 7283259 Analysis Time..: 12:24
Dilution Factor: 1

Method.....: EPA-DW 504.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane (EDB)	ND	0.020	ug/L	0.0037
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.20	ug/L	0.0068

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dibromopropane	98	(70 - 130)

Waste Management, Inc.

Client Sample ID: POND1D

TOTAL Metals

Lot-Sample #...: D7J060151-001 Matrix.....: WATER
Date Sampled...: 10/05/07 09:00 Date Received..: 10/06/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7281423						
Mercury	ND	0.20	ug/L	SW846 7470A	10/09-10/10/07	J8ET61AJ
		Dilution Factor: 1		Analysis Time..: 12:35	MDL.....: 0.027	
Prep Batch #...: 7282212						
Arsenic	**1.9 B**	**5.0**	**ug/L**	**SW846 6020**	**10/11-10/12/07**	**J8ET61AA**
		Dilution Factor: 1		Analysis Time..: 16:12	MDL.....: 0.21	
Thallium	ND	2.0	ug/L	SW846 6020	10/11-10/12/07	J8ET61AF
		Dilution Factor: 1		Analysis Time..: 16:12	MDL.....: 0.020	
Prep Batch #...: 7282329						
Iron	**49 B**	**50**	**ug/L**	**SW846 6010B**	**10/10-10/15/07**	**J8ET61AK**
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 22	
Barium	**4.2 B**	**100**	**ug/L**	**SW846 6010B**	**10/10-10/15/07**	**J8ET6**
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 1.0	
Antimony	ND	6.0	ug/L	SW846 6010B	10/10-10/15/07	J8ET61AM
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 3.1	
Beryllium	ND	4.0	ug/L	SW846 6010B	10/10-10/15/07	J8ET61AN
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 0.47	
Cadmium	ND	5.0	ug/L	SW846 6010B	10/10-10/15/07	J8ET61AP
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 0.45	
Chromium	ND	10	ug/L	SW846 6010B	10/10-10/15/07	J8ET61AQ
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 2.6	
Cobalt	ND	50	ug/L	SW846 6010B	10/10-10/15/07	J8ET61AR
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 1.2	
Copper	ND	25	ug/L	SW846 6010B	10/10-10/15/07	J8ET61AT
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 4.5	
Nickel	ND	40	ug/L	SW846 6010B	10/10-10/15/07	J8ET61AU
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 7.8	

(Continued on next page)

Waste Management, Inc.

Client Sample ID: POND1D

TOTAL Metals

Lot-Sample #...: D7J060151-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	10	ug/L	SW846 6010B	10/10-10/15/07	J8ET61AV
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 2.8	
Vanadium	ND	49	ug/L	SW846 6010B	10/10-10/15/07	J8ET61AW
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 2.5	
Zinc	4.6 B	20	ug/L	SW846 6010B	10/10-10/15/07	J8ET61AX
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 4.5	
Lead	ND	3.0	ug/L	SW846 6010B	10/10-10/15/07	J8ET61A0
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 2.6	
Selenium	ND	5.0	ug/L	SW846 6010B	10/10-10/15/07	J8ET61A1
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 4.9	
Sodium	20000 J	1000	ug/L	SW846 6010B	10/10-10/15/07	J8ET61CF
		Dilution Factor: 1		Analysis Time..: 22:28	MDL.....: 92	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Waste Management, Inc.

Client Sample ID: POND1D

General Chemistry

Lot-Sample #...: D7J060151-001 Work Order #...: J8ET6 Matrix.....: WATER
Date Sampled...: 10/05/07 09:00 Date Received..: 10/06/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.7	0.10	No Units	MCAWW 150.1	10/06/07	7279143
	Dilution Factor: 1			Analysis Time..: 11:32	MDL.....:	
Ammonia as N	0.050	0.050	mg/L	MCAWW 350.1	10/11/07	7285149
	Dilution Factor: 1			Analysis Time..: 11:09	MDL.....: 0.022	
Biochemical Oxygen Demand (BOD)	ND	2.0	mg/L	MCAWW 405.1	10/06/07	7279145
	Dilution Factor: 1			Analysis Time..: 11:30	MDL.....: 0.30	
Chemical Oxygen Demand (COD)	68	50	mg/L	MCAWW 410.4	10/06-10/08/07	7281149
	Dilution Factor: 1			Analysis Time..: 08:00	MDL.....: 4.1	
Field pH	5.98	0.1	No Units	MCAWW 150.1	10/05/07	7297567
	Dilution Factor: 1			Analysis Time..: 00:00	MDL.....:	
Field Conductivity	433	1	umhos/cm	MCAWW 120.1	10/05/07	72975
	Dilution Factor: 1			Analysis Time..: 00:00	MDL.....:	
Field Dissolved Oxygen	3.5	0.5	mg/L	MCAWW 360.1	10/05/07	7297566
	Dilution Factor: 1			Analysis Time..: 00:00	MDL.....: 0.01	
Field Temperature	28.4	--	deg C	MCAWW 170.1	10/05/07	7297568
	Dilution Factor: 1			Analysis Time..: 00:00	MDL.....:	
Field Turbidity	5.4		NTU	MCAWW 180.1	10/05/07	7297569
	Dilution Factor: 1			Analysis Time..: 00:00	MDL.....:	
Hardness, as CaCO3	160	2.0	mg/L	MCAWW 130.2	10/09/07	7282475
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 1.3	
Nitrate	0.046 B	0.50	mg/L	MCAWW 300.0A	10/06/07	7280014
	Dilution Factor: 1			Analysis Time..: 11:28	MDL.....: 0.042	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/11/07	7284549
	Dilution Factor: 1			Analysis Time..: 11:09	MDL.....: 0.019	
Nitrogen	1.0	0.70	mg/L	MCAWW 353.2+351.2	10/17/07	7290236
	Dilution Factor: 1			Analysis Time..: 09:00	MDL.....:	

(Continued on next page)

Waste Management, Inc.

Client Sample ID: POND1D

General Chemistry

Lot-Sample #...: D7J060151-001 Work Order #...: J8ET6 Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total phosphorus	0.023 B	0.10	mg/L	MCAWW 365.3	10/09-10/10/07	7283214
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 0.0050	
Total Dissolved Solids	310	10	mg/L	MCAWW 160.1	10/11/07	7284605
		Dilution Factor: 1		Analysis Time..: 15:20	MDL.....: 4.7	
Total Kjeldahl Nitrogen	1.0	0.50	mg/L	MCAWW 351.2	10/10-10/11/07	7284268
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 0.25	
Total Organic Carbon	22	1.0	mg/L	MCAWW 415.1	10/11/07	7288343
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 0.16	
Total Suspended Solids	3.2 B	4.0	mg/L	MCAWW 160.2	10/10/07	7283636
		Dilution Factor: 1		Analysis Time..: 16:30	MDL.....: 1.1	
Un-ionized Ammonia	ND	0.050	mg/L	FL-DEP Unionized	10/17/07	7290235
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....:	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

D7J060151

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 130.2		7282475	7282314
	WATER	MCAWW 150.1		7279143	7282116
	WATER	MCAWW 160.1		7284605	7287033
	WATER	MCAWW 160.2		7283636	7284306
	WATER	MCAWW 351.2		7284268	7284355
	WATER	MCAWW 353.2		7284549	7284335
	WATER	MCAWW 405.1		7279145	7285069
	WATER	MCAWW 300.0A		7280014	7282099
	WATER	MCAWW 415.1		7288343	7288236
	WATER	MCAWW 170.1		7297568	
	WATER	MCAWW 150.1		7297567	
	WATER	MCAWW 120.1		7297565	
	WATER	MCAWW 365.3		7283214	7284078
	WATER	MCAWW 360.1		7297566	
	WATER	SW846 6020		7282212	7282142
	WATER	SW846 7470A		7281423	7282163
	WATER	EPA-DW 504.1		7283259	
	WATER	SW846 8260B		7288489	7288295
	WATER	SW846 6010B		7282329	7282219
	WATER	MCAWW 180.1		7297569	
	WATER	FL-DEP Unionized		7290235	
	WATER	MCAWW 350.1		7285149	7285085
	WATER	MCAWW 410.4		7281149	7281073
	WATER	MCAWW 353.2+351.2		7290236	
002	WATER	SW846 8260B		7288489	7288295

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D7J060151 Work Order #...: J817L1AA Matrix.....: WATER
MB Lot-Sample #: D7J150000-489

Prep Date.....: 10/12/07 Analysis Time..: 23:12
Analysis Date..: 10/12/07 Prep Batch #...: 7288489
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acrylonitrile	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D7J060151 **Work Order #...:** J817L1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(79 - 119)
1,2-Dichloroethane-d4	101	(65 - 126)
4-Bromofluorobenzene	89	(75 - 115)
Toluene-d8	111	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D7J060151 Work Order #...: J817L1AC Matrix.....: WATER
LCS Lot-Sample#: D7J150000-489
Prep Date.....: 10/12/07 Analysis Date..: 10/12/07
Prep Batch #...: 7288489 Analysis Time..: 23:36
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	104	(77 - 118)	SW846 8260B
1,3-Dichlorobenzene	96	(75 - 115)	SW846 8260B
Bromodichloromethane	98	(78 - 118)	SW846 8260B
Carbon tetrachloride	112	(80 - 120)	SW846 8260B
Chlorobenzene	101	(78 - 118)	SW846 8260B
Chloroform	102	(78 - 118)	SW846 8260B
1,1-Dichloroethane	107	(77 - 117)	SW846 8260B
trans-1,2-Dichloroethene	108	(80 - 120)	SW846 8260B
1,1-Dichloroethene	117	(68 - 133)	SW846 8260B
1,2-Dichloropropane	98	(76 - 116)	SW846 8260B
Ethylbenzene	107	(78 - 118)	SW846 8260B
Methylene chloride	97	(71 - 119)	SW846 8260B
Tetrachloroethene	111	(77 - 117)	SW846 8260B
Toluene	104	(73 - 120)	SW846 8260B
1,1,1-Trichloroethane	115	(78 - 118)	SW846 8260B
Trichloroethene	109	(78 - 122)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(79 - 119)
1,2-Dichloroethane-d4	105	(65 - 126)
4-Bromofluorobenzene	97	(75 - 115)
Toluene-d8	107	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D7J060151 Work Order #...: J817L1AC Matrix.....: WATER
LCS Lot-Sample#: D7J150000-489
Prep Date.....: 10/12/07 Analysis Date..: 10/12/07
Prep Batch #...: 7288489 Analysis Time..: 23:36
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	5.00	5.22	ug/L	104	SW846 8260B
1,3-Dichlorobenzene	5.00	4.79	ug/L	96	SW846 8260B
Bromodichloromethane	5.00	4.92	ug/L	98	SW846 8260B
Carbon tetrachloride	5.00	5.58	ug/L	112	SW846 8260B
Chlorobenzene	5.00	5.04	ug/L	101	SW846 8260B
Chloroform	5.00	5.12	ug/L	102	SW846 8260B
1,1-Dichloroethane	5.00	5.34	ug/L	107	SW846 8260B
trans-1,2-Dichloroethene	5.00	5.40	ug/L	108	SW846 8260B
1,1-Dichloroethene	5.00	5.86	ug/L	117	SW846 8260B
1,2-Dichloropropane	5.00	4.92	ug/L	98	SW846 8260B
Ethylbenzene	5.00	5.35	ug/L	107	SW846 8260B
Methylene chloride	5.00	4.85	ug/L	97	SW846 8260B
Tetrachloroethene	5.00	5.57	ug/L	111	SW846 8260B
Toluene	5.00	5.20	ug/L	104	SW846 8260B
1,1,1-Trichloroethane	5.00	5.77	ug/L	115	SW846 82(
Trichloroethene	5.00	5.43	ug/L	109	SW846 826

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(79 - 119)
1,2-Dichloroethane-d4	105	(65 - 126)
4-Bromofluorobenzene	97	(75 - 115)
Toluene-d8	107	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D7J060151 Work Order #...: J8DMQ1AH-MS Matrix.....: WATER
MS Lot-Sample #: D7J050304-001 J8DMQ1AJ-MSD
Date Sampled...: 10/04/07 12:32 Date Received..: 10/05/07
Prep Date.....: 10/12/07 Analysis Date..: 10/13/07
Prep Batch #...: 7288489 Analysis Time..: 00:17
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	102	(77 - 118)			SW846 8260B
	96	(77 - 118)	5.2	(0-20)	SW846 8260B
1,3-Dichlorobenzene	94	(75 - 115)			SW846 8260B
	92	(75 - 115)	2.5	(0-20)	SW846 8260B
Bromodichloromethane	99	(78 - 118)			SW846 8260B
	94	(78 - 118)	5.1	(0-20)	SW846 8260B
Carbon tetrachloride	110	(80 - 120)			SW846 8260B
	106	(80 - 120)	3.6	(0-21)	SW846 8260B
Chlorobenzene	102	(78 - 118)			SW846 8260B
	98	(78 - 118)	3.4	(0-20)	SW846 8260B
Chloroform	103	(78 - 118)			SW846 8260B
	97	(78 - 118)	5.3	(0-20)	SW846 8260B
1,1-Dichloroethane	103	(77 - 117)			SW846 8260B
	99	(77 - 117)	4.1	(0-21)	SW846 8260B
trans-1,2-Dichloroethene	109	(80 - 120)			SW846 8260B
	102	(80 - 120)	6.5	(0-24)	SW846 8260B
1,1-Dichloroethene	108	(68 - 133)			SW846 8260B
	108	(68 - 133)	0.63	(0-20)	SW846 8260B
1,2-Dichloropropane	97	(76 - 116)			SW846 8260B
	94	(76 - 116)	3.7	(0-20)	SW846 8260B
Ethylbenzene	105	(78 - 118)			SW846 8260B
	100	(78 - 118)	5.6	(0-26)	SW846 8260B
Methylene chloride	96	(71 - 119)			SW846 8260B
	92	(71 - 119)	3.2	(0-20)	SW846 8260B
Tetrachloroethene	106	(77 - 117)			SW846 8260B
	106	(77 - 117)	0.08	(0-20)	SW846 8260B
Toluene	104	(73 - 120)			SW846 8260B
	100	(73 - 120)	3.1	(0-20)	SW846 8260B
1,1,1-Trichloroethane	113	(78 - 118)			SW846 8260B
	108	(78 - 118)	4.3	(0-20)	SW846 8260B
Trichloroethene	106	(78 - 122)			SW846 8260B
	100	(78 - 122)	5.8	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(79 - 119)
	110	(79 - 119)
1,2-Dichloroethane-d4	107	(65 - 126)
	103	(65 - 126)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D7J060151 **Work Order #...:** J8DMQ1AH-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J050304-001 J8DMQ1AJ-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	99	(75 - 115)
	95	(75 - 115)
Toluene-d8	108	(78 - 118)
	105	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D7J060151 Work Order #...: J8DMQ1AH-MS Matrix.....: WATER
MS Lot-Sample #: D7J050304-001 J8DMQ1AJ-MSD
Date Sampled...: 10/04/07 12:32 Date Received..: 10/05/07
Prep Date.....: 10/12/07 Analysis Date..: 10/13/07
Prep Batch #...: 7288489 Analysis Time..: 00:17
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	5.00	5.08	ug/L	102		SW846 8260B
	ND	5.00	4.82	ug/L	96	5.2	SW846 8260B
1,3-Dichlorobenzene	ND	5.00	4.72	ug/L	94		SW846 8260B
	ND	5.00	4.61	ug/L	92	2.5	SW846 8260B
Bromodichloromethane	ND	5.00	4.93	ug/L	99		SW846 8260B
	ND	5.00	4.68	ug/L	94	5.1	SW846 8260B
Carbon tetrachloride	ND	5.00	5.52	ug/L	110		SW846 8260B
	ND	5.00	5.32	ug/L	106	3.6	SW846 8260B
Chlorobenzene	ND	5.00	5.08	ug/L	102		SW846 8260B
	ND	5.00	4.91	ug/L	98	3.4	SW846 8260B
Chloroform	ND	5.00	5.13	ug/L	103		SW846 8260B
	ND	5.00	4.87	ug/L	97	5.3	SW846 8260B
1,1-Dichloroethane	ND	5.00	5.17	ug/L	103		SW846 8260B
	ND	5.00	4.96	ug/L	99	4.1	SW846 8260B
trans-1,2-Dichloroethene	ND	5.00	5.46	ug/L	109		SW846 8260B
	ND	5.00	5.11	ug/L	102	6.5	SW846 8260B
1,1-Dichloroethene	ND	5.00	5.38	ug/L	108		SW846 8260B
	ND	5.00	5.41	ug/L	108	0.63	SW846 8260B
1,2-Dichloropropane	ND	5.00	4.87	ug/L	97		SW846 8260B
	ND	5.00	4.69	ug/L	94	3.7	SW846 8260B
Ethylbenzene	ND	5.00	5.27	ug/L	105		SW846 8260B
	ND	5.00	4.98	ug/L	100	5.6	SW846 8260B
Methylene chloride	ND	5.00	4.78	ug/L	96		SW846 8260B
	ND	5.00	4.62	ug/L	92	3.2	SW846 8260B
Tetrachloroethene	ND	5.00	5.31	ug/L	106		SW846 8260B
	ND	5.00	5.31	ug/L	106	0.08	SW846 8260B
Toluene	ND	5.00	5.18	ug/L	104		SW846 8260B
	ND	5.00	5.02	ug/L	100	3.1	SW846 8260B
1,1,1-Trichloroethane	ND	5.00	5.64	ug/L	113		SW846 8260B
	ND	5.00	5.40	ug/L	108	4.3	SW846 8260B
Trichloroethene	ND	5.00	5.31	ug/L	106		SW846 8260B
	ND	5.00	5.02	ug/L	100	5.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(79 - 119)
	110	(79 - 119)
1,2-Dichloroethane-d4	107	(65 - 126)
	103	(65 - 126)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D7J060151 Work Order #...: J8DMQ1AH-MS Matrix.....: WATER
MS Lot-Sample #: D7J050304-001 J8DMQ1AJ-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	99	(75 - 115)
	95	(75 - 115)
Toluene-d8	108	(78 - 118)
	105	(78 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D7J060151
MB Lot-Sample #: D7J100000-259

Work Order #...: J8LEE1AA

Matrix.....: WATER

Prep Date.....: 10/10/07
Prep Batch #...: 7283259

Analysis Date..: 10/11/07
Dilution Factor: 1

Analysis Time..: 10:24

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dibromoethane (EDB)	ND	0.020	ug/L	EPA-DW 504.1
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.20	ug/L	EPA-DW 504.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dibromopropane	103	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D7J060151 Work Order #...: J8LEE1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D7J100000-259 J8LEE1AD-LCSD
Prep Date.....: 10/10/07 Analysis Date..: 10/11/07
Prep Batch #...: 7283259 Analysis Time..: 09:45
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane (EDB)	96	(70 - 130)			EPA-DW 504.1
	95	(70 - 130)	0.99	(0-30)	EPA-DW 504.1
1,2-Dibromo-3-chloropropane (DBCP)	117	(70 - 130)			EPA-DW 504.1
	117	(70 - 130)	0.24	(0-30)	EPA-DW 504.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dibromopropane	104	(70 - 130)
	104	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D7J060151 **Work Order #...:** J8LEE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J100000-259 J8LEE1AD-LCSD
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283259 **Analysis Time..:** 09:45
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dibromoethane (EDB)	0.250	0.241	ug/L	96		EPA-DW 504.1
	0.250	0.239	ug/L	95	0.99	EPA-DW 504.1
1,2-Dibromo-3-chloropropane (DBCP)	0.250	0.293	ug/L	117		EPA-DW 504.1
	0.250	0.292	ug/L	117	0.24	EPA-DW 504.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dibromopropane	104	(70 - 130)
	104	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D7J090000-212 Prep Batch #...: 7282212						
Arsenic	ND	5.0	ug/L	SW846 6020	10/11-10/12/07	J8HK21AA
		Dilution Factor: 1				
		Analysis Time..: 15:23				
Thallium	ND	2.0	ug/L	SW846 6020	10/11-10/12/07	J8HK21AC
		Dilution Factor: 1				
		Analysis Time..: 15:23				
MB Lot-Sample #: D7J080000-423 Prep Batch #...: 7281423						
Mercury	ND	0.20	ug/L	SW846 7470A	10/09-10/10/07	J8HXJ1AA
		Dilution Factor: 1				
		Analysis Time..: 11:55				
MB Lot-Sample #: D7J090000-329 Prep Batch #...: 7282329						
Iron	ND	50	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Barium	ND	100	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AC
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Antimony	ND	6.0	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AD
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Beryllium	ND	4.0	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AE
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AF
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Chromium	ND	10	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AG
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Cobalt	ND	50	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AH
		Dilution Factor: 1				
		Analysis Time..: 21:19				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	25	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AJ
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Nickel	ND	40	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AK
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Silver	ND	10	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AL
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Vanadium	ND	49	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AM
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Zinc	ND	20	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AN
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Lead	ND	3.0	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AP
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Selenium	ND	5.0	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AQ
		Dilution Factor: 1				
		Analysis Time..: 21:19				
Sodium	130 B	1000	ug/L	SW846 6010B	10/10-10/15/07	J8H8A1AR
		Dilution Factor: 1				
		Analysis Time..: 21:19				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D7J080000-423 **Prep Batch #...:** 7281423					
Mercury	95	(88 - 111)	SW846 7470A	10/09-10/10/07	J8HXJ1AC
		Dilution Factor: 1		Analysis Time..: 11:57	
LCS Lot-Sample#: D7J090000-212 **Prep Batch #...:** 7282212					
Arsenic	103	(89 - 111)	SW846 6020	10/11-10/12/07	J8HK21AD
		Dilution Factor: 1		Analysis Time..: 15:27	
Thallium	103	(86 - 124)	SW846 6020	10/11-10/12/07	J8HK21AE
		Dilution Factor: 1		Analysis Time..: 15:27	
LCS Lot-Sample#: D7J090000-329 **Prep Batch #...:** 7282329					
Iron	96	(89 - 115)	SW846 6010B	10/10-10/15/07	J8H8A1AT
		Dilution Factor: 1		Analysis Time..: 21:24	
Barium	102	(90 - 112)	SW846 6010B	10/10-10/15/07	J8H8A1AU
		Dilution Factor: 1		Analysis Time..: 21:24	
Antimony	100	(88 - 110)	SW846 6010B	10/10-10/15/07	J8H8A1AV
		Dilution Factor: 1		Analysis Time..: 21:24	
Beryllium	98	(89 - 113)	SW846 6010B	10/10-10/15/07	J8H8A1AW
		Dilution Factor: 1		Analysis Time..: 21:24	
Cadmium	104	(88 - 111)	SW846 6010B	10/10-10/15/07	J8H8A1AX
		Dilution Factor: 1		Analysis Time..: 21:24	
Chromium	101	(90 - 113)	SW846 6010B	10/10-10/15/07	J8H8A1A0
		Dilution Factor: 1		Analysis Time..: 21:24	
Cobalt	98	(89 - 111)	SW846 6010B	10/10-10/15/07	J8H8A1A1
		Dilution Factor: 1		Analysis Time..: 21:24	
Copper	97	(86 - 112)	SW846 6010B	10/10-10/15/07	J8H8A1A2
		Dilution Factor: 1		Analysis Time..: 21:24	
Nickel	98	(89 - 111)	SW846 6010B	10/10-10/15/07	J8H8A1A3
		Dilution Factor: 1		Analysis Time..: 21:24	

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	89	(86 - 115)	SW846 6010B	10/10-10/15/07	J8H8A1A4
		Dilution Factor: 1	Analysis Time..: 21:24		
Vanadium	99	(90 - 111)	SW846 6010B	10/10-10/15/07	J8H8A1A5
		Dilution Factor: 1	Analysis Time..: 21:24		
Zinc	95	(85 - 111)	SW846 6010B	10/10-10/15/07	J8H8A1A6
		Dilution Factor: 1	Analysis Time..: 21:24		
Lead	95	(89 - 110)	SW846 6010B	10/10-10/15/07	J8H8A1A7
		Dilution Factor: 1	Analysis Time..: 21:24		
Selenium	99	(85 - 112)	SW846 6010B	10/10-10/15/07	J8H8A1A8
		Dilution Factor: 1	Analysis Time..: 21:24		
Sodium	106	(90 - 115)	SW846 6010B	10/10-10/15/07	J8H8A1A9
		Dilution Factor: 1	Analysis Time..: 21:24		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D7J080000-423 **Prep Batch #...:** 7281423							
Mercury	5.00	4.77	ug/L	95	SW846 7470A	10/09-10/10/07	J8HXJ1AC
			Dilution Factor: 1		Analysis Time..: 11:57		
LCS Lot-Sample#: D7J090000-212 **Prep Batch #...:** 7282212							
Arsenic	40.0	41.0	ug/L	103	SW846 6020	10/11-10/12/07	J8HK21AD
			Dilution Factor: 1		Analysis Time..: 15:27		
Thallium	40.0	41.2	ug/L	103	SW846 6020	10/11-10/12/07	J8HK21AE
			Dilution Factor: 1		Analysis Time..: 15:27		
LCS Lot-Sample#: D7J090000-329 **Prep Batch #...:** 7282329							
Iron	1000	962	ug/L	96	SW846 6010B	10/10-10/15/07	J8H8A1AT
			Dilution Factor: 1		Analysis Time..: 21:24		
Barium	2000	2030	ug/L	102	SW846 6010B	10/10-10/15/07	J8H8A1AU
			Dilution Factor: 1		Analysis Time..: 21:24		
Antimony	500	498	ug/L	100	SW846 6010B	10/10-10/15/07	J8H8A1AV
			Dilution Factor: 1		Analysis Time..: 21:24		
Beryllium	50.0	49.2	ug/L	98	SW846 6010B	10/10-10/15/07	J8H8A1AW
			Dilution Factor: 1		Analysis Time..: 21:24		
Cadmium	100	104	ug/L	104	SW846 6010B	10/10-10/15/07	J8H8A1AX
			Dilution Factor: 1		Analysis Time..: 21:24		
Chromium	200	202	ug/L	101	SW846 6010B	10/10-10/15/07	J8H8A1A0
			Dilution Factor: 1		Analysis Time..: 21:24		
Cobalt	500	488	ug/L	98	SW846 6010B	10/10-10/15/07	J8H8A1A1
			Dilution Factor: 1		Analysis Time..: 21:24		
Copper	250	241	ug/L	97	SW846 6010B	10/10-10/15/07	J8H8A1A2
			Dilution Factor: 1		Analysis Time..: 21:24		
Nickel	500	488	ug/L	98	SW846 6010B	10/10-10/15/07	J8H8A1A3
			Dilution Factor: 1		Analysis Time..: 21:24		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D7J060151 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	50.0	44.7	ug/L	89	SW846 6010B	10/10-10/15/07	J8H8A1A4
			Dilution Factor: 1		Analysis Time..: 21:24		
Vanadium	500	494	ug/L	99	SW846 6010B	10/10-10/15/07	J8H8A1A5
			Dilution Factor: 1		Analysis Time..: 21:24		
Zinc	500	477	ug/L	95	SW846 6010B	10/10-10/15/07	J8H8A1A6
			Dilution Factor: 1		Analysis Time..: 21:24		
Lead	500	474	ug/L	95	SW846 6010B	10/10-10/15/07	J8H8A1A7
			Dilution Factor: 1		Analysis Time..: 21:24		
Selenium	2000	1970	ug/L	99	SW846 6010B	10/10-10/15/07	J8H8A1A8
			Dilution Factor: 1		Analysis Time..: 21:24		
Sodium	50000	52800	ug/L	106	SW846 6010B	10/10-10/15/07	J8H8A1A9
			Dilution Factor: 1		Analysis Time..: 21:24		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER
Date Sampled...: 10/03/07 08:55 Date Received..: 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040208-001 Prep Batch #...: 7281423							
Mercury	98	(88 - 111)			SW846 7470A	10/09-10/10/07	J78X61A4
	96	(88 - 111)	2.3	(0-10)	SW846 7470A	10/09-10/10/07	J78X61A5

Dilution Factor: 1
Analysis Time..: 12:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER
Date Sampled...: 10/03/07 08:55 Date Received..: 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040208-001 **Prep Batch #...:** 7281423									
Mercury									
	ND	5.00	4.89	ug/L	98		SW846 7470A	10/09-10/10/07	J78X61A4
	ND	5.00	4.78	ug/L	96	2.3	SW846 7470A	10/09-10/10/07	J78X61A5
			Dilution Factor: 1						
			Analysis Time..: 12:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER
Date Sampled...: 10/04/07 09:40 Date Received..: 10/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J050190-002 Prep Batch #...: 7282212							
Arsenic	100	(79 - 120)			SW846 6020	10/11-10/12/07	J8CKT1A4
	96	(79 - 120)	3.0	(0-30)	SW846 6020	10/11-10/12/07	J8CKT1A5
		Dilution Factor: 1					
		Analysis Time..: 15:53					
Thallium	98	(77 - 124)			SW846 6020	10/11-10/12/07	J8CKT1A6
	100	(77 - 124)	1.8	(0-30)	SW846 6020	10/11-10/12/07	J8CKT1A7
		Dilution Factor: 1					
		Analysis Time..: 15:53					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER
Date Sampled...: 10/04/07 09:40 Date Received..: 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J050190-002 Prep Batch #...: 7282212									
Arsenic									
	17	40.0	57.0	ug/L	100		SW846 6020	10/11-10/12/07	J8CKT1A4
	17	40.0	55.4	ug/L	96	3.0	SW846 6020	10/11-10/12/07	J8CKT1A5
			Dilution Factor: 1						
			Analysis Time..: 15:53						
Thallium									
	3.2	40.0	42.3	ug/L	98		SW846 6020	10/11-10/12/07	J8CKT1A6
	3.2	40.0	43.1	ug/L	100	1.8	SW846 6020	10/11-10/12/07	J8CKT1A7
			Dilution Factor: 1						
			Analysis Time..: 15:53						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER
Date Sampled...: 10/04/07 09:02 Date Received..: 10/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J050190-001 Prep Batch #...: 7282329							
Iron	93	(52 - 155)			SW846 6010B	10/10-10/15/07	J8CKR1A4
	99	(52 - 155)	2.0	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1A5
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Barium	103	(85 - 120)			SW846 6010B	10/10-10/15/07	J8CKR1A6
	104	(85 - 120)	1.1	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1A7
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Antimony	100	(81 - 124)			SW846 6010B	10/10-10/15/07	J8CKR1A8
	102	(81 - 124)	2.0	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1A9
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Beryllium	99	(79 - 121)			SW846 6010B	10/10-10/15/07	J8CKR1CA
	101	(79 - 121)	1.6	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1CC
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Cadmium	105	(82 - 119)			SW846 6010B	10/10-10/15/07	J8CKR1CD
	106	(82 - 119)	1.3	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1CE
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Chromium	102	(73 - 135)			SW846 6010B	10/10-10/15/07	J8CKR1CF
	104	(73 - 135)	1.7	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1CG
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Cobalt	99	(82 - 119)			SW846 6010B	10/10-10/15/07	J8CKR1CH
	100	(82 - 119)	1.4	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1CJ
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Copper	99	(82 - 129)			SW846 6010B	10/10-10/15/07	J8CKR1CK
	99	(82 - 129)	0.23	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1CL
		Dilution Factor: 1					
		Analysis Time..: 21:39					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER
Date Sampled...: 10/04/07 09:02 Date Received..: 10/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	98	(84 - 120)			SW846 6010B	10/10-10/15/07	J8CKR1CM
	100	(84 - 120)	1.6	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1CN
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Silver	87	(75 - 141)			SW846 6010B	10/10-10/15/07	J8CKR1CP
	86	(75 - 141)	0.96	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1CQ
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Vanadium	99	(85 - 120)			SW846 6010B	10/10-10/15/07	J8CKR1CR
	101	(85 - 120)	1.6	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1CT
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Zinc	94	(60 - 137)			SW846 6010B	10/10-10/15/07	J8CKR1CU
	95	(60 - 137)	0.49	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1CV
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Lead	94	(89 - 121)			SW846 6010B	10/10-10/15/07	J8CKR1CW
	96	(89 - 121)	2.3	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1CX
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Selenium	98	(71 - 140)			SW846 6010B	10/10-10/15/07	J8CKR1C0
	99	(71 - 140)	1.1	(0-25)	SW846 6010B	10/10-10/15/07	J8CKR1C1
		Dilution Factor: 1					
		Analysis Time..: 21:39					
Sodium	105	(90 - 115)			SW846 6010B	10/10-10/15/07	J8CKR1C2
	109	(90 - 115)	2.6	(0-20)	SW846 6010B	10/10-10/15/07	J8CKR1C3
		Dilution Factor: 1					
		Analysis Time..: 21:39					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D7J060151 **Matrix.....:** WATER
Date Sampled...: 10/04/07 09:02 **Date Received..:** 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J050190-001 **Prep Batch #...:** 7282329									
Iron									
	1900	1000	2830	ug/L	93		SW846 6010B	10/10-10/15/07	J8CKR1A4
	1900	1000	2890	ug/L	99	2.0	SW846 6010B	10/10-10/15/07	J8CKR1A5
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Barium									
	18	2000	2070	ug/L	103		SW846 6010B	10/10-10/15/07	J8CKR1A6
	18	2000	2090	ug/L	104	1.1	SW846 6010B	10/10-10/15/07	J8CKR1A7
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Antimony									
	ND	500	503	ug/L	100		SW846 6010B	10/10-10/15/07	J8CKR1A8
	ND	500	513	ug/L	102	2.0	SW846 6010B	10/10-10/15/07	J8CKR1A9
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Beryllium									
	ND	50.0	49.5	ug/L	99		SW846 6010B	10/10-10/15/07	J8CKR1CA
	ND	50.0	50.3	ug/L	101	1.6	SW846 6010B	10/10-10/15/07	J8CKR1CC
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Cadmium									
	ND	100	105	ug/L	105		SW846 6010B	10/10-10/15/07	J8CKR1CD
	ND	100	106	ug/L	106	1.3	SW846 6010B	10/10-10/15/07	J8CKR1CE
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Chromium									
	ND	200	205	ug/L	102		SW846 6010B	10/10-10/15/07	J8CKR1CF
	ND	200	209	ug/L	104	1.7	SW846 6010B	10/10-10/15/07	J8CKR1CG
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Cobalt									
	ND	500	494	ug/L	99		SW846 6010B	10/10-10/15/07	J8CKR1CH
	ND	500	501	ug/L	100	1.4	SW846 6010B	10/10-10/15/07	J8CKR1CJ
			Dilution Factor: 1						
			Analysis Time..: 21:39						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D7J060151 **Matrix.....:** WATER
Date Sampled...: 10/04/07 09:02 **Date Received..:** 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper									
	ND	250	248	ug/L	99		SW846 6010B	10/10-10/15/07	J8CKR1CK
	ND	250	248	ug/L	99	0.23	SW846 6010B	10/10-10/15/07	J8CKR1CL
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Nickel									
	ND	500	492	ug/L	98		SW846 6010B	10/10-10/15/07	J8CKR1CM
	ND	500	500	ug/L	100	1.6	SW846 6010B	10/10-10/15/07	J8CKR1CN
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Silver									
	ND	50.0	44.9	ug/L	87		SW846 6010B	10/10-10/15/07	J8CKR1CP
	ND	50.0	44.5	ug/L	86	0.96	SW846 6010B	10/10-10/15/07	J8CKR1CQ
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Vanadium									
	ND	500	498	ug/L	99		SW846 6010B	10/10-10/15/07	J8CKR1CR
	ND	500	506	ug/L	101	1.6	SW846 6010B	10/10-10/15/07	J8CKR1CT
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Zinc									
	11	500	484	ug/L	94		SW846 6010B	10/10-10/15/07	J8CKR1CU
	11	500	486	ug/L	95	0.49	SW846 6010B	10/10-10/15/07	J8CKR1CV
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Lead									
	ND	500	471	ug/L	94		SW846 6010B	10/10-10/15/07	J8CKR1CW
	ND	500	482	ug/L	96	2.3	SW846 6010B	10/10-10/15/07	J8CKR1CX
			Dilution Factor: 1						
			Analysis Time..: 21:39						
Selenium									
	ND	2000	1960	ug/L	98		SW846 6010B	10/10-10/15/07	J8CKR1C0
	ND	2000	1980	ug/L	99	1.1	SW846 6010B	10/10-10/15/07	J8CKR1C1
			Dilution Factor: 1						
			Analysis Time..: 21:39						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D7J060151 Matrix.....: WATER
Date Sampled...: 10/04/07 09:02 Date Received..: 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	20000	50000	72400	ug/L	105		SW846 6010B	10/10-10/15/07	J8CKR1C2
	20000	50000	74200	ug/L	109	2.6	SW846 6010B	10/10-10/15/07	J8CKR1C3

Dilution Factor: 1
Analysis Time..: 21:39

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D7J060151 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N		Work Order #: J8RW81AA		MB Lot-Sample #:	D7J120000-149	
	ND	0.050	mg/L	MCAWW 350.1	10/11/07	7285149
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Biochemical Oxygen Demand (BOD)		Work Order #: J8RT21AA		MB Lot-Sample #:	D7J060000-145	
	ND	2.0	mg/L	MCAWW 405.1	10/06/07	7279145
		Dilution Factor: 1				
		Analysis Time..: 11:30				
Chemical Oxygen Demand (COD)		Work Order #: J8FP31AA		MB Lot-Sample #:	D7J080000-149	
	ND	50	mg/L	MCAWW 410.4	10/06-10/08/07	7281149
		Dilution Factor: 1				
		Analysis Time..: 08:00				
Hardness, as CaCO3		Work Order #: J8JV31AA		MB Lot-Sample #:	D7J090000-475	
	ND	2.0	mg/L	MCAWW 130.2	10/09/07	7282475
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Nitrate		Work Order #: J8G9C1AA		MB Lot-Sample #:	D7J070000-014	
	ND	0.50	mg/L	MCAWW 300.0A	10/06/07	7280014
		Dilution Factor: 1				
		Analysis Time..: 10:43				
Nitrate-Nitrite		Work Order #: J8Q2M1AA		MB Lot-Sample #:	D7J110000-549	
	ND	0.10	mg/L	MCAWW 353.2	10/11/07	7284549
		Dilution Factor: 1				
		Analysis Time..: 11:09				
Nitrogen		Work Order #: J85LG1AA		MB Lot-Sample #:	D7J170000-236	
	ND	0.70	mg/L	MCAWW 353.2+351.2	10/17/07	7290236
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Total phosphorus		Work Order #: J8NMA1AA		MB Lot-Sample #:	D7J100000-214	
	ND	0.10	mg/L	MCAWW 365.3	10/09-10/10/07	7283214
		Dilution Factor: 1				
		Analysis Time..: 12:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D7J060151 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: J80HA1AA		MB Lot-Sample #: D7J110000-605		
	ND	10	mg/L	MCAWW 160.1	10/11/07	7284605
		Dilution Factor: 1				
		Analysis Time..: 15:20				
Total Kjeldahl Nitrogen		Work Order #: J8Q511AA		MB Lot-Sample #: D7J110000-268		
	ND	0.50	mg/L	MCAWW 351.2	10/10-10/11/07	7284268
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Total Organic Carbon		Work Order #: J81TH1AA		MB Lot-Sample #: D7J150000-343		
	ND	1.0	mg/L	MCAWW 415.1	10/11/07	7288343
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Total Suspended Solids		Work Order #: J8QTR1AA		MB Lot-Sample #: D7J100000-636		
	ND	4.0	mg/L	MCAWW 160.2	10/10/07	7283636
		Dilution Factor: 1				
		Analysis Time..: 16:30				
Un-ionized Ammonia		Work Order #: J85K71AA		MB Lot-Sample #: D7J170000-235		
	ND	0.050	mg/L	FL-DEP Unionized	10/17/07	7290235
		Dilution Factor: 1				
		Analysis Time..: 09:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7J060151 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		WO#:J8HEJ1AA-LCS/J8HEJ1AC-LCSD LCS Lot-Sample#: D7J060000-143					
	100	(97 - 102)			MCAWW 150.1	10/06/07	7279143
	100	(97 - 102)	0.14	(0-5.0)	MCAWW 150.1	10/06/07	7279143
		Dilution Factor: 1			Analysis Time..: 09:32		
Ammonia as N		WO#:J8RW81AC-LCS/J8RW81AD-LCSD LCS Lot-Sample#: D7J120000-149					
	103	(90 - 110)			MCAWW 350.1	10/11/07	7285149
	102	(90 - 110)	0.85	(0-10)	MCAWW 350.1	10/11/07	7285149
		Dilution Factor: 1			Analysis Time..: 11:09		
Biochemical Oxygen Demand (BOD)		WO#:J8RT21AC-LCS/J8RT21AD-LCSD LCS Lot-Sample#: D7J060000-145					
	90	(85 - 115)			MCAWW 405.1	10/06/07	7279145
	87	(85 - 115)	3.4	(0-20)	MCAWW 405.1	10/06/07	7279145
		Dilution Factor: 1			Analysis Time..: 11:30		
Chemical Oxygen Demand (COD)		WO#:J8FP31AC-LCS/J8FP31AD-LCSD LCS Lot-Sample#: D7J080000-149					
	101	(80 - 115)			MCAWW 410.4	10/06-10/08/07	7281149
	97	(80 - 115)	4.2	(0-11)	MCAWW 410.4	10/06-10/08/07	7281149
		Dilution Factor: 1			Analysis Time..: 08:00		
Hardness, as CaCO3		WO#:J8JV31AC-LCS/J8JV31AD-LCSD LCS Lot-Sample#: D7J090000-475					
	100	(90 - 110)			MCAWW 130.2	10/09/07	7282475
	98	(90 - 110)	1.8	(0-10)	MCAWW 130.2	10/09/07	7282475
		Dilution Factor: 1			Analysis Time..: 12:00		
Nitrate		WO#:J8G9C1AC-LCS/J8G9C1AD-LCSD LCS Lot-Sample#: D7J070000-014					
	103	(90 - 110)			MCAWW 300.0A	10/06/07	7280014
	102	(90 - 110)	0.61	(0-10)	MCAWW 300.0A	10/06/07	7280014
		Dilution Factor: 1			Analysis Time..: 10:12		
Nitrate-Nitrite		WO#:J8Q2M1AC-LCS/J8Q2M1AD-LCSD LCS Lot-Sample#: D7J110000-549					
	100	(90 - 112)			MCAWW 353.2	10/11/07	7284549
	96	(90 - 112)	3.9	(0-10)	MCAWW 353.2	10/11/07	7284549
		Dilution Factor: 1			Analysis Time..: 11:09		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7J060151 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total phosphorus		WO#:J8NMA1AC-LCS/J8NMA1AD-LCSD LCS Lot-Sample#: D7J100000-214					
	98	(90 - 110)			MCAWW 365.3	10/09-10/10/07	7283214
	99	(90 - 110)	1.3	(0-20)	MCAWW 365.3	10/09-10/10/07	7283214
		Dilution Factor: 1			Analysis Time..: 12:00		
Total Dissolved Solids		WO#:J80HA1AC-LCS/J80HA1AD-LCSD LCS Lot-Sample#: D7J110000-605					
	99	(86 - 106)			MCAWW 160.1	10/11/07	7284605
	99	(86 - 106)	0.20	(0-20)	MCAWW 160.1	10/11/07	7284605
		Dilution Factor: 1			Analysis Time..: 15:20		
Total Kjeldahl Nitrogen		WO#:J8Q511AC-LCS/J8Q511AD-LCSD LCS Lot-Sample#: D7J110000-268					
	89	(77 - 115)			MCAWW 351.2	10/10-10/11/07	7284268
	85	(77 - 115)	5.2	(0-25)	MCAWW 351.2	10/10-10/11/07	7284268
		Dilution Factor: 1			Analysis Time..: 09:00		
Total Organic Carbon		WO#:J81TH1AC-LCS/J81TH1AD-LCSD LCS Lot-Sample#: D7J150000-343					
	102	(86 - 114)			MCAWW 415.1	10/11/07	7288343
	103	(86 - 114)	0.81	(0-12)	MCAWW 415.1	10/11/07	7288343
		Dilution Factor: 1			Analysis Time..: 17:00		
Total Suspended Solids		WO#:J8QTR1AC-LCS/J8QTR1AD-LCSD LCS Lot-Sample#: D7J100000-636					
	89	(86 - 114)			MCAWW 160.2	10/10/07	7283636
	97	(86 - 114)	8.6	(0-20)	MCAWW 160.2	10/10/07	7283636
		Dilution Factor: 1			Analysis Time..: 16:30		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7J060151 **Matrix.....: WATER**

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH			WO#:J8HEJ1AA-LCS/J8HEJ1AC-LCSD LCS Lot-Sample#: D7J060000-143					
	7.00	7.00	No Units	100		MCAWW 150.1	10/06/07	7279143
	7.00	7.01	No Units	100	0.14	MCAWW 150.1	10/06/07	7279143
			Dilution Factor: 1			Analysis Time..: 09:32		
Ammonia as N			WO#:J8RW81AC-LCS/J8RW81AD-LCSD LCS Lot-Sample#: D7J120000-149					
	4.00	4.12	mg/L	103		MCAWW 350.1	10/11/07	7285149
	4.00	4.08	mg/L	102	0.85	MCAWW 350.1	10/11/07	7285149
			Dilution Factor: 1			Analysis Time..: 11:09		
Biochemical Oxygen Demand (BOD)			WO#:J8RT21AC-LCS/J8RT21AD-LCSD LCS Lot-Sample#: D7J060000-145					
	198	178	mg/L	90		MCAWW 405.1	10/06/07	7279145
	198	172	mg/L	87	3.4	MCAWW 405.1	10/06/07	7279145
			Dilution Factor: 1			Analysis Time..: 11:30		
Chemical Oxygen Demand (COD)			WO#:J8FP31AC-LCS/J8FP31AD-LCSD LCS Lot-Sample#: D7J080000-149					
	100	101	mg/L	101		MCAWW 410.4	10/06-10/08/07	7281149
	100	96.7	mg/L	97	4.2	MCAWW 410.4	10/06-10/08/07	7281149
			Dilution Factor: 1			Analysis Time..: 08:00		
Hardness, as CaCO3			WO#:J8JV31AC-LCS/J8JV31AD-LCSD LCS Lot-Sample#: D7J090000-475					
	400	400	mg/L	100		MCAWW 130.2	10/09/07	7282475
	400	393	mg/L	98	1.8	MCAWW 130.2	10/09/07	7282475
			Dilution Factor: 1			Analysis Time..: 12:00		
Nitrate			WO#:J8G9C1AC-LCS/J8G9C1AD-LCSD LCS Lot-Sample#: D7J070000-014					
	5.00	5.14	mg/L	103		MCAWW 300.0A	10/06/07	7280014
	5.00	5.10	mg/L	102	0.61	MCAWW 300.0A	10/06/07	7280014
			Dilution Factor: 1			Analysis Time..: 10:12		
Nitrate-Nitrite			WO#:J8Q2M1AC-LCS/J8Q2M1AD-LCSD LCS Lot-Sample#: D7J110000-549					
	4.00	3.98	mg/L	100		MCAWW 353.2	10/11/07	7284549
	4.00	3.83	mg/L	96	3.9	MCAWW 353.2	10/11/07	7284549
			Dilution Factor: 1			Analysis Time..: 11:09		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7J060151 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total phosphorus		WO#:J8NMA1AC-LCS/J8NMA1AD-LCSD					LCS Lot-Sample#: D7J100000-214	
	0.500	0.488	mg/L	98		MCAWW 365.3	10/09-10/10/07	7283214
	0.500	0.494	mg/L	99	1.3	MCAWW 365.3	10/09-10/10/07	7283214
		Dilution Factor: 1				Analysis Time..: 12:00		
Total Dissolved Solids		WO#:J80HA1AC-LCS/J80HA1AD-LCSD					LCS Lot-Sample#: D7J110000-605	
	500	495	mg/L	99		MCAWW 160.1	10/11/07	7284605
	500	496	mg/L	99	0.20	MCAWW 160.1	10/11/07	7284605
		Dilution Factor: 1				Analysis Time..: 15:20		
Total Kjeldahl Nitrogen		WO#:J8Q511AC-LCS/J8Q511AD-LCSD					LCS Lot-Sample#: D7J110000-268	
	3.00	2.68	mg/L	89		MCAWW 351.2	10/10-10/11/07	7284268
	3.00	2.54	mg/L	85	5.2	MCAWW 351.2	10/10-10/11/07	7284268
		Dilution Factor: 1				Analysis Time..: 09:00		
Total Organic Carbon		WO#:J81TH1AC-LCS/J81TH1AD-LCSD					LCS Lot-Sample#: D7J150000-343	
	25.0	25.6	mg/L	102		MCAWW 415.1	10/11/07	7288343
	25.0	25.8	mg/L	103	0.81	MCAWW 415.1	10/11/07	7288343
		Dilution Factor: 1				Analysis Time..: 17:00		
Total Suspended Solids		WO#:J8QTR1AC-LCS/J8QTR1AD-LCSD					LCS Lot-Sample#: D7J100000-636	
	100	89.0	mg/L	89		MCAWW 160.2	10/10/07	7283636
	100	97.0	mg/L	97	8.6	MCAWW 160.2	10/10/07	7283636
		Dilution Factor: 1				Analysis Time..: 16:30		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J060151 Matrix.....: WATER
Date Sampled...: 10/05/07 11:51 Date Received..: 10/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N			WO#: J8CKR1C4-MS/J8CKR1C5-MSD			MS Lot-Sample #: D7J050190-001	
	104	(81 - 114)			MCAWW 350.1	10/11/07	7285149
	102	(81 - 114)	2.1	(0-10)	MCAWW 350.1	10/11/07	7285149
		Dilution Factor: 1					
		Analysis Time..: 11:09					
Chemical Oxygen Demand (COD)			WO#: J78KK1CG-MS/J78KK1CH-MSD			MS Lot-Sample #: D7J040153-001	
	104	(80 - 115)			MCAWW 410.4	10/06-10/08/07	7281148
	90	(80 - 115)	5.0	(0-11)	MCAWW 410.4	10/06-10/08/07	7281148
		Dilution Factor: 1					
		Analysis Time..: 08:00					
Hardness, as CaCO3			WO#: J7P5H1C4-MS/J7P5H1C5-MSD			MS Lot-Sample #: D7I260375-020	
	102	(90 - 110)			MCAWW 130.2	10/09/07	7282475
	101	(90 - 110)	0.87	(0-10)	MCAWW 130.2	10/09/07	7282475
		Dilution Factor: 1					
		Analysis Time..: 12:00					
Nitrate			WO#: J8EVQ1CF-MS/J8EVQ1CG-MSD			MS Lot-Sample #: D7J060153-005	
	102	(80 - 120)			MCAWW 300.0A	10/06/07	7280014
	103	(80 - 120)	1.7	(0-20)	MCAWW 300.0A	10/06/07	7280014
		Dilution Factor: 1					
		Analysis Time..: 13:52					
Nitrate-Nitrite			WO#: J8ET61CH-MS/J8ET61CJ-MSD			MS Lot-Sample #: D7J060151-001	
	91	(72 - 113)			MCAWW 353.2	10/11/07	7284549
	91	(72 - 113)	0.44	(0-17)	MCAWW 353.2	10/11/07	7284549
		Dilution Factor: 1					
		Analysis Time..: 11:09					
Total phosphorus			WO#: J8D7P1EJ-MS/J8D7P1EK-MSD			MS Lot-Sample #: D7J050368-011	
	123 N	(90 - 110)			MCAWW 365.3	10/09-10/10/07	7283215
	6.0 N,*	(90 - 110)	60	(0-20)	MCAWW 365.3	10/09-10/10/07	7283215
		Dilution Factor: 1					
		Analysis Time..: 12:00					
Total Kjeldahl Nitrogen			WO#: J8C911AT-MS/J8C911AU-MSD			MS Lot-Sample #: D7J050266-005	
	100	(54 - 131)			MCAWW 351.2	10/10-10/11/07	7284268
	99	(54 - 131)	0.97	(0-38)	MCAWW 351.2	10/10-10/11/07	7284268
		Dilution Factor: 1					
		Analysis Time..: 09:00					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J060151 Matrix.....: WATER
Date Sampled...: 10/05/07 11:51 Date Received..: 10/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#: J8C9E1A7-MS/J8C9E1A8-MSD				MS Lot-Sample #: D7J050266-001	
	98	(65 - 139)			MCAWW 415.1	10/11/07	7288343
	98	(65 - 139)	0.23	(0-41)	MCAWW 415.1	10/11/07	7288343
		Dilution Factor: 1					
		Analysis Time..: 18:00					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D7J060151 **Matrix.....:** WATER
Date Sampled...: 10/05/07 11:51 **Date Received..:** 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N			WO#: J8CKR1C4-MS/J8CKR1C5-MSD MS Lot-Sample #: D7J050190-001						
	0.69	4.00	4.86	mg/L	104		MCAWW 350.1	10/11/07	7285149
	0.69	4.00	4.76	mg/L	102	2.1	MCAWW 350.1	10/11/07	7285149
			Dilution Factor: 1						
			Analysis Time..: 11:09						
Chemical Oxygen Demand (COD)			WO#: J78KK1CG-MS/J78KK1CH-MSD MS Lot-Sample #: D7J040153-001						
	86	50.0	137	mg/L	104		MCAWW 410.4	10/06-10/08/07	7281148
	86	50.0	131	mg/L	90	5.0	MCAWW 410.4	10/06-10/08/07	7281148
			Dilution Factor: 1						
			Analysis Time..: 08:00						
Hardness, as CaCO3			WO#: J7P5H1C4-MS/J7P5H1C5-MSD MS Lot-Sample #: D7I260375-020						
	250	400	656	mg/L	102		MCAWW 130.2	10/09/07	7282475
	250	400	651	mg/L	101	0.87	MCAWW 130.2	10/09/07	7282475
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Nitrate			WO#: J8EVQ1CF-MS/J8EVQ1CG-MSD MS Lot-Sample #: D7J060153-005						
	ND	5.00	5.12	mg/L	102		MCAWW 300.0A	10/06/07	7280014
	ND	5.00	5.20	mg/L	103	1.7	MCAWW 300.0A	10/06/07	7280014
			Dilution Factor: 1						
			Analysis Time..: 13:52						
Nitrate-Nitrite			WO#: J8ET61CH-MS/J8ET61CJ-MSD MS Lot-Sample #: D7J060151-001						
	ND	20.0	18.2	mg/L	91		MCAWW 353.2	10/11/07	7284549
	ND	20.0	18.2	mg/L	91	0.44	MCAWW 353.2	10/11/07	7284549
			Dilution Factor: 1						
			Analysis Time..: 11:09						
Total phosphorus			WO#: J8D7P1EJ-MS/J8D7P1EK-MSD MS Lot-Sample #: D7J050368-011						
	6.6	5.00	12.7 N	mg/L	123		MCAWW 365.3	10/09-10/10/07	7283215
	6.6	5.00	6.89	mg/L	6.0	60	MCAWW 365.3	10/09-10/10/07	7283215
			Qualifiers: N,*						
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Total Kjeldahl Nitrogen			WO#: J8C911AT-MS/J8C911AU-MSD MS Lot-Sample #: D7J050266-005						
	ND	3.00	3.00	mg/L	100		MCAWW 351.2	10/10-10/11/07	7284268
	ND	3.00	2.97	mg/L	99	0.97	MCAWW 351.2	10/10-10/11/07	7284268
			Dilution Factor: 1						
			Analysis Time..: 09:00						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D7J060151 Matrix.....: WATER
Date Sampled...: 10/05/07 11:51 Date Received..: 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#: J8C9E1A7-MS/J8C9E1A8-MSD				MS Lot-Sample #: D7J050266-001		
	0.66	25.0	25.2	mg/L	98		MCAWW 415.1	10/11/07	7288343
	0.66	25.0	25.2	mg/L	98	0.23	MCAWW 415.1	10/11/07	7288343
			Dilution Factor: 1						
			Analysis Time..: 18:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J060151 Work Order #...: J8E2D-SMP J8E2D-DUP Matrix.....: WATER

Date Sampled...: 10/05/07 11:01 Date Received..: 10/06/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #:	D7J060172-001	
	8.9	8.9	No Units	0.11	(0-5.0)	MCAWW 150.1	10/06/07	7279143

Dilution Factor: 1 Analysis Time..: 13:54

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J060151 Work Order #...: J8D0T-SMP J8D0T-DUP Matrix.....: WATER

Date Sampled...: 10/04/07 10:45 Date Received..: 10/05/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: D7J050338-004		
	2.0 J	2.0 J	mg/L	0.0	(0-20)	MCAWW 160.2	10/10/07	7283637
			Dilution Factor: 1			Analysis Time..: 16:30		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated: The analyte was positively identified, but quantitation is estimated.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J060151 Work Order #...: J8CRM-SMP J8CRM-DUP Matrix.....: WATER

Date Sampled...: 10/04/07 13:00 Date Received..: 10/05/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J050205-002		
	230	230	mg/L	1.7	(0-20)	MCAWW 160.1	10/11/07	7284604

Dilution Factor: 1 Analysis Time..: 15:20

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J060151 **Work Order #...:** J8EQK-SMP J8EQK-DUP **Matrix.....:** WATER

Date Sampled...: 10/05/07 14:00 **Date Received..:** 10/06/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)						SD Lot-Sample #: D7J060135-001		
	ND	ND	mg/L	0	(0-20)	MCAWW 405.1	10/06/07	7279144

Dilution Factor: 5 Analysis Time..: 11:30

5.9 CP 10/6/07

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

4124 (0807)

Client: OKEECHOBEE	Project Manager: MIGUEL DELGADO	Date: 10/04/2007	Chain of Custody Number: 400070
Address: 10800 NE 168 AVE	Telephone Number (Area Code)/Fax Number	Lab Number: STL-DENVER	Page 1 of 1
City: OKEECHOBEE / State: FL / Zip Code: 34972	Site Contact	Lab Contact: M. Wright	
Project Name and Location (State): Okeechobee WTP	Carrier/Waybill Number: FEDEX		
Contract/Purchase Order/Quote No.: 436030-C			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Total Metals	NH3, TKN, NO3+NO2	TDS, Nb(tcc)	8260B VOA	504.1 (EDB/DBCP)	Hardness	TSS, pH	THMs, TOC, TOX	BOD	Fecal	Chlorophyll-a	*Subbed to HBEL-Ft. Pierce	Special Instructions/ Conditions of Receipt
POND ID	10/04/2007	0900		✓			4	3	1	3			3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
TRIP	09/26/2007	–		✓												✓										

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Ben Ramgeanan	10/04/2007	1200	1. Received By	10-5-07	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

Client: OKEECHOBEE

Project Manager: MARGIE DELGADO

Date: 10/5/07

Chain of Custody Number: 40070

Address: 1600 NE 8th Ave

Telephone Number (Area Code)/Fax Number:

Lab Number: STL-DENVER

Page 1 of 1

City: OKEECHOBEE

State: FL

Zip Code: 34972

Site Contact:

Lab Contact: M. Uhrich

Project Name and Location (State): Okeechobee, FL

Carrier/Waybill Number: FedEx

Contract/Purchase Order/Quote No.: 112427-C

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Water	Soil	Containers & Preservatives: HCl	H2SO4	HNO3	NaOH	None	Other	Special Instructions/ Conditions of Receipt
Pond 10	10/5/07	0900	✓			4	3	1	3	3		
Trip Blank (DSA)				✓						✓		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other

QC Requirements (Specify):

	Relinquished By	Date	Time	Received By	Date	Time
1	[signature]	10/5/07	1200			
2	(DSA)	10/9/2007	1200			
3						

Comments:

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

HARBOR BRANCH
ENVIRONMENTAL
LABORATORIES, INC.
5600 U.S. 1 North, Fort Pierce FL 34946
Phone: (772) 465-2400, Ext. 285 Fax: (772) 467-1584

Date issued: October 10, 2007

To: Melissa Wright
Severn Trent Laboratories
4955 Yarrow Street
Arvada, CO 80002

Client: Severn Trent Laboratories
Workorder ID: Okeechobee 1011 **[2029042]**
Received: 10/05/07 11:00

Dear Melissa Wright;

Analytical results presented in this report have been reviewed for compliance with the HARBOR BRANCH Environmental Laboratories Inc.'s (HBEL) 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, E85370, 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,

Cindy Cromer
Technical Director or Designee

HARBOR BRANCH
ENVIRONMENTAL
LABORATORIES, INC.
5600 U.S. 1 North, Fort Pierce FL 34946
Phone: (772) 465-2400, Ext. 285 Fax: (772) 467-1584

Quality Control Summary

Client: Severn Trent Laboratories
Workorder ID: Okeechobee 1011 **[2029042]**
Received: 10/05/07 11:00

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

Quality Control Summary

Method	HBEL Batch	Analyte	Analytical Issue

HARBOR BRANCH
ENVIRONMENTAL
LABORATORIES, INC.
5600 U.S. 1 North, Fort Pierce FL 34946
Phone: (772) 465-2400, Ext. 285 Fax: (772) 467-1584

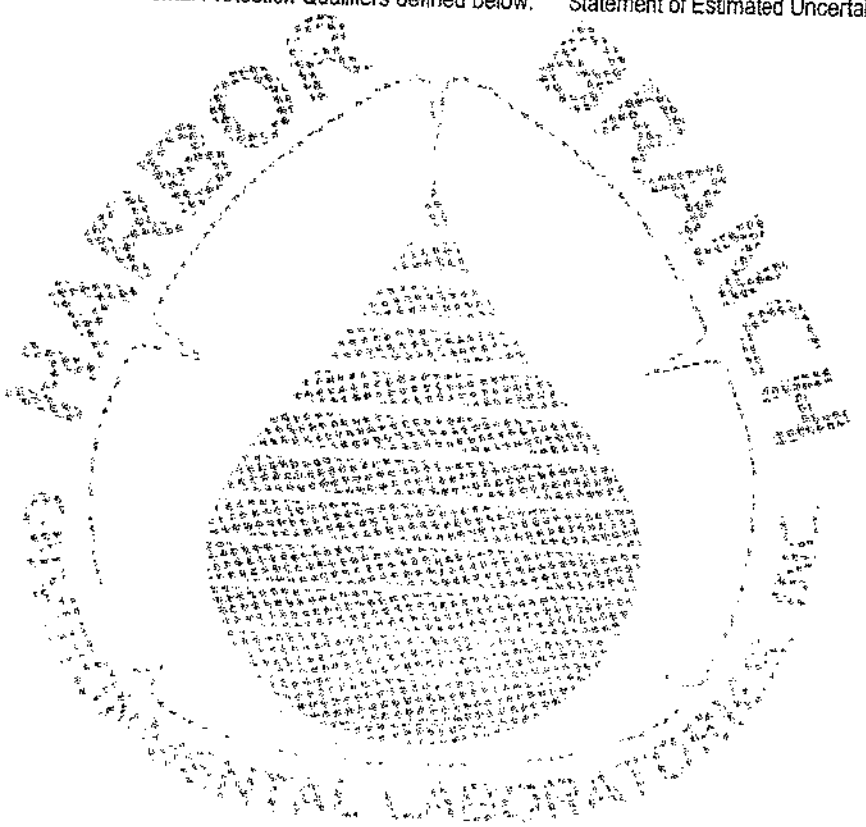
CERTIFICATE OF ANALYSIS

[2029042]

Client: Severn Trent Laboratories *Workorder ID:* Okeechobee 1011

Parameter	Qualifier	Result[1]	Units	Reporting Limit	Method	Laboratory Batch	Prep Date/Time	Analyzed Date/Time	Analyst	Lab ID
Laboratory ID: **2029042001**										
Sample ID: **Pond 1D**										
						Sampled: 10/05/07 9:00		*Received: 10/05/07 11:00*		
						Matrix: Water		Results reported on Wet Weight Basis		
Chlorophyll a		0.026	mg/L	0.00050	SM10200H	WCGE28298	10/5/07 13:35	10/10/07 14:02	GG	E96080
Fecal Coliform		22	CFU/100mL	1.0	SM9222 D	MICR12242		10/5/07 11:40	TR	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.



Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

Temp 3.2°C

4124 (0807)

Client: TestAmerica Denver	Project Manager: Melissa Wright	Date: 10/05/2007	Chain of Custody Number: 400073
Address: 4955 Yarrow St.	Telephone Number (Area Code)/Fax Number: Melissa.Wright@testamericainc.com	Lab Number: FORT PIERCE HARBOR BRANCH	Page 1 of 1
City: Arvada	State: CO Zip Code: 80002	Site Contact / Lab Contact	
Project Name and Location (State): Okeechobee 1011	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 43630-C			

Analysis (Attach list if more space is needed): A312 — Fecal Coli-MM, Chlorophyll-a

2029042

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH		Fecal Coli-MM	Chlorophyll-a										Special Instructions/ Conditions of Receipt
POND ID	10/04/2007 (05)	0900		✓			2						1	✓	✓										001

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Ben Rangeaward	10/4/2007	1100	1. Received By: [signature]	10.5.07	1100
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBU... WHITE - Returned to Client with Report, CANARY - Stays with the Sample; PINK - Field Co...

FIELD INFORMATION FORM

Site Name: OKEECHOBEE

Site No.:

Sample Point: POND ID (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: D7J0095I-001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
10/05/07	0900				

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N — Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Purging Device: —
Sampling Device: F
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
X-Other:

Filter Type: —
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type:
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC) (ft/msl)
Depth to Water (DTW) (from TOC) (ft)
Groundwater Elevation (site datum, from TOC) (ft/msl)
Total Well Depth (from TOC) (ft)
Stick Up (from ground elevation) (ft)
Casing ID (in)
Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		1st	1st				3	
		2nd	2nd					
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
10/05/07	5.98	433	28.4	5.4	3.5	398	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR — Odor: NONE — Color: LT BROWN TINT — Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: S/0-5 — Outlook: CLEAR 80°F — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
10/05/07	BEN RAMLEGAN	Ben Ramlegan	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

PART III ANALYTICAL RESULTS

Facility GMS#: _____ Sampling Date/Time: 10/5/2007 / 9:00:00AM

Test Site ID#: 20368 Report Period 2007 / 4

WACS#: 70436 year / qtr

Well Name: POND1D Well Purged (Y/N): N

Classification of Groundwater: GII Well Type: ( ) Background

( ) Detection

Groundwater Elevation (NGVD): _____ ( ) Compliance

or (MSL): _____ (X) Other

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
01097	Antimony	Z	N	6010	10/15/07 22:28	< 6.0 ug/L	6.0 ug/L
01002	Arsenic	Z	N	6020	10/12/07 16:12	1.9 ug/L	5.0 ug/L
01007	Barium	Z	N	6010	10/15/07 22:28	4.2 ug/L	100 ug/L
01012	Beryllium	Z	N	6010	10/15/07 22:28	< 4.0 ug/L	4.0 ug/L
01027	Cadmium	Z	N	6010	10/15/07 22:28	< 5.0 ug/L	5.0 ug/L
01034	Chromium	Z	N	6010	10/15/07 22:28	< 10 ug/L	10 ug/L
01037	Cobalt	Z	N	6010	10/15/07 22:28	< 50 ug/L	50 ug/L
01042	Copper	Z	N	6010	10/15/07 22:28	< 25 ug/L	25 ug/L
01045	Iron	Z	N	6010	10/15/07 22:28	49 ug/L	50 ug/L
01051	Lead	Z	N	6010	10/15/07 22:28	< 3.0 ug/L	3.0 ug/L
71900	Mercury	Z	N	7470	10/10/07 12:35	< 0.20 ug/L	0.20 ug/L
01067	Nickel	Z	N	6010	10/15/07 22:28	< 40 ug/L	40 ug/L
01147	Selenium	Z	N	6010	10/15/07 22:28	< 5.0 ug/L	5.0 ug/L
01077	Silver	Z	N	6010	10/15/07 22:28	< 10 ug/L	10 ug/L
00929	Sodium	Z	N	6010	10/15/07 22:28	20 mg/L	1 mg/L
01059	Thallium	Z	N	6020	10/12/07 16:12	< 2.0 ug/L	2.0 ug/L
01087	Vanadium	Z	N	6010	10/15/07 22:28	< 49 ug/L	49 ug/L
01092	Zinc	Z	N	6010	10/15/07 22:28	4.6 ug/L	20 ug/L
00610	Ammonia as N	Z	N	350.1	10/11/07 11:09	0.050 mg/L	0.050 mg/L
00310	Biochemical Oxygen Demand	Z	N	405.1	10/06/07 11:30	< 2.0 mg/L	2.0 mg/L
00340	Chemical Oxygen Demand (COD)	Z	N	410.4	10/08/07 08:00	68 mg/L	50 mg/L
000094	Field Conductivity	Z	N	120.1	10/05/07 00:00	433 umhos/cm	1 umhos/cm
000299	Field Dissolved Oxygen	Z	N	360.1	10/05/07 00:00	3.5 mg/L	0.5 mg/L
000406	Field pH	Z	N	150.1	10/05/07 00:00	5.98 Std	0.1 Std
00010	Field Temperature	Z	N	170.1	10/05/07 00:00	28.4 deg C	--
82078	Field Turbidity	Z	N	180.1	10/05/07 00:00	5.4 NTU	--
00900	Hardness, as CaCO3	Z	N	130.2	10/09/07 12:00	160 mg/L	2.0 mg/L
00620	Nitrate	Z	N	300.0	10/06/07 11:28	0.046 mg/L	0.50 mg/L
00630	Nitrate-Nitrite	Z	N	353.2	10/11/07 11:09	< 0.10 mg/L	0.10 mg/L
000403	pH	Z	N	150.1	10/06/07 11:32	7.7 Std	0.10 Std
070300	Total Dissolved Solids	Z	N	160.1	10/11/07 15:20	310 mg/L	10 mg/L
00625	Total Kjeldahl Nitrogen	Z	N	351.2	10/11/07 09:00	1.0 mg/L	0.50 mg/L

PART III ANALYTICAL RESULTS

ility GMS#: _____ Sampling Date/Time: 10/5/2007 / 9:00:00AM

Test Site ID#: 20368 Report Period 2007 / 4

WACS#: 70436 year / qtr

Well Name: POND1D Well Purged (Y/N): N

Classification of Groundwater: GII Well Type: ( ) Background

( ) Detection

( ) Compliance

(X) Other

Groundwater Elevation (NGVD): _____

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
00680	Total Organic Carbon	Z	N	415.1	10/11/07 20:00	22 mg/L	1.0 mg/L
00665	Total phosphorus	Z	N	365.3 (Phospho	10/10/07 12:00	0.023 mg/L	0.10 mg/L
00530	Total Suspended Solids	Z	N	160.2	10/10/07 16:30	3.2 mg/L	4.0 mg/L
00619	Un-ionized Ammonia	Z	N	DEP-SOP	10/17/07 09:00	< 0.050 mg/L	0.050 mg/L
038437	1,2-Dibromo-3-chloropropane (DBCP)	Z	N	504.1 (Drinkin	10/11/07 12:24	< 0.20 ug/L	0.20 ug/L
77651	1,2-Dibromoethane (EDB)	Z	N	504.1 (Drinkin	10/11/07 12:24	< 0.020 ug/L	0.020 ug/L
77562	1,1,1,2-Tetrachloroethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34506	1,1,1-Trichloroethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
	1,1,2,2-Tetrachloroethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34511	1,1,2-Trichloroethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34496	1,1-Dichloroethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34501	1,1-Dichloroethene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
77443	1,2,3-Trichloropropane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34536	1,2-Dichlorobenzene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34531	1,2-Dichloroethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34541	1,2-Dichloropropane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34571	1,4-Dichlorobenzene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
81595	2-Butanone (MEK)	Z	N	8260	10/13/07 02:22	< 10 ug/L	10 ug/L
077103	2-Hexanone	Z	N	8260	10/13/07 02:22	< 10 ug/L	10 ug/L
81596	4-Methyl-2-pentanone	Z	N	8260	10/13/07 02:22	< 10 ug/L	10 ug/L
81552	Acetone	Z	N	8260	10/13/07 02:22	< 10 ug/L	10 ug/L
34215	Acrylonitrile	Z	N	8260	10/13/07 02:22	< 10 ug/L	10 ug/L
34030	Benzene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
073085	Bromochloromethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
32101	Bromodichloromethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
32104	Bromoform	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34413	Bromomethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
077041	Carbon disulfide	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
32102	Carbon tetrachloride	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
?	Chlorobenzene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
343..	Chloroethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
32106	Chloroform	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L

PART III ANALYTICAL RESULTS

Facility GMS#: _____ Sampling Date/Time: 10/5/2007 / 9:00:00AM

Test Site ID#: 20368 Report Period 2007 / 4

WACS#: 70436 year / qtr

Well Name: POND1D Well Purged (Y/N): N

Classification of Groundwater: GII Well Type: ( ) Background

( ) Detection

Groundwater Elevation (NGVD): ( ) Compliance

or (MSL): (X) Other

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
34418	Chloromethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
77093	cis-1,2-Dichloroethene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34704	cis-1,3-Dichloropropene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
32105	Dibromochloromethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
77596	Dibromomethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34371	Ethylbenzene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
77424	Iodomethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34423	Methylene chloride	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
77128	Styrene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34475	Tetrachloroethene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
78131	Toluene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34546	trans-1,2-Dichloroethene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34699	trans-1,3-Dichloropropene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
049263	trans-1,4-Dichloro-2-butene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
39180	Trichloroethene	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
34488	Trichlorofluoromethane	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
77057	Vinyl acetate	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
39175	Vinyl chloride	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L
81551	Xylenes (total)	Z	N	8260	10/13/07 02:22	< 1.0 ug/L	1.0 ug/L

PART III ANALYTICAL RESULTS

ility GMS#: _____ Sampling Date/Time: 10/5/2007 /12:00:00AM

Test Site ID#: _____ Report Period 2007 / 4

WACS#: 70436 year / qtr

Well Name: TRIP BLANK 1 Well Purged (Y/N): N

Classification of Groundwater: GII Well Type: ( ) Background

( ) Detection

Groundwater Elevation (NGVD): _____ ( ) Compliance

or (MSL): _____ ( ) Other

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
77562	1,1,1,2-Tetrachloroethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34506	1,1,1-Trichloroethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34516	1,1,2,2-Tetrachloroethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34511	1,1,2-Trichloroethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34496	1,1-Dichloroethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34501	1,1-Dichloroethene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
77443	1,2,3-Trichloropropane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34536	1,2-Dichlorobenzene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
	1,2-Dichloroethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
[illegible]	1,2-Dichloropropane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34571	1,4-Dichlorobenzene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
81595	2-Butanone (MEK)		N	8260	10/13/07 02:43	< 10 ug/L	10 ug/L
077103	2-Hexanone		N	8260	10/13/07 02:43	< 10 ug/L	10 ug/L
81596	4-Methyl-2-pentanone		N	8260	10/13/07 02:43	< 10 ug/L	10 ug/L
81552	Acetone		N	8260	10/13/07 02:43	< 10 ug/L	10 ug/L
34215	Acrylonitrile		N	8260	10/13/07 02:43	< 10 ug/L	10 ug/L
34030	Benzene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
073085	Bromochloromethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
32101	Bromodichloromethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
32104	Bromoform		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34413	Bromomethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
077041	Carbon disulfide		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
32102	Carbon tetrachloride		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34301	Chlorobenzene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34311	Chloroethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
32106	Chloroform		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34418	Chloromethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
77093	cis-1,2-Dichloroethene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34704	cis-1,3-Dichloropropene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
	Dibromochloromethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
	Dibromomethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34371	Ethylbenzene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L

PART III ANALYTICAL RESULTS

Facility GMS#: _____ Sampling Date/Time: 10/5/2007 /12:00:00AM

Test Site ID#: _____ Report Period 2007 / 4
year / qtr

WACS#: 70436

Well Name: TRIP BLANK 1 Well Purged (Y/N): N

Classification of Groundwater: GII Well Type: ( ) Background
( ) Detection
( ) Compliance
( ) Other

Groundwater Elevation (NGVD): _____
or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limit/Units
77424	Iodomethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34423	Methylene chloride		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
77128	Styrene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34475	Tetrachloroethene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
78131	Toluene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34546	trans-1,2-Dichloroethene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34699	trans-1,3-Dichloropropene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
049263	trans-1,4-Dichloro-2-butene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
39180	Trichloroethene		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
34488	Trichlorofluoromethane		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
77057	Vinyl acetate		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
39175	Vinyl chloride		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L
81551	Xylenes (total)		N	8260	10/13/07 02:43	< 1.0 ug/L	1.0 ug/L