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Date: January 28, 2011
Refer To: ENV-RCRA-11-013
LA-UR: 11-00411

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Mr. William C. Olson, Chief
Ground Water Quality Bureau
New Mexico Environment Department
1190 St. Francis Drive
P.O. Box 26110
Santa Fe, New Mexico 87502-6110

SUBJECT: 2010 ANNUAL GROUNDWATER DISCHARGE PERMIT DP-857 REPORT FOR THE TA-46 SANITARY WASTEWATER SYSTEMS (SWWS) PLANT

Dear Mr. Olson:

This report and enclosures are Los Alamos National Laboratory's 2010 Annual Groundwater Discharge Permit DP-857 Report for the TA-46 Sanitary Wastewater Systems (SWWS) Plant. In addition to satisfying the annual reporting requirements, this report also contains the required quarterly monitoring data for the 4th quarter (October, November, and December) of 2010.

Please call me at (505) 667-7969 if you have questions regarding this report.

Sincerely,

Robert Beers
Water Quality & RCRA Group

BB/lm

Enclosures: a/s

Cy: Marcy Leavitt, NMED/SWQB, Santa Fe, New Mexico, w/enc.
James Bearzi, NMED/HWB, Santa Fe, New Mexico, w/enc.

Cy (continued):
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Gene Turner, LASO/EO, w/enc., A316
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GROUNDWATER DISCHARGE PERMIT DP-857 ANNUAL REPORT 2010

for the

TA-46 SANITARY WASTEWATER SYSTEMS (SWWS) PLANT

Los Alamos
National Laboratory

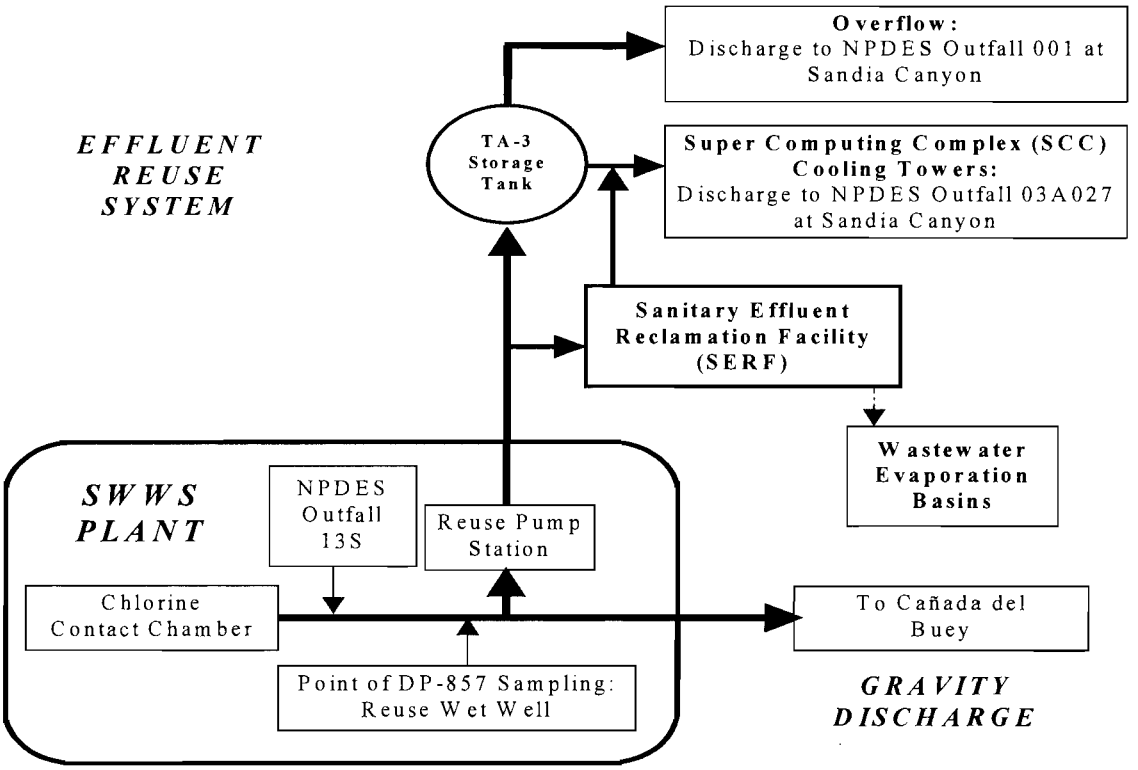
LA-UR-11-00411

January 28, 2011

INTRODUCTION

Sanitary wastewater generated at Los Alamos National Laboratory (the Laboratory) is treated at the TA-46 Sanitary Wastewater Systems (SWWS) Plant. The SWWS Plant is an extended-aeration, activated sludge sanitary wastewater treatment plant with a design capacity of 0.6 million gallons per day. As shown in **Figure 1.0**, treated effluent from the SWWS Plant may be discharged through National Pollutant Discharge Elimination System (NPDES) Outfall 13S by gravity to Cañada del Buey or pumped via a force main to a reuse system at Technical Area (TA)-3. Since the SWWS Plant became operational in 1992, all treated effluent has been pumped via the force main for discharge to Sandia Canyon; no effluent has ever been discharged to Cañada del Buey. In 2010, all of the treated effluent generated by the SWWS Plant (approximately 107.5 million gallons) was pumped to TA-3 and discharged to Sandia Canyon through NPDES Outfall 001. No treated effluent was used by the Super Computing Complex (SCC) cooling towers during 2010 because the Sanitary Effluent Reclamation Facility (SERF) was out-of-service for all of 2010.

Figure 1. Effluent Reuse System Schematic



DISCHARGE PERMIT DP-857 RENEWAL

In accordance with New Mexico Water Quality Control Commission (NMWQCC) Regulation 3106.F, on August 27, 2002, the Laboratory submitted an application to the New Mexico Environment Department (NMED) for renewal of Groundwater Discharge Permit DP-857. The Laboratory's renewal application was submitted at least 120 days before the expiration date of January 7, 2003, as required by regulation. As of December 31, 2010, permit renewal was still pending.

On April 6, 2010, the NMED submitted a written request to the Laboratory for a comprehensive and up-to-date application for renewal and modification of Groundwater Discharge Permit DP-857. In accordance with the NMED's request, on June 30, 2010, the Laboratory submitted an application for renewal and modification. On August 11, 2010, the NMED deemed the Laboratory's application administratively complete. As required by regulation (20.6.2.3108 NMAC), the Laboratory implemented public notice through the posting of signs at the facility, the mailing of flyers to adjacent property owners, the posting of an off-site flyer, and the placement of a display ad in the Los Alamos Monitor. Public notice was completed by the Laboratory on December 6, 2010.

DISCHARGE PERMIT DP-857 INSPECTION

On September 9, 2010, staff from the NMED Ground Water Quality Bureau conducted an all-day inspection of the TA-46 SWWS Plant, TA-3 SERF, TA-60 SERF evaporation basins, and NPDES permitted outfalls in Sandia Canyon. A written inspection report was submitted by the NMED to the Laboratory on December 3, 2010. The inspection was conducted in conjunction with the Laboratory's application for renewal and modification of Groundwater Discharge Permit DP-857.

SWWS PLANT UPGRADES

During 2010, the following upgrades were made to the TA-46 SWWS Plant and collection system:

1. The SWWS Plant's MIOX™ disinfection system was upgraded in 2010 from the existing SAL 80 model units to the newer HYPO™-20 hypochlorite generators. The newer units increased the mixed oxidant concentration from approximately 2,000 mg/L to approximately 8,000 mg/L, providing improved disinfection while using less salt.

2. A new mixer with variable frequency drive (VFD) was added to the northwest aeration (NW) basin; constant mixing of the aeration basin keeps the mixed liquor in suspension, prevents settling when the air blowers are turned off, and keeps the micro-organisms in constant contact with a food source.

3. New analytical instrumentation was installed on the NW aeration basin to bring it up to the standard as the other three basins. This upgrade affords the SWWS Plant's operators the additional flexibility to run in parallel or to temporally change the configuration to allow for removing the southwest aeration basin offline for cleaning and maintenance.

4. A new lift-station was installed at TA-15.

5. Beginning in July 2010, the TA-46 SWWS Plant initiated a pilot study to investigate the systematic increase in biological oxygen demand (BOD), up to the plant's design specifications, via the addition of crude glycerol (glycerine). The SWWS Plant is typically operated at a BOD lower than its design criteria. Preliminary assessments from the pilot study indicate that the increased BOD is producing a more robust micro-organism population and therein improving plant operations.

SERF and SERF EVAPORATION BASINS

The SERF did not operate in 2010. No anthropogenic water was discharged to the SERF evaporation basins in 2010.

EFFLUENT IRRIGATION AT THE SWWS PLANT

During the months of April through October 2010, effluent from the SWWS Plant was re-used to irrigate approximately 1/3 acre of turf grass on the plant's grounds. The irrigated grass is within the confines of the SWWS Plant's perimeter security fence and access is restricted to Laboratory employees/contractors on official business and visitors being escorted by SWWS Plant personnel.

4TH QTR 2010 MONITORING: REUSE WATER, NPDES OUTFALLS 001 & 03A027, CDBO-6

Table 1.0 presents the analytical results from monitoring conducted at the SWWS Plant's reuse wet well, NPDES Outfalls 001 and 03A027, and Cañada del Buey alluvial monitoring well CDBO-6 during the 4th quarter of 2010. All sample results in Table 1.0 are less than NMWQCC Regulation 3103 standards for groundwater. Copies of the analytical reports are provided in the enclosed CD.

Table 2.0 presents the water level in CDBO-6 for the 4th quarter of 2010.

Table 3.0 presents the volume of water discharged from the following locations during the 4th quarter of 2010:

- SWWS Plant effluent (reuse water) pumped to TA-3 via the force main,
- Effluent discharge through NPDES Outfall 001,
- Reuse water used by the SCC cooling towers, and
- Effluent discharged through NPDES Outfall 03A027.

Table 4.0 presents the results from monthly monitoring of the SERF evaporation basins' leak inspection standpipes. **Enclosure 1.0** presents photographs taken during October, November, and December, 2010, of the four leak inspection standpipes. No water was present in any of the basin's four leak inspection standpipes with the exception of minimal amounts of condensate water.

2010 Annual Water Quality Monitoring: SWWS Plant Reuse Wet Well

Tables 5.0 through **9.0** present the analytical results from annual monitoring of the SWWS Plant's reuse water (sampling point: SWWS Plant reuse wet well). Copies of the analytical reports are provided in the enclosed CD.

Table 5.0 presents the analytical results from annual monitoring of the SWWS Plant's reuse water for general inorganics and metals. All sample results were less than NMWQCC Regulation 3103 standards for groundwater.

Table 6.0 presents the analytical results from annual monitoring of the SWWS Plant's reuse water for PCBs. All sample results were nondetect.

Table 7.0 presents the analytical results from annual monitoring of the SWWS Plant's reuse water for radiological constituents. All sample results were nondetect.

Table 8.0 presents all results from the annual monitoring of the SWWS Plant's effluent for volatile organic compounds (VOCs). All sample results were nondetect.

Table 9.0 presents all results from the annual monitoring of the SWWS Plant's effluent for semi-volatile organic compounds (SVOCs). All sample results were nondetect.

2010 Annual Water Quality Monitoring: Monitoring Well CDBO-6

Tables 10.0 through **13.0** present the analytical results from annual monitoring of the alluvial groundwater monitoring well CDBO-6 in Cañada del Buey. Copies of the analytical reports are provided in the enclosed CD.

Table 10.0 presents the analytical results from annual monitoring of CDBO-6 for general inorganics and metals. All sample results were less than NMWQCC Regulation 3103 standards for groundwater.

Table 11.0 presents the analytical results from annual monitoring of CDBO-6 for volatile organic compounds (VOCs). All results were nondetect.

Table 12.0 presents the analytical results from the annual monitoring of CDBO-6 for semi-volatile organic compounds (SVOCs). No SVOCs were detected with the exception of benzoic acid (CAS# 65-85-0) at a concentration of 15.8 μg/L. The sample result was qualified by the analytical laboratory with a "J" flag to indicate that the result was greater than the Method Detection Limit but less than the Reporting Limit. This is the first detection of benzoic acid at CDBO-6 in 20 previous samples collected between 1997 and 2010. There is no NMWQCC groundwater standard or federal maximum contaminant level (MCL) for benzoic acid in drinking water. The Environmental Protection Agency (EPA) regional screening level for benzoic acid in tapwater is 150,000 μg/L (noncancer).

Table 13.0 presents the analytical results from annual monitoring of CDBO-6 for radiological constituents. All sample results were nondetect with the exception of radium-226; radium-226 was detected in the sample at 1.98 pCi/L. The NMWQCC Regulation 3103 standard for radium-226 and radium-228 (combined) in groundwater is 30 pCi/L.

Table 1.0 Water Quality Data: SWWS Plant Reuse Water, NPDES Outfalls 001 and 03A027, and CDBO-6. 4th Quarter, 2010.

Sampling Location	Field Prep[2]	Sample Date	Sample ID No.	TDS (mg/L)	Chloride (mg/L)	NO3+NO2-N (mg/L)	TKN (mg/L)	NH3-N (mg/L)
SWWS Plant								
SWWS Plant Reuse Wet Well[1]	UF	11/10/2010	SWWS46-11-2074	503	124	0.79	0.86J+	0.06J-
Sandia Canyon								
NPDES Outfall 001	UF	11/10/2010	SWWS46-11-2073	502	104	0.73	0.72J+	0.09J-
NPDES Outfall 03A027	UF	11/10/2010	SWWS46-11-2072	490	17.5	1.3	0.94J+	0.06J-
Canada del Buey								
CDBO-6	F	10/15/2010	CAPA-10-27424	174	25.4J+	<0.25		0.02J
CDBO-6	UF	10/15/2010	CAPA-10-27425				<0.10	
NMWQCC Regulation 3103 Ground Water Standards (mg/L)				*1000*	*250*	*10*[3]	*NA*	*NA*

Notes:

[1]Water in the reuse wet well is representative of water in the reuse pond.

[2]UF means a non-filtered sample, F means a filtered sample.

[3]The NMWQCC Regulation 3103 Ground Water Standard is for NO_3-N.

[4]Dry means that there was insufficient water in the well for sampling.

J means the reported result was greater than the Method Detection Limit but less than the Reporting Limit.

J- means that the reported value is expected to be more uncertain than usual with a potential negative bias.

J+ means that the reported value is expected to be more uncertain than usual with a potential positive bias.

NA means that there is no NM WQCC Regulation 3103 ground water standard for this analyte.

Table 2.0. Water Level in Cañada del Buey Observation Well (CDBO)-6, 4th Quarter 2010

Location	Date	Water Level† (ft)
CDBO-6	10/15/2010	35.23

Notes:
† Measured in feet from the top of the well casing to the surface of the water.

Table 3.0. Discharge Volumes from the SWWS Plant and NPDES Outfall 001, and SWWS Plant Reuse Water to SCC Cooling Towers, 4th Quarter 2010 (in millions of gallons).

Month	SWWS Plant Effluent to TA-3[1]	Discharges to NPDES Outfall 001[2]	Reuse Water to SCC Cooling Towers[3] (estimated)	Discharges to NPDES Outfall 03A027[4]
Oct-2010	15.008	9.073	0	3.253
Nov-2010	8.577	9.411	0	1.307
Dec-2010	6.344	8.687	0	1.243

Notes:
[1]In the 4th quarter of 2010, all SWWS Plant effluent was pumped via a force main to TA-3 for reuse or discharge.
[2]Power plant wastewater and all SWWS Plant reuse water not used by the SCC Cooling Towers are discharged at NPDES Outfall 001.
[3]The SCC cooling towers can use potable or SWWS Plant reuse water. Table 3.0 contains the estimated volume of SWWS Plant reuse water that the SCC cooling towers used during the 4th quarter of 2010.
[4]The SCC cooling towers discharge to NPDES Outfall 03A027 at Sandia Canyon.
NA means that no flow volumes were available at the time this report was prepared.

Table 4.0. Inspection Results, SERF Evaporation Basins, Leak Collection Standpipes.

Inspection Date	Inspection Results
10/14/2010	All standpipes are dry or contain minimal amounts of water
11/16/2010	All standpipes are dry or contain minimal amounts of water
12/14/2010	All standpipes are dry or contain minimal amounts of water

Table 5.0. SWWS Plant Reuse Water, General Inorganics and Metals.

Location Name	Start Date	Analyte	Anyl Meth Code	Fld Prep Code		Std Result	Units	Std Mdl	Lab Qual Code	Concat Flag Code	Lab Code	Request Num
SWS Facility Reuse Well	11/10/2010	CN(TOTAL)	EPA:335.4	F	<	0.005	mg/L	0.0017	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Cl(-1)	EPA:300.0	UF		124	mg/L	0.66			GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	ClO4	SW-846:6850	UF	<	0.2	ug/L	0.05	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	F(-1)	EPA:300.0	UF		0.32	mg/L	0.033			GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	NH3-N	EPA:350.1	UF		0.063	mg/L	0.016		J-	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	NO3+NO2-N	EPA:353.2	UF		0.79	mg/L	0.05			GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	SO4(-2)	EPA:300.0	UF		16.1	mg/L	0.1			GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	TDS	EPA:160.1	UF		503	mg/L	2.4			GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	TKN	EPA:351.2	UF		0.858	mg/L	0.033		J+	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	pH	EPA:150.1	UF		7.87	SU	0.01	H	J-	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	Ag	SW-846:6020	F	<	1	ug/L	0.2	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Al	SW-846:6010B	F	<	200	ug/L	68	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	As	SW-846:6020	F		2.42	ug/L	1.5	J	J	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	B	SW-846:6010B	F		92.6	ug/L	15			GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Ba	SW-846:6010B	F		57.7	ug/L	1			GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Be	SW-846:6010B	F	<	5	ug/L	1	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Cd	SW-846:6020	F	<	1	ug/L	0.11	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Co	SW-846:6010B	F	<	5	ug/L	1	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Cr	SW-846:6020	F		4.75	ug/L	2.5	J	J	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Cu	SW-846:6010B	F	<	10	ug/L	3	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Fe	SW-846:6010B	F	<	99.6	ug/L	30	J	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Hg	EPA:245.2	F	<	0.2	ug/L	0.066	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Hg	EPA:245.2	UF	<	0.2	ug/L	0.066	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	Mn	SW-846:6010B	F		23.3	ug/L	2			GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Mo	SW-846:6020	F		4.61	ug/L	0.1		J	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Ni	SW-846:6020	F		1.4	ug/L	0.5	J	J	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Pb	SW-846:6020	F	<	2	ug/L	0.5	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Sb	SW-846:6020	F	<	3	ug/L	0.5	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Se	SW-846:6020	F	<	5	ug/L	1	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Sn	SW-846:6010B	F	<	10	ug/L	2.5	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Tl	SW-846:6020	F	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	U	SW-846:6020	F		0.551	ug/L	0.05			GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	V	SW-846:6010B	F		12.7	ug/L	1			GELC	SWWS46-11-2075
SWS Facility Reuse Well	11/10/2010	Zn	SW-846:6010B	F		57.8	ug/L	3.3			GELC	SWWS46-11-2075

Table 6.0. SWWS Plant Reuse Water, PCBs.

Location Name	Start Date	Analyte	Analyte Desc	Anyl Meth Code	Fld Prep Code		Std Result	Units	Std Mdl	Lab Qual Code	Concat Flag Code	Lab Code	Request Num
SWS Facility Reuse Well	11/10/2010	11096-82-5	Aroclor-1260	SW-846:8082	UF	<	0.101	ug/L	0.034	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	11097-69-1	Aroclor-1254	SW-846:8082	UF	<	0.101	ug/L	0.034	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	11104-28-2	Aroclor-1221	SW-846:8082	UF	<	0.101	ug/L	0.034	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	11141-16-5	Aroclor-1232	SW-846:8082	UF	<	0.101	ug/L	0.034	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	12672-29-6	Aroclor-1248	SW-846:8082	UF	<	0.101	ug/L	0.034	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	12674-11-2	Aroclor-1016	SW-846:8082	UF	<	0.101	ug/L	0.034	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	37324-23-5	Aroclor-1262	SW-846:8082	UF	<	0.101	ug/L	0.034	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	53469-21-9	Aroclor-1242	SW-846:8082	UF	<	0.101	ug/L	0.034	U	U	GELC	SWWS46-11-2074

Table 7.0. SWWS Plant Reuse Water, Radiologicals.

Location Name	Start Date	Analyte	Analyte Desc	Anyl Meth Code	Fld Prep Code		Std Result	Units	Std Uncert	Std Mda	Lab Qual Code	Concat Flag Code	Request Num
SWS Facility Reuse Well	11/10/2010	GROSSA	Gross alpha	EPA:900	UF	<	0.046	pCi/L	0.59	2.8	U	U	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	Ra-226	Radium-226	EPA:903.1	UF	<	0.094	pCi/L	0.09	0.30	U	U	SWWS46-11-2074
SWS Facility Reuse Well	11/10/2010	Ra-228	Radium-228	EPA:904	UF	<	0.097	pCi/L	0.20	0.71	U	U	SWWS46-11-2074

Table 8.0. SWWS Plant Reuse Water, Volatile Organic Compounds (VOCs).

Location Name	Start Date	Analyte	Analyte Desc	Anyl Meth Code		Std Result	Units	Std Mdl	Qual Code	Concat Flag Code	Lab Code	Request Num
SWS Facility Reuse Well	11/10/10	67-64-1	Acetone	SW-846:8260B	<	10	ug/L	3.5	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	75-05-8	Acetonitrile	SW-846:8260B	<	25	ug/L	6.3	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	107-02-8	Acrolein	SW-846:8260B	<	5	ug/L	1.3	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	107-13-1	Acrylonitrile	SW-846:8260B	<	5	ug/L	1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	71-43-2	Benzene	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	108-86-1	Bromobenzene	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	74-97-5	Bromochloromethane	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	75-27-4	Bromodichloromethane	SW-846:8260B	<	28	ug/L	0.25		U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	75-25-2	Bromoform	SW-846:8260B	<	1.08	ug/L	0.25		U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	74-83-9	Bromomethane	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	71-36-3	Butanol[1-]	SW-846:8260B	<	50	ug/L	15	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	78-93-3	Butanone[2-]	SW-846:8260B	<	5	ug/L	1.3	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	104-51-8	Butylbenzene[n-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	135-98-8	Butylbenzene[sec-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	98-06-6	Butylbenzene[tert-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	75-15-0	Carbon Disulfide	SW-846:8260B	<	5	ug/L	1.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	56-23-5	Carbon Tetrachloride	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	126-99-8	Chloro-1,3-butadiene[2-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	107-05-1	Chloro-1-propene[3-]	SW-846:8260B	<	5	ug/L	1.5	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	108-90-7	Chlorobenzene	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	124-48-1	Chlorodibromomethane	SW-846:8260B	<	13.3	ug/L	0.3		U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	75-00-3	Chloroethane	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	67-66-3	Chloroform	SW-846:8260B	<	32.5	ug/L	0.25		U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	74-87-3	Chloromethane	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	95-49-8	Chlorotoluene[2-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	106-43-4	Chlorotoluene[4-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	96-12-8	Dibromo-3-Chloropropane[1,2-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	106-93-4	Dibromoethane[1,2-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	74-95-3	Dibromomethane	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	95-50-1	Dichlorobenzene[1,2-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	541-73-1	Dichlorobenzene[1,3-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	106-46-7	Dichlorobenzene[1,4-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	75-71-8	Dichlorodifluoromethane	SW-846:8260B	<	1	ug/L	0.3	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	75-34-3	Dichloroethane[1,1-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	107-06-2	Dichloroethane[1,2-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	75-35-4	Dichloroethene[1,1-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	156-59-2	Dichloroethene[cis-1,2-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	156-60-5	Dichloroethene[trans-1,2-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	78-87-5	Dichloropropane[1,2-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	142-28-9	Dichloropropane[1,3-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074

Table 8.0. SWWS Plant Reuse Water, Volatile Organic Compounds (VOCs).

Location Name	Start Date	Analyte	Analyte Desc	Anyl Meth Code		Std Result	Units	Std Mdl	Lab Qual Code	Concat Flag Code	Lab Code	Request Num
SWS Facility Reuse Well	11/10/10	594-20-7	Dichloropropane[2,2-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	563-58-6	Dichloropropene[1,1-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	10061-01-5	Dichloropropene[cis-1,3-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	10061-02-6	Dichloropropene[trans-1,3-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	60-29-7	Diethyl Ether	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	97-63-2	Ethyl Methacrylate	SW-846:8260B	<	5	ug/L	1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	100-41-4	Ethylbenzene	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	87-68-3	Hexachlorobutadiene	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	591-78-6	Hexanone[2-]	SW-846:8260B	<	5	ug/L	1.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	74-88-4	Iodomethane	SW-846:8260B	<	5	ug/L	1.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	78-83-1	Isobutyl alcohol	SW-846:8260B	<	50	ug/L	13	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	98-82-8	Isopropylbenzene	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	99-87-6	Isopropyltoluene[4-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	126-98-7	Methacrylonitrile	SW-846:8260B	<	5	ug/L	1	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	80-62-6	Methyl Methacrylate	SW-846:8260B	<	5	ug/L	1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	1634-04-4	Methyl tert-Butyl Ether	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	108-10-1	Methyl-2-pentanone[4-]	SW-846:8260B	<	5	ug/L	1.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	75-09-2	Methylene Chloride	SW-846:8260B	<	10	ug/L	3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	91-20-3	Naphthalene	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	107-12-0	Propionitrile	SW-846:8260B	<	5	ug/L	1.5	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	103-65-1	Propylbenzene[1-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	100-42-5	Styrene	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	630-20-6	Tetrachloroethane[1,1,1,2-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	79-34-5	Tetrachloroethane[1,1,2,2-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	127-18-4	Tetrachloroethene	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	108-88-3	Toluene	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	SW-846:8260B	<	5	ug/L	1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	87-61-6	Trichlorobenzene[1,2,3-]	SW-846:8260B	<	1	ug/L	0.33	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	120-82-1	Trichlorobenzene[1,2,4-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	71-55-6	Trichloroethane[1,1,1-]	SW-846:8260B	<	1	ug/L	0.33	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	79-00-5	Trichloroethane[1,1,2-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	79-01-6	Trichloroethene	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	75-69-4	Trichlorofluoromethane	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	96-18-4	Trichloropropane[1,2,3-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	95-63-6	Trimethylbenzene[1,2,4-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	108-67-8	Trimethylbenzene[1,3,5-]	SW-846:8260B	<	1	ug/L	0.25	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	75-01-4	Vinyl Chloride	SW-846:8260B	<	1	ug/L	0.5	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	108-05-4	Vinyl acetate	SW-846:8260B	<	5	ug/L	1.5	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	95-47-6	Xylene[1,2-]	SW-846:8260B	<	1	ug/L	0.3	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	Xylene[1,3 and 1,4]	Xylene[1,3-]+Xylene[1,4-]	SW-846:8260B	<	2	ug/L	0.5	U	U	GELC	SWWS46-11-2074

Table 9.0. SWWS Plant Reuse Water, Semi-volatile Organic Compounds (SVOCs).

Location Name	Start Date	Analyte	Analyte Desc	Anyl Meth Code		Std Result	Units	Std Mdl	Lab Qual Code	Concat Flag Code	Lab Code	Request Num
SWS Facility Reuse Well	11/10/10	83-32-9	Acenaphthene	SW-846:8270C	<	1.02	ug/L	0.32	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	208-96-8	Acenaphthylene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	62-53-3	Aniline	SW-846:8270C	<	10.2	ug/L	2.6	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	120-12-7	Anthracene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	1912-24-9	Atrazine	SW-846:8270C	<	10.2	ug/L	3.1	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	103-33-3	Azobenzene	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	92-87-5	Benzidine	SW-846:8270C	<	10.2	ug/L	3.1	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	56-55-3	Benzo(a)anthracene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	50-32-8	Benzo(a)pyrene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	205-99-2	Benzo(b)fluoranthene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	191-24-2	Benzo(g,h,i)perylene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	207-08-9	Benzo(k)fluoranthene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	65-85-0	Benzoic Acid	SW-846:8270C	<	20.4	ug/L	6.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	100-51-6	Benzyl Alcohol	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	111-91-1	Bis(2-chloroethoxy)methane	SW-846:8270C	<	10.2	ug/L	3.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	111-44-4	Bis(2-chloroethyl)ether	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	117-81-7	Bis(2-ethylhexyl)phthalate	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	101-55-3	Bromophenyl-phenylether[4-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	85-68-7	Butylbenzylphthalate	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	59-50-7	Chloro-3-methylphenol[4-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	106-47-8	Chloroaniline[4-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	91-58-7	Chloronaphthalene[2-]	SW-846:8270C	<	1.02	ug/L	0.31	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	95-57-8	Chlorophenol[2-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	7005-72-3	Chlorophenyl-phenyl[4-] Ether	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	218-01-9	Chrysene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	84-74-2	Di-n-butylphthalate	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	117-84-0	Di-n-octylphthalate	SW-846:8270C	<	10.2	ug/L	3.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	53-70-3	Dibenz(a,h)anthracene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	132-64-9	Dibenzofuran	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	95-50-1	Dichlorobenzene[1,2-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	541-73-1	Dichlorobenzene[1,3-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	106-46-7	Dichlorobenzene[1,4-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	91-94-1	Dichlorobenzidine[3,3'-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	120-83-2	Dichlorophenol[2,4-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	84-66-2	Diethylphthalate	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	131-11-3	Dimethyl Phthalate	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	105-67-9	Dimethylphenol[2,4-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	534-52-1	Dinitro-2-methylphenol[4,6-]	SW-846:8270C	<	10.2	ug/L	3.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	51-28-5	Dinitrophenol[2,4-]	SW-846:8270C	<	20.4	ug/L	5.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	121-14-2	Dinitrotoluene[2,4-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074

Table 9.0. SWWS Plant Reuse Water, Semi-volatile Organic Compounds (SVOCs).

Location Name	Start Date	Analyte	Analyte Desc	Anyl Meth Code		Std Result	Units	Std Mdl	Lab Qual Code	Concat Flag Code	Lab Code	Request Num
SWS Facility Reuse Well	11/10/10	606-20-2	Dinitrotoluene[2,6-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	88-85-7	Dinoseb	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	123-91-1	Dioxane[1,4-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	122-39-4	Diphenylamine	SW-846:8270C	<	10.2	ug/L	3.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	206-44-0	Fluoranthene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	86-73-7	Fluorene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	118-74-1	Hexachlorobenzene	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	87-68-3	Hexachlorobutadiene	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	77-47-4	Hexachlorocyclopentadiene	SW-846:8270C	<	10.2	ug/L	3.1	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	67-72-1	Hexachloroethane	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	193-39-5	Indeno(1,2,3-cd)pyrene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	78-59-1	Isophorone	SW-846:8270C	<	10.2	ug/L	3.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	90-12-0	Methylnaphthalene[1-]	SW-846:8270C	<	1.02	ug/L	0.31	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	91-57-6	Methylnaphthalene[2-]	SW-846:8270C	<	1.02	ug/L	0.31	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	95-48-7	Methylphenol[2-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	106-44-5	Methylphenol[4-]	SW-846:8270C	<	10.2	ug/L	3.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	91-20-3	Naphthalene	SW-846:8270C	<	1.02	ug/L	0.31	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	88-74-4	Nitroaniline[2-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	99-09-2	Nitroaniline[3-]	SW-846:8270C	<	10.2	ug/L	2	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	100-01-6	Nitroaniline[4-]	SW-846:8270C	<	10.2	ug/L	3.1	U	UJ	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	98-95-3	Nitrobenzene	SW-846:8270C	<	10.2	ug/L	3.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	88-75-5	Nitrophenol[2-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	100-02-7	Nitrophenol[4-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	924-16-3	Nitroso-di-n-butylamine[N-]	SW-846:8270C	<	10.2	ug/L	3.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	621-64-7	Nitroso-di-n-propylamine[N-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	55-18-5	Nitrosodiethylamine[N-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	62-75-9	Nitrosodimethylamine[N-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	930-55-2	Nitrosopyrrolidine[N-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	108-60-1	Oxybis(1-chloropropane)[2,2'-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	608-93-5	Pentachlorobenzene	SW-846:8270C	<	10.2	ug/L	3.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	87-86-5	Pentachlorophenol	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	85-01-8	Phenanthrene	SW-846:8270C	<	1.02	ug/L	0.2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	108-95-2	Phenol	SW-846:8270C	<	10.2	ug/L	1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	129-00-0	Pyrene	SW-846:8270C	<	1.02	ug/L	0.31	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	110-86-1	Pyridine	SW-846:8270C	<	10.2	ug/L	3.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	95-94-3	Tetrachlorobenzene[1,2,4,5]	SW-846:8270C	<	10.2	ug/L	3.1	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	58-90-2	Tetrachlorophenol[2,3,4,6-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	120-82-1	Trichlorobenzene[1,2,4-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	95-95-4	Trichlorophenol[2,4,5-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074
SWS Facility Reuse Well	11/10/10	88-06-2	Trichlorophenol[2,4,6-]	SW-846:8270C	<	10.2	ug/L	2	U	U	GELC	SWWS46-11-2074

Table 10.0. CDBO-6 Alluvial Monitorign Well, General Inorganics and Metals.

Location Name	Start Date	Analyte	Anyl Meth Code	Fld Prep Code		Std Result	Units	Std Mdl	Lab Qual Code	Concat Flag Code	Lab Code	Request Num
CDBO-6	8/2/2010	CN(TOTAL)	EPA:335.4	UF	<	0.005	mg/L	0.0017	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/2010	Cl(-1)	EPA:300.0	F		25	mg/L	0.13		J+	GELC	CAPA-10-24063
CDBO-6	8/2/2010	ClO4	SW-846:6850	F		0.286	ug/L	0.05			GELC	CAPA-10-24063
CDBO-6	8/2/2010	F(-1)	EPA:300.0	F		0.183	mg/L	0.033			GELC	CAPA-10-24063
CDBO-6	8/2/2010	NH3-N	EPA:350.1	F	<	0.05	mg/L	0.016	U	UJ	GELC	CAPA-10-24063
CDBO-6	8/2/2010	NO3+NO2-N	EPA:353.2	F	<	0.065	mg/L	0.05	J	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	SO4(-2)	EPA:300.0	F		8.77	mg/L	0.1			GELC	CAPA-10-24063
CDBO-6	8/2/2010	TDS	EPA:160.1	F		174	mg/L	2.4			GELC	CAPA-10-24063
CDBO-6	8/2/2010	TKN	EPA:351.2	UF	<	0.033	mg/L	0.033	J	U	GELC	CAPA-10-24065
CDBO-6	8/2/2010	pH	EPA:150.1	F		6.93	SU	0.01	H	J-	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Ag	SW-846:6020	F	<	1	ug/L	0.2	U	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Al	SW-846:6010B	F		103	ug/L	68	J	J	GELC	CAPA-10-24063
CDBO-6	8/2/2010	As	SW-846:6020	F	<	4.65	ug/L	1.5	J	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	B	SW-846:6010B	F		33.2	ug/L	15	J	J	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Ba	SW-846:6010B	F		95.1	ug/L	1			GELC	CAPA-10-24063
CDBO-6	8/2/2010	Be	SW-846:6010B	F	<	5	ug/L	1	U	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Cd	SW-846:6020	F	<	1	ug/L	0.11	U	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Co	SW-846:6010B	F	<	5	ug/L	1	U	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Cr	SW-846:6020	F		3.5	ug/L	2.5	J	J	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Cu	SW-846:6010B	F	<	10	ug/L	3	U	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Fe	SW-846:6010B	F		48.2	ug/L	30	J	J	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Hg	EPA:245.2	F	<	0.2	ug/L	0.066	U	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Hg	EPA:245.2	UF	<	0.2	ug/L	0.066	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/2010	Mn	SW-846:6010B	F	<	10	ug/L	2	U	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Mo	SW-846:6020	F	<	0.676	ug/L	0.1		U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Ni	SW-846:6020	F		1.02	ug/L	0.5	J	J	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Pb	SW-846:6020	F	<	2	ug/L	0.5	U	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Sb	SW-846:6020	F	<	3	ug/L	0.5	U	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Se	SW-846:6020	F	<	1.56	ug/L	1	J	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Sn	SW-846:6010B	F	<	10	ug/L	2.5	U	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Tl	SW-846:6020	F	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	U	SW-846:6020	F	<	0.053	ug/L	0.05	J	U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	V	SW-846:6010B	F	<	6.12	ug/L	1		U	GELC	CAPA-10-24063
CDBO-6	8/2/2010	Zn	SW-846:6010B	F	<	10	ug/L	3.3	U	U	GELC	CAPA-10-24063

Table 11.0. CDBO-6 Alluvial Monitoring Well, Volatile Organic Compounds (VOCs).

Location Name	Start Date	Analyte	Analyte Desc	Anyl Meth Code	Fld Prep Code		Std Result	Units	Std Mdl	Lab Qual Code	Concat Flag Code	Lab Code	Request Num
CDBO-6	8/2/10	67-64-1	Acetone	SW-846:8260B	UF	<	10	ug/L	3.5	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	75-05-8	Acetonitrile	SW-846:8260B	UF	<	25	ug/L	6.3	U	R	GELC	CAPA-10-24065
CDBO-6	8/2/10	107-02-8	Acrolein	SW-846:8260B	UF	<	5	ug/L	1.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	107-13-1	Acrylonitrile	SW-846:8260B	UF	<	5	ug/L	1	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	71-43-2	Benzene	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	108-86-1	Bromobenzene	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	74-97-5	Bromochloromethane	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	75-27-4	Bromodichloromethane	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	75-25-2	Bromoform	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	74-83-9	Bromomethane	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	71-36-3	Butanol[1-]	SW-846:8260B	UF	<	50	ug/L	15	U	R	GELC	CAPA-10-24065
CDBO-6	8/2/10	78-93-3	Butanone[2-]	SW-846:8260B	UF	<	5	ug/L	1.3	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	104-51-8	Butylbenzene[n-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	135-98-8	Butylbenzene[sec-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	98-06-6	Butylbenzene[tert-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	75-15-0	Carbon Disulfide	SW-846:8260B	UF	<	5	ug/L	1.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	56-23-5	Carbon Tetrachloride	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	126-99-8	Chloro-1,3-butadiene[2-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	107-05-1	Chloro-1-propene[3-]	SW-846:8260B	UF	<	5	ug/L	1.5	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	108-90-7	Chlorobenzene	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	124-48-1	Chlorodibromomethane	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	75-00-3	Chloroethane	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	67-66-3	Chloroform	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	74-87-3	Chloromethane	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	95-49-8	Chlorotoluene[2-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	106-43-4	Chlorotoluene[4-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	96-12-8	Dibromo-3-Chloropropane[1,2-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	106-93-4	Dibromoethane[1,2-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	74-95-3	Dibromomethane	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	95-50-1	Dichlorobenzene[1,2-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	541-73-1	Dichlorobenzene[1,3-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	106-46-7	Dichlorobenzene[1,4-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	75-71-8	Dichlorodifluoromethane	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	75-34-3	Dichloroethane[1,1-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	107-06-2	Dichloroethane[1,2-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	75-35-4	Dichloroethene[1,1-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	156-59-2	Dichloroethene[cis-1,2-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	156-60-5	Dichloroethene[trans-1,2-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	78-87-5	Dichloropropane[1,2-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	142-28-9	Dichloropropane[1,3-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065

Table 11.0. CDBO-6 Alluvial Monitoring Well, Volatile Organic Compounds (VOCs).

Location Name	Start Date	Analyte	Analyte Desc	Anyl Meth Code	Fld Prep Code		Std Result	Units	Std Mdl	Lab Qual Code	Concat Flag Code	Lab Code	Request Num
CDBO-6	8/2/10	594-20-7	Dichloropropane[2,2-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	563-58-6	Dichloropropene[1,1-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	10061-01-5	Dichloropropene[cis-1,3-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	10061-02-6	Dichloropropene[trans-1,3-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	60-29-7	Diethyl Ether	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	97-63-2	Ethyl Methacrylate	SW-846:8260B	UF	<	5	ug/L	1	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	100-41-4	Ethylbenzene	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	87-68-3	Hexachlorobutadiene	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	591-78-6	Hexanone[2-]	SW-846:8260B	UF	<	5	ug/L	1.3	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	74-88-4	Iodomethane	SW-846:8260B	UF	<	5	ug/L	1.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	78-83-1	Isobutyl alcohol	SW-846:8260B	UF	<	50	ug/L	13	U	R	GELC	CAPA-10-24065
CDBO-6	8/2/10	98-82-8	Isopropylbenzene	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	99-87-6	Isopropyltoluene[4-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	126-98-7	Methacrylonitrile	SW-846:8260B	UF	<	5	ug/L	1	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	80-62-6	Methyl Methacrylate	SW-846:8260B	UF	<	5	ug/L	1	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	1634-04-4	Methyl tert-Butyl Ether	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	108-10-1	Methyl-2-pentanone[4-]	SW-846:8260B	UF	<	5	ug/L	1.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	75-09-2	Methylene Chloride	SW-846:8260B	UF	<	10	ug/L	3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	91-20-3	Naphthalene	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	107-12-0	Propionitrile	SW-846:8260B	UF	<	5	ug/L	1.5	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	103-65-1	Propylbenzene[1-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	100-42-5	Styrene	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	630-20-6	Tetrachloroethane[1,1,1,2-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	79-34-5	Tetrachloroethane[1,1,2,2-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	127-18-4	Tetrachloroethene	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	108-88-3	Toluene	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	SW-846:8260B	UF	<	5	ug/L	1	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	87-61-6	Trichlorobenzene[1,2,3-]	SW-846:8260B	UF	<	1	ug/L	0.33	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	120-82-1	Trichlorobenzene[1,2,4-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	71-55-6	Trichloroethane[1,1,1-]	SW-846:8260B	UF	<	1	ug/L	0.33	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	79-00-5	Trichloroethane[1,1,2-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	79-01-6	Trichloroethene	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	75-69-4	Trichlorofluoromethane	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	96-18-4	Trichloropropane[1,2,3-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	95-63-6	Trimethylbenzene[1,2,4-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	108-67-8	Trimethylbenzene[1,3,5-]	SW-846:8260B	UF	<	1	ug/L	0.25	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	75-01-4	Vinyl Chloride	SW-846:8260B	UF	<	1	ug/L	0.5	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	108-05-4	Vinyl acetate	SW-846:8260B	UF	<	5	ug/L	1.5	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	95-47-6	Xylene[1,2-]	SW-846:8260B	UF	<	1	ug/L	0.3	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	Xylene[1,3 and 1,4]	Xylene[1,3-]+Xylene[1,4-]	SW-846:8260B	UF	<	2	ug/L	0.5	U	U	GELC	CAPA-10-24065

Table 12.0. CDBO-6 Alluvial Monitoring Well, Semi-volatile Organic Compounds (SVOCs).

Location Name	Start Date	Analyte	Analyte Desc	Anyl Meth Code	Fld Prep Code		Std Result	Units	Std Mdl	Lab Qual Code	Concat Flag Code	Lab Code	Request Num
CDBO-6	8/2/10	83-32-9	Acenaphthene	SW-846:8270C	UF	<	1.08	ug/L	0.33	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	208-96-8	Acenaphthylene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	62-53-3	Aniline	SW-846:8270C	UF	<	10.8	ug/L	2.7	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	120-12-7	Anthracene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	1912-24-9	Atrazine	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	R	GELC	CAPA-10-24065
CDBO-6	8/2/10	103-33-3	Azobenzene	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	92-87-5	Benzidine	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	56-55-3	Benzo(a)anthracene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	50-32-8	Benzo(a)pyrene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	205-99-2	Benzo(b)fluoranthene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	191-24-2	Benzo(g,h,i)perylene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	207-08-9	Benzo(k)fluoranthene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	65-85-0	Benzoic Acid	SW-846:8270C	UF		15.8	ug/L	6.5	J	J	GELC	CAPA-10-24065
CDBO-6	8/2/10	100-51-6	Benzyl Alcohol	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	111-91-1	Bis(2-chloroethoxy)methane	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	111-44-4	Bis(2-chloroethyl)ether	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	117-81-7	Bis(2-ethylhexyl)phthalate	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	101-55-3	Bromophenyl-phenylether[4-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	85-68-7	Butylbenzylphthalate	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	59-50-7	Chloro-3-methylphenol[4-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	106-47-8	Chloroaniline[4-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	91-58-7	Chloronaphthalene[2-]	SW-846:8270C	UF	<	1.08	ug/L	0.32	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	95-57-8	Chlorophenol[2-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	7005-72-3	Chlorophenyl-phenyl[4-] Ether	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	218-01-9	Chrysene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	84-74-2	Di-n-butylphthalate	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	117-84-0	Di-n-octylphthalate	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	53-70-3	Dibenz(a,h)anthracene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	132-64-9	Dibenzofuran	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	95-50-1	Dichlorobenzene[1,2-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	541-73-1	Dichlorobenzene[1,3-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	106-46-7	Dichlorobenzene[1,4-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	91-94-1	Dichlorobenzidine[3,3'-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	120-83-2	Dichlorophenol[2,4-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	84-66-2	Diethylphthalate	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	131-11-3	Dimethyl Phthalate	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	105-67-9	Dimethylphenol[2,4-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	534-52-1	Dinitro-2-methylphenol[4,6-]	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	51-28-5	Dinitrophenol[2,4-]	SW-846:8270C	UF	<	21.5	ug/L	5.4	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	121-14-2	Dinitrotoluene[2,4-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065

Table 12.0. CDBO-6 Alluvial Monitoring Well, Semi-volatile Organic Compounds (SVOCs).

Location Name	Start Date	Analyte	Analyte Desc	Anyl Meth Code	Fld Prep Code		Std Result	Units	Std Mdl	Lab Qual Code	Concat Flag Code	Lab Code	Request Num
CDBO-6	8/2/10	606-20-2	Dinitrotoluene[2,6-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	88-85-7	Dinoseb	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	123-91-1	Dioxane[1,4-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	122-39-4	Diphenylamine	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	206-44-0	Fluoranthene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	86-73-7	Fluorene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	118-74-1	Hexachlorobenzene	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	87-68-3	Hexachlorobutadiene	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	77-47-4	Hexachlorocyclopentadiene	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	67-72-1	Hexachloroethane	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	193-39-5	Indeno(1,2,3-cd)pyrene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	78-59-1	Isophorone	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	90-12-0	Methylnaphthalene[1-]	SW-846:8270C	UF	<	1.08	ug/L	0.32	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	91-57-6	Methylnaphthalene[2-]	SW-846:8270C	UF	<	1.08	ug/L	0.32	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	95-48-7	Methylphenol[2-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	106-44-5	Methylphenol[4-]	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	91-20-3	Naphthalene	SW-846:8270C	UF	<	1.08	ug/L	0.32	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	88-74-4	Nitroaniline[2-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	99-09-2	Nitroaniline[3-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	100-01-6	Nitroaniline[4-]	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	98-95-3	Nitrobenzene	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	88-75-5	Nitrophenol[2-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	100-02-7	Nitrophenol[4-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	924-16-3	Nitroso-di-n-butylamine[N-]	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	621-64-7	Nitroso-di-n-propylamine[N-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	55-18-5	Nitrosodiethylamine[N-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	62-75-9	Nitrosodimethylamine[N-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	930-55-2	Nitrosopyrrolidine[N-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	108-60-1	Oxybis(1-chloropropane)[2,2'-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	608-93-5	Pentachlorobenzene	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	87-86-5	Pentachlorophenol	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	85-01-8	Phenanthrene	SW-846:8270C	UF	<	1.08	ug/L	0.22	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	108-95-2	Phenol	SW-846:8270C	UF	<	10.8	ug/L	1.1	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	129-00-0	Pyrene	SW-846:8270C	UF	<	1.08	ug/L	0.32	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	110-86-1	Pyridine	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	UJ	GELC	CAPA-10-24065
CDBO-6	8/2/10	95-94-3	Tetrachlorobenzene[1,2,4,5]	SW-846:8270C	UF	<	10.8	ug/L	3.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	58-90-2	Tetrachlorophenol[2,3,4,6-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	120-82-1	Trichlorobenzene[1,2,4-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	95-95-4	Trichlorophenol[2,4,5-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065
CDBO-6	8/2/10	88-06-2	Trichlorophenol[2,4,6-]	SW-846:8270C	UF	<	10.8	ug/L	2.2	U	U	GELC	CAPA-10-24065

Table 13.0. CDBO-6 Alluvial Monitoring Well. Radiologicals.

Location Name	Start Date	Analyte	Analyte Desc	Anyl Meth Code	Fld Prep Code		Std Result	Std Uom	Std Uncert	Std Mda	Lab Qual Code	Concat Flag Code	Request Num
CDBO-6	8/2/2010	GROSSA	Gross alpha	EPA:900	UF	<	0.369	pCi/L	0.54	2.1	U	U	CAPA-10-24065
CDBO-6	8/2/2010	Ra-226	Radium-226	EPA:903.1	UF		1.98	pCi/L	0.43	0.50			CAPA-10-24065
CDBO-6	8/2/2010	Ra-228	Radium-228	EPA:904	UF	<	0.408	pCi/L	0.24	0.77	U	U	CAPA-10-24065

ENCLOSURE 1.0

Photographs

SERF Evaporation Basins and Leak Inspection Pipes

Inspection Dates:
October 14, 2010
November 16, 2010
December 14, 2010

West basin, west inspection Pipe. (10/14/2010)

West basin, East inspection Pipe. (10/14/2010)

East basin, West inspection Pipe. (10/14/2010)

East basin, East inspection Pipe. (10/147/2010)

East basin influent pipe. (10/14/2010)

East basin overflow pipe. (10/14/2010)

West basin overflow pipe. (10/14/2010)

West basin influent pipe. (10/14/2010)

EVAPORATION POND RECORD
OCTOBER 14, 2010

West basin west inspection Pipe.(11/16/2010)

West basin, East inspection Pipe.(11/16/2010)

East basin, west inspection Pipe. (11/16/2010)

East basin, East inspection Pipe. (11/16/2010)

East basin influent pipe. (11/16/2010)

East basin, overflow pipe. (11/16/2010)

West basin overflow pipe. (11/16/2010)

West basin influent pipe. (11/16/2010)

EVAPORATION POND RECORD
NOVEMBER 16, 2010

West basin, West inspection Pipe. (12-14-2010)

West basin, East inspection Pipe. (12-14-2010)

East basin, West inspection Pipe. (12-14-2010)

East basin, East inspection Pipe. (12-14-2010)

East basin influent pipe (12-14-2010)

East basin overflow pipe. (12-14-2010)

West basin overflow pipe (12-14-2010)

West basin influent pipe. (12-14-2010)

EVAPORATION POND RECORD
DECEMBER 14, 2010