



## **NATURAL ATTENUATION MONITORING PLAN**

*For:*

**THE RECOVERY ROOM – ST. CLOUD**  
3550 West 13<sup>th</sup> Street  
St. Cloud, Osceola County, Florida 32992  
Waste Cleanup Site ID #: COM\_316496

*Prepared for:*

**Florida Department of  
Environmental Protection**  
Waste Cleanup Section – Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803

*and*

**The Recovery Room of Central Florida, Inc.**  
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*Prepared by:*

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July 25, 2014

Apex Project # 340120334



## P.E. CERTIFICATION

**THE RECOVERY ROOM – ST. CLOUD**  
3550 West 13<sup>th</sup> Street  
St. Cloud, Osceola County, Florida 32992  
Waste Cleanup Site ID #: COM\_316496  
Report Date: July 25, 2014

In accordance with Chapter 471, Florida Statutes and Chapter 62-780.400 of the Florida Administrative Code (F.A.C.), I hereby certify that applicable portions of this technical document and associated work comply with standard professional practices and other rules of the Department and any other applicable laws and rules governing the engineering profession. I, Lawrence G. Schmalz, P.E. hereby certify that all engineering aspects of this project have been performed by me or under my direct supervision. Apex Companies, LLC is a Florida Certified Engineering Business.

### Report Prepared by:

*Nancy J. Rose*

\_\_\_\_\_  
Nancy J. Rose, P.G.  
Project Manager

Date: 7/28/14

### Report Reviewed by:

*Lawrence G. Schmalz*  
\_\_\_\_\_  
Lawrence G. Schmalz, P.E., G.C.  
Florida Registered Professional Engineer (48294)

Date: 7/29/14



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## **1.0 INTRODUCTION**

Apex Companies, LLC, was retained by The Recovery Room of Central Florida, Inc. to prepare this Natural Attenuation Monitoring Plan (NAMP) for The Recovery Room – St. Cloud located at 3550 West 13th Street, St. Cloud, Osceola County, Florida. The objective of this NAMP is to pursue “No Further Action with Institutional Controls” for the tetrachloroethene impacts in the shallow groundwater in the northern portion of the vehicle maintenance area. This Natural Attenuation Monitoring Plan has been prepared in accordance with Chapter 62-780.690 FAC, to outline the monitoring of the existing monitoring wells in order to bring the site to eventual closure.

The subject site consists of a single parcel containing three buildings (body shop, paint shop, and storage shed) associated with an automotive paint and body shop facility. The structures are located at the center of the subject parcel with asphalt parking areas surrounding the buildings. The property is currently operating as The Recovery Room (an automotive paint and body shop facility). The Site Plan in **Figure 1** depicts the site layout.

## **2.0 ASSESSMENT HISTORY**

In July 2012, a Phase II Environmental Assessment confirmed the presence of tetrachloroethene (PCE) contamination in the area of the east trench drain which was originally discovered during a Phase I Environmental Site Assessment Update. The following is a summary of the Phase II Environmental Assessment:

- The depth to groundwater at the site was established to be between 5' and 7' below land surface (bls), with the direction of groundwater flow to the south-southwest.
- Lithology was determined to be brown, light brown, and tan fine sand.
- None of the OVA results for the screened locations was found to exhibit positive readings (>10 ppm).
- Tetrachloroethene was detected at a concentration exceeding the Groundwater Cleanup Target Level (GCTL) in TMW-9 (8.7 µg/L) in the northeast corner of the body shop building. All of the other analytes were found to be below laboratory detection limits.

- None of the deep groundwater samples (≈25' to 30' bls) were found to contain chlorinated solvent constituents.

Removal/closure of the in-ground hydraulic lifts, trench drain, and oil/water separator was performed on July 27<sup>th</sup>, August 3<sup>rd</sup>, 6<sup>th</sup>, and 9<sup>th</sup>, 2012. The confirmatory soil samples collected upon removal of the hydraulic lifts indicated that all contaminated soil previously present in the area of the lifts was properly removed. It was also established that soil contamination appeared to be present in the area of the oil/water separator, which required further assessment.

In August 2013, Apex performed a Limited Site Assessment (LSA) in the area of chlorinated solvent impact. A Site Assessment Status Report presenting the results of the LSA were sent to the Department on August 26, 2013. The scope of work for the LSA included:

- Installation of five permanent shallow monitoring wells (MW-11, MW-12, MW-13, MW-14, and MW-15) in the locations of the trench drains and oil/water separator.
- Collection and analysis of groundwater samples. Monitoring wells MW-13, MW-14, and MW-15, in the location of the trench drains were analyzed for Volatile Organic Halocarbons (VOH) using EPA Method 8260; monitoring wells MW-11 and MW-12, in the location of the oil/water separator, were analyzed by EPA Method 8260 for Volatile Organic Aromatics (VOA) and VOH, EPA Method 8270 for Polynuclear Aromatic Hydrocarbons (PAHs), and Total Petroleum Hydrocarbons (TRPH) using the Florida (FL) PRO Method.
- Installation of five soil borings at the perimeter of the oil/water separator excavation to delineate the extent of soil contamination. Soil samples were collected from the borings at the locations exhibiting the highest OVA response or staining. Soil samples were analyzed for VOA and VOH, PAHs, TRPH and 4-RCRA Metals.

Results of the LSA were as follows:

- No detectable OVA readings were encountered in any of the soil samples analyzed in the location of the oil/water separator.
- Analytical results of the soil sampling conducted on August 13, 2013, revealed that

no contaminants of concern were found to exceed soil cleanup target levels (SCTLs), in any of the sampled locations.

- Analytical results of the groundwater sampling event performed on August 14, 2013, revealed that concentrations of PCE exceeded the GCTL of 3 µg/L in monitoring wells MW-13 (13 µg/L), MW-14 (6.5 µg/L), and MW-15 (3.4 µg/L), but did not exceed the NADC value of 30 µg/L. None of the other analytes were detected at levels above the GCTLs for any of the methods tested at the sampled locations.

Three additional shallow monitoring wells (MW-16, MW-17, and MW-18) and one deep monitoring well (MW-19D) were installed on March 19, 2014. Groundwater samples were collected for analysis of VOHs. Analytical results of the groundwater sampling event performed on March 20, 2014, revealed that the concentration of PCE exceeded the GCTL of 3 µg/L in monitoring well MW-18 (4.8 µg/L) but did not exceed the NADC value of 30 µg/L. None of the other analytes were detected at levels exceeding their respective GCTLs at the sampled locations. The FDEP review of the SAR dated April 1, 2014 recommended installation of one additional down-gradient monitoring well to complete the plume delineation.

One additional down-gradient monitoring well (MW-20) was installed on June 2, 2014. Groundwater samples were collected for analysis of VOHs. Groundwater analytical results revealed that no contaminants of concern were detected at concentrations exceeding the GCTLs at MW-20. Further, the groundwater in the surficial aquifer was confirmed to flow generally to the west.

### **3.0 NATURAL ATTENUATION MONITORING**

Monitoring will be conducted at the subject site with the intent of obtaining a site closure using Risk Management Option II pursuant to Chapter 62-780.680(2)(c)4, Florida Administrative Code (F.A.C.). Before Risk Management Option Level II can be considered, a minimum of one year of groundwater monitoring is needed to confirm plume stability and confirm that groundwater contamination is not migrating away from the localized area.

Based on the results of the Site Assessment the following criteria have been met:

- The contaminant plume has been fully delineated.
- The contaminant plume does not extend beyond the property boundary.
- No contaminated soils are present in the area of concern.

### 3.1 RECOMMENDED MONITORING WELLS

In order to confirm plume stability and demonstrate that groundwater contamination is not migrating away from the localized area, the following wells are proposed for quarterly sampling and laboratory analysis for a period of one year. Sampling will begin approximately 30 days following NAMP approval.

MONITORING WELL	DESCRIPTION	ANALYSIS METHODS
MW-12	Upgradient	EPA Method 8260 - VOH
MW-13	Lateral North	EPA Method 8260 - VOH
MW-14	Source Area Well	EPA Method 8260 - VOH
MW-15	Lateral South	EPA Method 8260 - VOH
MW-18	Downgradient	EPA Method 8260 - VOH
MW-20	Downgradient	EPA Method 8260 - VOH

### 3.2 SITE SPECIFIC ACTION LEVELS

Action levels are those concentrations that will not be exceeded within the plume based on current concentrations. The site specific action levels for this NAMP will be as follows:

MONITORING WELL	CONTAMINANT OF CONCERN	CONCENTRATION* (µg/L)	GCTL (µg/L)	ACTION LEVEL (µg/L)
MW-12 (Upgradient)	Tetrachloroethene	0.36 U	3.0	30
MW-13 (Lateral North)	Tetrachloroethene	13	3.0	30
MW-14 (Source Area)	Tetrachloroethene	6.5	3.0	30
MW-15 (Lateral South)	Tetrachloroethene	3.4	3.0	30
MW-18 (Downgradient)	Tetrachloroethene	4.8	3.0	30

MONITORING WELL	CONTAMINANT OF CONCERN	CONCENTRATION* (µg/L)	GCTL (µg/L)	ACTION LEVEL (µg/L)
MW-20 (PoC)	Tetrachloroethene	0.76 U	3.0	30

\* = Concentration during the most recent sampling event  
U = Undetected at or above the method detection limit

Should the Action Level be exceeded at any time, the well that revealed the exceeding concentration will be re-sampled, for only that contaminant of concern, within thirty (30) days of discovery. If the Action Level is exceeded for two (2) consecutive sampling events, then the engineer of record will issue a report of findings which will include one of the following three recommendations:

1. Further site assessment and the preparation and submittal to the FDEP of a Supplemental Site Assessment Report (SSAR), or;
2. Continuation of the Monitoring of Natural Attenuation with a justification for that recommendation, or;
3. Preparation of a Remedial Action Plan (RAP).

The Point of Compliance (PoC) for this site will be MW-20. Because an existing on-site monitoring well is used as the PoC, a figure has not been drawn to depict the PoC boundary.

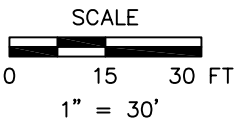
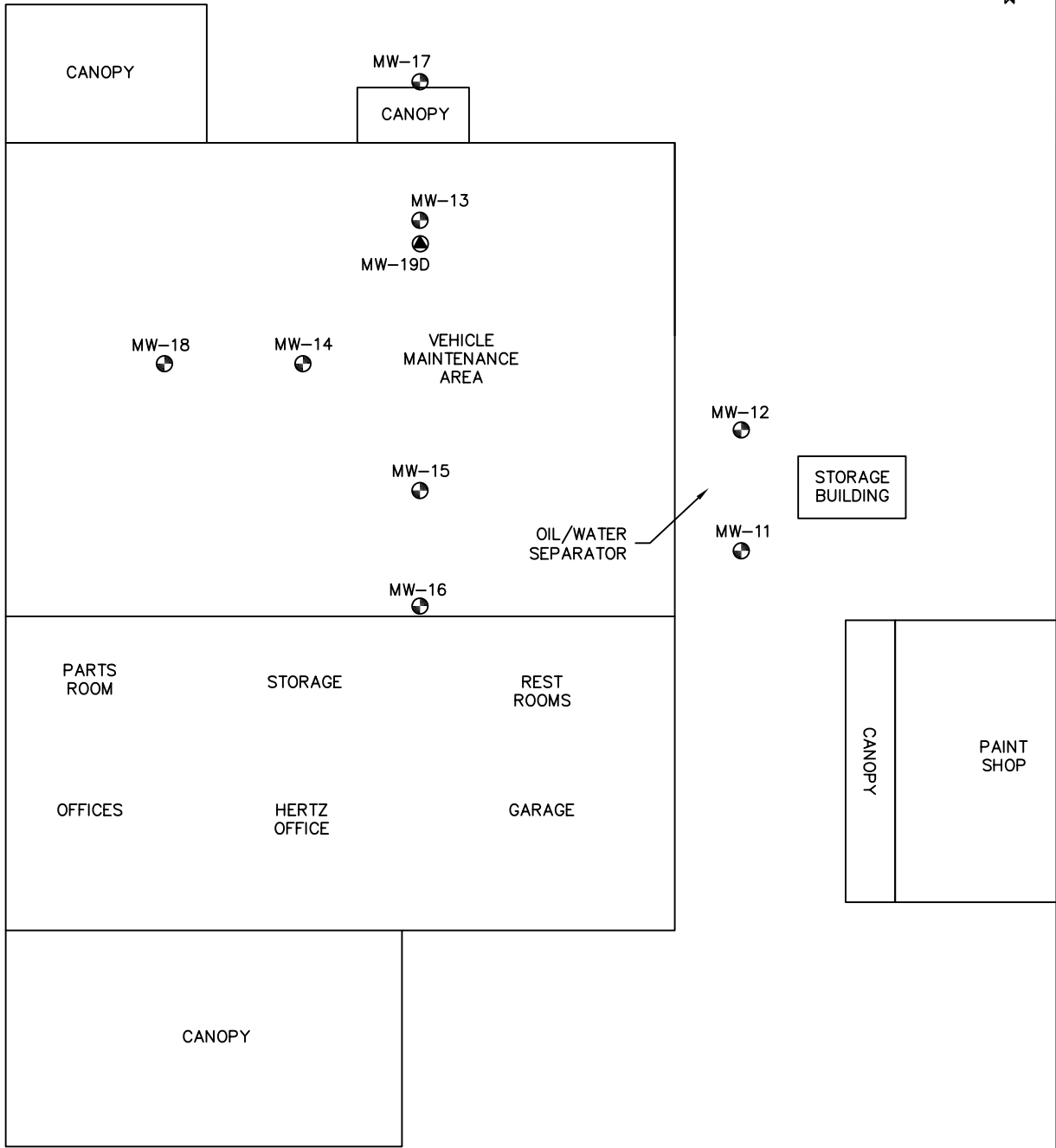
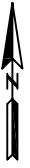
#### 4.0 **REPORTING**

Quarterly monitoring reports will be submitted to the FDEP within thirty (30) days of each sampling event.





# FIGURES



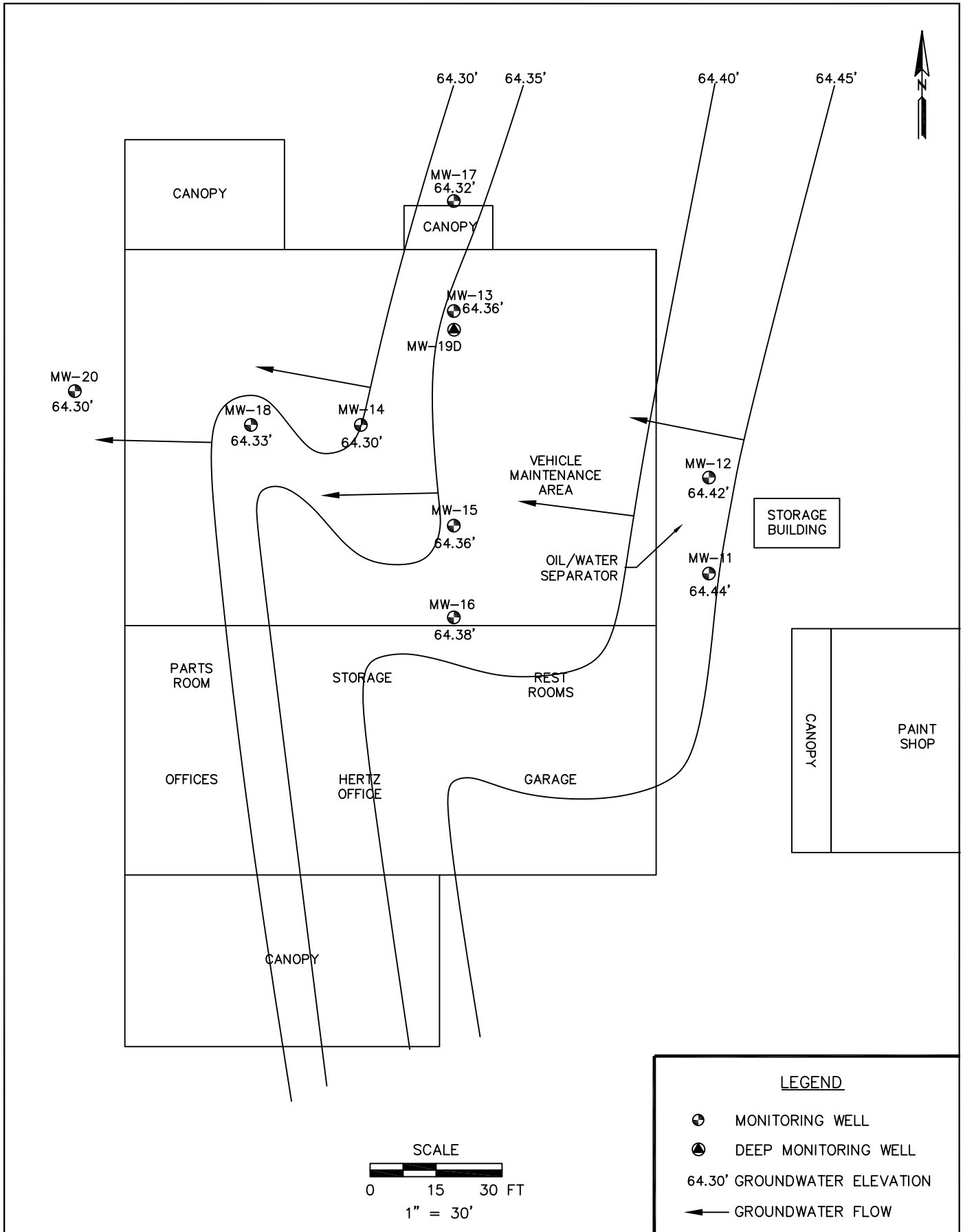
LEGEND	
	MONITORING WELL
	DEEP MONITORING WELL



THE RECOVERY ROOM – ST. CLOUD  
 3350 WEST 13TH STREET  
 SAINT CLOUD, FLORIDA  
 WASTE CLEANUP SITE ID# COM\_316496

SITE PLAN

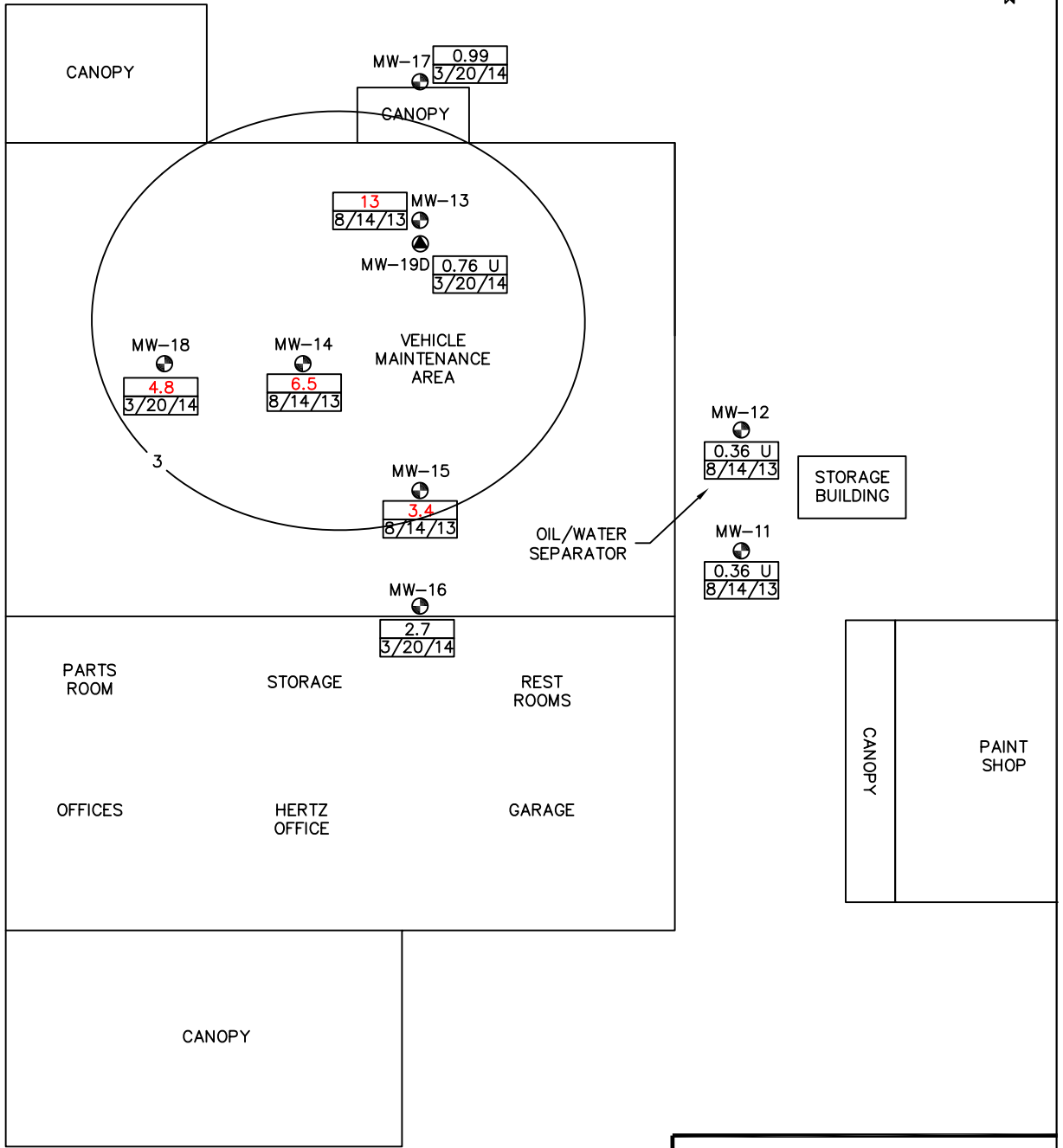
FIGURE 1



THE RECOVERY ROOM – ST. CLOUD  
 3350 WEST 13TH STREET  
 SAINT CLOUD, FLORIDA  
 WASTE CLEANUP SITE ID# COM\_316496

GROUNDWATER FLOW  
 DIRECTION MAP  
 6/3/2014

FIGURE 2



MW-20  
0.76 U  
6/3/14

MW-17  
0.99  
3/20/14

13 MW-13  
8/14/13

MW-19D  
0.76 U  
3/20/14

MW-18  
4.8  
5/20/14

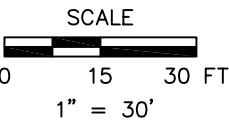
MW-14  
6.5  
8/14/13

MW-15  
3.4  
8/14/13

MW-12  
0.36 U  
8/14/13

MW-11  
0.36 U  
8/14/13

MW-16  
2.7  
3/20/14



**LEGEND**

- MONITORING WELL
- DEEP MONITORING WELL
- |         |
|---------|
| 0.36 U  |
| 3/20/14 |

 TETRACHLOROETHENE CONC  
DATE SAMPLED
- 13** CONCENTRATION >GCTL

ANALYTE CONCENTRATIONS IN  $\mu\text{G/L}$



THE RECOVERY ROOM – ST. CLOUD  
3350 WEST 13TH STREET  
SAINT CLOUD, FLORIDA  
WASTE CLEANUP SITE ID# COM\_316496

TETRACHLOROETHENE  
PLUME  
CONCENTRATIONS

FIGURE 3



# **TABLES**





**TABLE 2: SOIL ANALYTICAL SUMMARY - VOAs, TRPHs and Metals**

Facility ID#: **COM\_316496**

Facility Name: **The Recovery Room - St. Cloud**

See notes at end of table.

Sample				OVA	Laboratory Analyses										Comments
Boring/Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Benzene (mg/kg)	Ethyl-benzene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TRPHs (mg/kg)	Arsenic (mg/kg)	Cad-mium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	
SS-12-2	8/13/2013	4	2	0.0	0.00019 U	0.00066 U	0.00047 U	0.00014 U	0.00018 U	5.5 U	0.32 U	0.058 U	1.6	3.0	
SS-14-2	8/13/2013	3	2	0.0	0.0019 U	0.0067 U	0.0048 U	0.0014 U	0.0018 U	26	3.7 U	0.68 U	2.9 I	4.8 U	
SS-16-2	8/13/2013	3	2	0.0	0.00021 U	0.00074 U	0.00052 U	0.00016 U	0.0002 U	6 U	0.35 U	0.066 U	1.5	3.6	
Leachability Based on Groundwater Criteria (mg/kg)					0.007	0.6	0.5	0.2	0.09	340	*	7.5	38	*	
Direct Exposure Residential (mg/kg)					1.2	1,500	7,500	130	4,400	460	2.1	82	210	400	

Notes: NA = Not Available.

NS = Not Sampled.

\* = Leachability value may be determined using TCLP.

Blank = No Data

If an analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].



**TABLE 2: SOIL ANALYTICAL SUMMARY - Non-Carcinogenic PAHs**

Facility ID#: **COM\_316496**

Facility Name: **The Recovery Room - St. Cloud**

See notes at end of table.

Sample				OVA	Laboratory Analyses											Comments
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Naph- thalene (mg/kg)	1-Methyl- naph- thalene (mg/kg)	2-Methyl- naph- thalene (mg/kg)	Acen- aph- thene (mg/kg)	Acen- aph- thylene (mg/kg)	Anthra- cene (mg/kg)	Benzo (g,h,i) pery- lene (mg/kg)	Fluoran- thene (mg/kg)	Fluor- ene (mg/kg)	Phenan- threne (mg/kg)	Pyrene (mg/kg)	
SS-12-2	8/13/2013	4	2	0.0	0.0062 U	0.0038 U	0.0032 U	0.0024 U	0.0025 U	0.0019 U	0.0078 U	0.0026 U	0.002 U	0.0032 U	0.0078 U	
SS-14-2	8/13/2013	3	2	0.0	0.061 U	0.37 U	0.031 U	0.023 U	0.024 U	0.019 U	0.077 U	0.026 U	0.02 U	0.031 U	0.077 U	
SS-16-2	8/13/2013	3	2	0.0	0.0069 U	0.0041 U	0.0035 U	0.0026 U	0.0028 U	0.0021 U	0.0086 U	0.0029 U	0.0022 U	0.0035 U	0.0086 U	
Leachability Based on Groundwater Criteria (mg/kg)					1.2	3.1	8.5	2.1	27	2,500	32,000	1,200	160	250	880	
Direct Exposure Residential (mg/kg)					55	200	210	2,400	1,800	21,000	2,500	3,200	2,600	2,200	2,400	

Notes: NA = Not Available.  
 NS = Not Sampled.  
 Blank = No Data

If analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

**TABLE 2: SOIL ANALYTICAL SUMMARY - Carcinogenic PAHs**

**Facility ID#: COM\_316496**

**Facility Name: The Recovery Room - St. Cloud**

See notes at end of table.

Sample				OVA	Laboratory Analyses								Comments
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbis)	Net OVA Reading (ppm)	Benzo (a) pyrene (mg/kg)	Benzo (a) anthracene (mg/kg)	Benzo (b) fluoranthene (mg/kg)	Benzo (k) fluoranthene (mg/kg)	Chry-sene (mg/kg)	Dibenz (a,h) anthracene (mg/kg)	Indeno (1,2,3-cd) pyrene (mg/kg)	Benzo (a) pyrene equivalent (mg/kg)	
MW-12-2	8/13/2013	4	2	0.0	0.0023 U	0.0017 U	0.0031 U	0.0022 U	0.0014 U	0.0083 U	0.0082 U	NA	
MW-14-2	8/13/2013	3	2	0.0	0.022 U	0.017 U	0.03 U	0.021 U	0.013 U	0.081 U	0.08 U	NA	
MW-16-2	8/13/2013	3	2	0.0	0.0025 U	0.0019 U	0.0034 U	0.0024 U	0.0015 U	0.0091 U	0.009 U	NA	
Leachability Based on Groundwater Criteria (mg/kg)					8	0.8	2.4	24	77	0.7	6.6	**	
Direct Exposure Residential (mg/kg)					0.1	#	#	#	#	#	#	0.1	

Notes: NA = Not Available.

NS = Not Sampled.

\*\* = Leachability value not applicable.

# = Direct Exposure value not applicable except as part of the Benzo(a)pyrene equivalent.

Blank = No Data

If analyte is not detected, report the method detection limit [i.e., 0.01 U or ND(0.01); BDL or <0.01 are not acceptable].

**TABLE 3: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - VOCs and Metals**

Facility ID#:

COM\_316496

Facility Name: The Recovery Room - St. Cloud

See notes at end of table.

Sample		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total VOAs	MTBE	EDB	1,2-Dichloroethane	Total Arsenic	Total Cadmium	Total Chromium	Total Lead
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-11	8/14/2013	0.23 U	0.20 U	0.20 U	0.22 U	0.85	0.28 U	NS	0.24 U	NS	NS	NS	NS
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	8/14/2013	0.23 U	0.20 U	0.20 U	0.22 U	0.85	0.28 U	NS	0.24 U	NS	NS	NS	NS
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-13	8/14/2013	0.23 U	0.20 U	0.20 U	0.22 U	0.85	0.28 U	NS	0.24 U	NS	NS	NS	NS
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-14	8/14/2013	0.23 U	0.20 U	0.20 U	0.22 U	0.85	0.28 U	NS	0.24 U	NS	NS	NS	NS
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-15	8/14/2013	0.23 U	0.42 I	1.5	1.5	3.65	0.28 U	NS	0.24 U	NS	NS	NS	NS
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GCTLs		1**	40**	30**	20**	NA	20	0.02**	3**	10**	5**	100**	15**
NADCs		100	400	300	200	NA	200	2	300	100	50	1,000	150

Notes: NA = Not Available. NI = Not Installed  
 NS = Not Sampled.  
 GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.  
 NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.  
 \*\* = As provided in Chapter 62-550, F.A.C.  
 Blank = No Data  
 Freshwater Surface Water (FSW), Marine Surface Water (MSW) and Groundwater of Low Yield/Poor Quality (LY/PQ) CTLs should be added to the base of the table as applicable.

**TABLE 3: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - VOCs and Metals**

Facility ID#:

COM\_316496

Facility Name: The Recovery Room - St. Cloud

See notes at end of table.

Sample		Benzene	Toluene	Ethyl- benzene	Total Xylenes	Total VOAs	MTBE	EDB	1,2-Di- chloro- ethane	Total Arsenic	Total Cadm- mium	Total Chro- mium	Total Lead
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-16	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	<0.63	NS	NS	NS	NS
MW-17	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	<0.63	NS	NS	NS	NS
MW-18	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	<0.63	NS	NS	NS	NS
MW-19D	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	<0.63	NS	NS	NS	NS
MW-20	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6/3/2014	NS	NS	NS	NS	NS	NS	NS	<0.63	NS	NS	NS	NS
GCTLs		1**	40**	30**	20**	NA	20	0.02**	3**	10**	5**	100**	15**
NADCs		100	400	300	200	NA	200	2	300	100	50	1,000	150

Notes: NA = Not Available. NI = Not Installed  
 NS = Not Sampled.  
 GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.  
 NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.  
 \*\* = As provided in Chapter 62-550, F.A.C.  
 Blank = No Data  
 Freshwater Surface Water (FSW), Marine Surface Water (MSW) and Groundwater of Low Yield/Poor Quality (LY/PQ) CTLs should be added to the base of the table as applicable.

**TABLE 3: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs and TRPHs**

Facility ID#: **COM\_316496**

Facility Name: **The Recovery Room - St. Cloud**

See notes at end of table.

Sample		TRPHs	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (g,h,i) perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo (a) pyrene	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-11	8/14/2013	43 U	0.079 I	0.028 U	0.039 I	0.028 U	0.022 U	0.020 U	0.012 U	0.020 U	0.030 U	0.026 U	0.022 U	0.0091 U	0.011 U	0.0071 U	0.017 U	0.01 U	0.011 U	0.011 U
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	8/14/2013	43 U	0.031 I	0.028 U	0.025 U	0.028 U	0.022 U	0.020 U	0.012 U	0.020 U	0.030 U	0.026 U	0.022 U	0.0091 U	0.011 U	0.0071 U	0.017 U	0.01 U	0.011 U	0.011 U
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-13	8/14/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-14	8/14/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>GCTLs</b>		5,000	14	28	28	20	210	2,100	210	280	280	210	210	0.2**	0.05 <sup>a</sup>	0.05 <sup>a</sup>	0.5	4.8	0.005 <sup>a</sup>	0.05 <sup>a</sup>
<b>NADCs</b>		50,000	140	280	280	200	2,100	21,000	2,100	2,800	2,800	2,100	2,100	20	5	5	50	480	0.5	5

Notes: NA = Not Available. NI= Not Installed  
NS = Not Sampled.

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.  
NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.  
\*\* = As provided in Chapter 62-550, F.A.C.

<sup>a</sup> = See the October 12, 2004 "Guidance for the Selection of Analytical Methods and for the Evaluation of Practical Quantitation Limits" to determine how to evaluate data when the CTL is lower than the PQL.  
Blank = No Data

Freshwater Surface Water (FSW), Marine Surface Water (MSW) and Groundwater of Low Yield/Poor Quality (LY/PQ) CTLs should be added to the base of the table as applicable.

**TABLE 3: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs and TRPHs**

Facility ID#: **COM\_316496**

Facility Name: **The Recovery Room - St. Cloud**

See notes at end of table.

Sample		TRPHs	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (g,h,i) perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo (a) pyrene	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-15	8/14/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-16	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-18	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19D	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-20	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6/3/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>GCTLs</b>		5,000	14	28	28	20	210	2,100	210	280	280	210	210	0.2**	0.05 <sup>a</sup>	0.05 <sup>a</sup>	0.5	4.8	0.005 <sup>a</sup>	0.05 <sup>a</sup>
<b>NADCs</b>		50,000	140	280	280	200	2,100	21,000	2,100	2,800	2,800	2,100	2,100	20	5	5	50	480	0.5	5

Notes: NA = Not Available. NI= Not Installed

NS = Not Sampled.

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

\*\* = As provided in Chapter 62-550, F.A.C.

<sup>a</sup> = See the October 12, 2004 "Guidance for the Selection of Analytical Methods and for the Evaluation of Practical Quantitation Limits" to determine how to evaluate data when the CTL is lower than the PQL.

Blank = No Data

**TABLE 3: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY -  
 ^Other Contaminants not listed in Chapter 62-770, F.A.C.**

Facility ID#: **COM\_316496** Facility Name: **The Recovery Room - St. Cloud** See Notes at end of Table

Sample		1,2,4-Tri-methyl-benzene	1,3,5-Tri-methyl-benzene	tert-Butyl alcohol	ETBE	TAME	DIPE	Ethanol	Cumene (Isopropyl benzene)	1,2-Dichloro-benzene	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Tetra-chloro-ethene	Tri-chloro-ethene
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-11	8/14/2013	0.37 U	0.24 U	NS	NS	NS	NS	NS	0.26 U	0.40 U	0.22 U	0.22 U	0.36 U	0.48 U
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	8/14/2013	0.37 U	0.24 U	NS	NS	NS	NS	NS	0.26 U	0.40 U	0.22 U	0.22 U	0.36 U	0.48 U
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-13	8/14/2013	0.37 U	0.24 U	NS	NS	NS	NS	NS	0.26 U	0.40 U	0.22 U	0.22 U	13	1.0 I
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-14	8/14/2013	0.37 U	0.24 U	NS	NS	NS	NS	NS	0.26 U	0.40 U	0.84 I	0.22 U	6.5	0.78 I
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-15	8/14/2013	4.8	2.0	NS	NS	NS	NS	NS	0.39 I	0.78 I	27	0.64 I	3.4	1.1 I
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-16	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	0.73 U	0.53 U	0.73 U	2.7	0.89 U
MW-17	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	0.73 U	0.53 U	0.73 U	0.99	0.89 U
MW-18	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	0.73 U	5.1	0.73 U	4.8	2.3
MW-19D	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NS	NS	NS	NS	NS	NS	NS	NS	0.73 U	0.53 U	0.73 U	0.76 U	0.89 U
MW-20	8/14/2013	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3/20/2014	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6/3/2014	NS	NS	NS	NS	NS	NS	NS	NS	0.73 U	12	0.73 U	0.76 U	1.5
GCTLs		10	10	1,400	1,000	500	1,000	10,000	0.8	600	70	100	3	3
NADCs		100	100	14,000	10,000	5,000	10,000	100,000	8	6000	700	1000	30	30

Notes: NA = Not Available. NI= Not Installed  
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 NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.