Construction Documentation for Soil Remediation System

DB Oaks Facility
Fort Atkinson, Wisconsin

WDNR BRRTS #03-28-176509

May 2007

RMT, Inc. | Gardner-Denver, Inc.
Final
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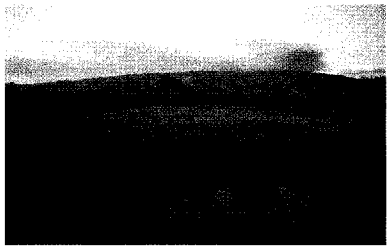

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Executive Summary

The D.B. Oaks facility is located on the north side of Fort Atkinson, Wisconsin. The 180,000–square foot facility is currently leased to tenants who operate their businesses at the facility. Based on the results of Phase 1 (1994) and Phase 2 (1995) Environmental Site Assessments conducted at the site, the WDNR (2004) required that Thomas Industries conduct a site investigation. Site investigation phases conducted between 2004 and 2006 (by NewFields) indicated that the soil and groundwater at the property are contaminated with chlorinated volatile organic compounds, principally tetrachloroethene (PCE) and degradation products, with minor amounts of metals and petroleum compounds.

The localized source areas for the chlorinated VOC contamination appear to be the former 10,000-gallon PCE tank near the northeastern corner of the facility building, the vicinity of the loading dock located on the eastern side of the building, and an area about 50 feet southeast of the loading dock. The total VOC concentrations in groundwater from March 2006 are highest in the vicinity of the loading dock, near the current MW-3 well nest. The water table is approximately 3 to 9 feet below ground surface in these source areas. VOCs were not detected upgradient (well MW-5 nest to the north and MW-6 nest to the south). Groundwater flows to the south-southwest.

Soil contamination has been characterized at depth below ground surface to groundwater in the vicinity of the three source areas (NewFields, 2005). Gardner Denver took the first of two steps in the remediation process for this site. The first step was to initiate the soil contamination remedy above the water table as a voluntary source removal action, through installation of an *in situ* soil vacuum extraction (ISVE) system at the site, combined with soil conditioning to enhance soil permeability and the effectiveness of the ISVE. This was largely completed between mid-November 2006 and mid-December 2006. Final grading on the site was completed in mid-March 2007. The effect of the soil remediation on groundwater will be determined and a plan to address groundwater remediation (the second remediation step) will be submitted after the effects of the soil remediation on groundwater are better understood.

Operation, maintenance, and monitoring of the subject system are the next steps to be completed. No substantial changes to the operation and maintenance of the system, as proposed in the design plan, are anticipated. The target soil cleanup levels are calculated Residual Contaminant Levels (RCLs) under NR 720.19 for direct contact of soil in an industrial

setting from the WDNR's *Determining Residual Contaminant Levels Using the EPA Soil Screening Level Web Site.*

Groundwater quality sampling was completed at the site in early November 2006 at a limited number of monitoring wells (MW-3 and MW-7 nests) for VOC analysis. The data from the MW-3 nest suggest that VOCs in the deep well (MW-3B) are possibly due to carry-down from a shallower level, based on the VOCs showing limited biodegradation compared to the mid-level monitoring well (MW-3A). Groundwater investigation at the site will continue with the goal of selecting a groundwater remedy to implement.

Section 1
Background

The DB Oaks Facility is located on the northern side of Fort Atkinson, Wisconsin (see Figure 1). The building is used to house tenants who lease commercial space. NewFields stated the following in Site Investigation Report, DB Oaks Facility (2005):

> Residential lighting fixtures were manufactured at the facility by Moe Brothers Lighting in 1939; Moe Brothers Manufacturing changed its name to Moe Lighting in 1939 and was acquired by Thomas Industries in 1948. Lighting fixtures continued to be manufactured at the facility until 1985, when Thomas sold the facility....The Wand Corporation (Wand) subsequently utilized the facility to manufacture storm doors and windows in 1985, but vacated the building by 1992. Two other businesses (Gross EMO and Wisconsin Packaging Corporation) occupied portions of the property between 1986 and 1994. Miller Machining began operating at a portion of the property in 1994. The property is currently owned by D.B. Oaks; and the building is occupied by 5 Alarm Fire and Safety Equipment, Inc., and W&A Distribution."
>
> "In an August 28, 1985, letter to Wand, RMT, Inc., identified a 10,000-gallon aboveground storage tank (AST) that was used to store tetrachloroethene (PCE), and an 18,000-gallon underground storage tank (UST) that held No. 2 fuel oil (see Figure 2). The Wisconsin Department of Natural Resources (WDNR) subsequently performed a generator inspection on March 27, 1986, completed at the time Wand had occupied the property. The inspection was completed by Wendell Wojner of the WDNR and described in an April 1986 memo. As described in that memo, no hazardous waste was observed during the inspection. Foundation for a large AST remained on-site at the rear of the building, but the tank had been removed.

Since 1986, additional investigations have been conducted at the site, as summarized below (NewFields, 2005):

- 1994, Gabriel Midwest, Phase 1 ESA – Could not find evidence of the fuel oil UST, but did find evidence of the PCE AST cradle.
- 1995, ATEC Associates, Phase 2 ESA – Conducted soil and groundwater investigation to evaluate potential releases from the fuel oil AST, PCE UST, and a former 500-gallon gasoline UST. PCE and degradation products were found in soil and groundwater on the eastern and southern sides of the building, collected from Geoprobe® borings.

- 2005, NewFields, Site Investigation Report – On behalf of Thomas Industries, responding to letters from the WDNR in March and May 2004, investigations were conducted between December 2004 and August 2005, and are summarized in this report. The scope of the investigations included the installation of water table wells and piezometers, and the collection of groundwater and soil samples for laboratory analysis.
- 2006, NewFields, Supplemental Hydrogeologic Site Investigation Status Report – The scope of investigation included the installation of an additional water table well and two piezometers, the collection of soil samples for waste profiling, and the collection of groundwater samples for laboratory analysis.
- November 2, 2006 – RMT conducts groundwater quality analysis at the MW-3 and MW-7 well nests.

Between October 2006 and March 2007, RMT completed the installation of the soil remediation system at the site, consisting of an *in situ* soil vacuum extraction (ISVE) system, combined with soil conditioning to enhance soil permeability and the effectiveness of the ISVE.

To date, Gardner Denver has complied with the requirements of submitting the Site Investigation Report to the Wisconsin Department of Natural Resources (WDNR) under NR 716. Operation, maintenance, and monitoring are the next steps at the site, in order for the groundwater investigation to continue toward selecting a groundwater remedy to implement.

Section 2
General Site Information

Pursuant to s. NR 724.15, a construction documentation report for the selected soil remedial action is presented below, including the following information:

2.1 General Site Information Under NR 724.05

Project title:	Design Plan for Soil Remediation at the DB Oaks Facility Fort Atkinson, Wisconsin
Property owner:	D.B. Oaks
Consultant contact:	Daniel W. Hall, Project Manager RMT, Inc. 744 Heartland Trail, Madison, WI 53717-1934
Site name:	DB Oaks Facility 700-710 Oak Street Fort Atkinson, WI 53538 W½, SW¼, Section 34, T6N, R14E (see Figure 1)

2.2 Facility Description

The DB Oaks Facility is an approximately 180,000–square foot–high bay 1-story building constructed of brick, located on a triangular-shaped property (see Figure 2). It is bounded on the west and fronted on Oak Street; on the north, by a wooded area and then East Cramer Street; on the west by the C& NW railroad tracks and then Lorman Iron & Metal; and on the south by the 2L Lobe property. A parking lot is located on the western side of the building. On the eastern side of the building, a gravel driveway between the building and the railroad tracks provides access to loading docks.

2.3 Nature and Extent of Contamination

The VOC contamination in soil and groundwater occurs on the eastern side of the facility, and consists primarily of PCE and its degradation products. The localized source areas appear to be the former PCE tank, the general vicinity of the loading dock, and an area about 50 feet

southeast of the loading dock (see Figures 2 and 3). The water table is approximately 3 to 9 feet below ground surface in these source areas, depending on the location and season.

The extent of the soil contamination appears to be confined to the property, essentially bounded by the railroad tracks on the west and the building on the east.

Section 3
Construction Documentation Report Information Under NR 724.15

3.1 Description of Remedial Action

The project construction began with the completion of preconstruction activities, prior to actual construction. The soil remedial option constructed is *in situ* soil vapor extraction (ISVE). A soil-conditioning step was included to increase the soil permeability, and thus the effectiveness of the ISVE in the shallow silt and clay soil, which otherwise would not be amenable to effective treatment via ISVE. The soil-conditioning step was accomplished through the mixing of lime into the soil matrix using standard excavation equipment to the approximate depth of the low groundwater level, as determined from soil color observations (the horizon between oxidized and unoxidized soil and water seepage in the excavations. The soil remediation project was conducted within the approximate boundaries of the areas containing soil that are of concern for direct contact, which includes ingestion and dust inhalation.

The actual construction of the soil amendment and the installation of the ISVE system began on October 10, 2006, and was largely completed by December 5, 2006. The project was shut down temporarily during the winter weather, and the final grading of the soil was completed in mid-March 2007. However, a gravel roadway was completed in mid-January 2007 over the northern portion of the area, to accommodate access to a bay door, through a contract directly between the facility owner and Hausz Bros, Inc. A second gravel road was completed in mid-March 2007 to the south bay door, when final grading was completed. A.W. Oakes, Inc., was RMT's construction contractor for both the soil amendment and the installation of the ISVE system, both under RMT's construction oversight.

3.2 Preconstruction Activities

- ***Assessment of building foundation, railroad track concerns, and underground piping*** - Since the contaminated soil is adjacent to both the railroad tracks and the building, some setbacks were established. RMT was not working on or within railroad property rights-of-way or easements. For the building setback, RMT was generally able to work within 2 feet of the facility building. Much of this portion of the facility is an elevated platform, so building foundation issues were not a concern.

Issues associated with the existing gas line and storm water line were also evaluated. Both were left in place during the soil amendment. Lateral piping and catch basins to the storm water piping were replaced in-kind, if damaged during construction. Additional subsurface features were encountered during excavation, which are described further below.

- ***Assessment of construction logistics*** - Discussions with the current building tenant/owner occurred regarding construction sequencing, construction space requirements, health and safety considerations, and scheduling of remedial activities, with respect to their current operations. In addition, RMT arranged for access to power, water, and restroom facilities during the course of the construction work. Originally, it was thought the soil conditioning and the SVE piping installation would take approximately 15 to 20 days to complete; but weather delays, construction-related delays due to subsurface features, and material delivery delays extended the project time period to approximately 29 days. Further, additional time was spent after this period with the installation of two gravel roadways to provide dock access and then final grading in March 2007.
- ***Health and Safety Plan development*** - A Health and Safety Plan (HASP) was prepared for the protection of RMT personnel. The HASP addressed the potential risks at the site and the necessary health and safety procedures (including the groundwater monitoring completed).
- ***Utility locating and site visit*** - Utilities were located coming onto the site so as to avoid any risk of damage or injury during the construction activities. RMT contacted the local utility marker (Digger's Hotline) prior to construction.

  The RMT design engineer and construction manager visited the site to review the project objectives, review the site layout, evaluate utility issues, and assess construction issues with respect to the items above, prior to the initiation of construction activities.

3.3 Construction Implementation

- ***Soil conditioning*** - Backhoe equipment was mobilized to the site to conduct the soil conditioning to a depth varying from 6 feet (north) to 10 feet (south). Depth to groundwater is greater toward the southern end of the area. The total area of soil amendment is presented on Figure 3, reflecting the lateral extent of soil contamination based on previous investigations. During soil conditioning, only a small area of excavation was open at any given time; effectively, an area on the order of 10 feet by 15 feet or smaller. The total area to be conditioned over the period of a working day was typically about 40 feet by 40 feet, but only a portion of this area was open at any given time, as described above. The excavated soil was stockpiled adjacent to the small excavation, and then the lime soil conditioning process was completed using the backhoe equipment, mixing the soil until large clumps were eliminated. The excavated soil was kept within the area of contaminated soil during the soil amendment process. The lime conditioning product was

stockpiled on-site under cover. The total area of soil conditioning covered approximately 30,000 sq ft.

In total, 364, 520 pounds of lime were delivered to the site and incorporated into the soil conditioning. In total, the approximate amount of conditioned soil was 196,479 cubic feet (7,277 cubic yards). The soil conditioning included the mixing in of a lime product at a bulk concentration of nearly 2 percent by weight of soil during excavation and soil conditioning, assuming a soil density of 2,700 pounds per cubic yard. The amount of lime product used was based on experience and professional judgment for conditioning the soil sufficiently.

The depth of excavation for soil conditioning varied with observations within the excavation for soil staining (due to the smear zone) and the depth of groundwater in the nearby water table wells. Excavation at the southern end of the area averaged about 9 feet below ground surface. As the water table depth becomes shallower to the northern end, the depth of excavation gradually came up to about 6 feet below ground surface. The duration of the soil conditioning was approximately 15 days (October 10 through October 30), followed by rough grading, underground pipe repair, and then SVE system installation.

- ***ISVE installation*** - After soil conditioning was completed and the site was rough-graded, the *in situ* soil vapor extraction system (ISVE) was installed based on the proposed design (see Figure 4 for the as-built system piping layout). Because the soil was disturbed during excavating, soil conditioning, and soil backfilling, these operations afforded the opportunity to place a horizontal ISVE piping system in the ground. The system consists of the following components:
  - PVC piping 4 inches in diameter placed horizontally within the area at a depth of approximately 4 feet below ground surface
  - Aboveground header piping connecting the belowground piping network to the blower
  - Attachment to a blower to create the system vacuum
  - Condensate knockout tank
  - System controls, including knockout tank high level shutoff, air dilution valve, extraction vacuum gauges, header line temperature gauge, and system pressure relief valve
  - A carbon treatment system fitted to the system exhaust, to limit the amount of organic compounds emitted to the atmosphere to below state standards

  The system was installed by excavating a 2-foot backhoe width to depth and laying the pipe. The piping connections were fusion-welded. The overall soil remediation area was divided into five zones (A – E) for independent remedial control. Each zone was provided with its own perforated vacuum laterals (spaced as described below) and a main solid-wall

carrier pipe. Each of the five carrier pipes was connected from its respective zone lateral to a manifold pipe that was directly connected to the ISVE blower system. Each carrier pipe has an isolation valve and a sample port located at the manifold. The flow rates from all five zones are monitored by a Lambda "Oripak" Orifice plate flow meter located at the blower inlet.

According to the RMT construction manager, the depth of the piping is approximately 4.5 feet below original ground surface in the southern portion of the system, where groundwater is deeper, and rises to a depth of about 3 to 4 feet below ground surface to the north. The system was not set higher owing to concerns for frost heave, semitrailer truck traffic, and the vacuuming of atmospheric air into the system.

During installation of the ISVE piping in Zone B, there was substantial water flowing from the backfill around the 20- to 24-inch storm water sewer pipe. This may be a result of a leaking conveyance pipe and may be contributing to high groundwater levels at well MW-3 after storm events.

The pipe spacing is 20 feet on center, based on experience and best professional judgment. The pipe size (4-inch–diameter) was determined using calculations that account for friction loss at design maximum and normal airflow rates, such that it could achieve adequate vacuum influence on the entire manifold lengths.

The duration of the ISVE piping installation was approximately 12 days (November 27, to December 12, 2006).

RMT mobilized a trailer-mounted blower system to the site for connection to the piping system. The trailer contains the system components and the electrical controls (see Figures 5 and 7 for the system components and process flow diagram of the ISVE system).

- ***Underground features*** – The following underground features were encountered during excavation:

FEATURE	GENERAL LOCATION	COMMENTS
12-foot by 12-foot by 3-foot concrete block	Northwestern corner of site near MW-4; south of AST saddle	Left in place
Two pipes (1 and 2 inches in diameter) from former tank saddle area	Northwestern corner of site near MW-4; run south of AST saddle toward building	Removed
Natural gas line	Transects northern portion	Left in place
Buried curb and gutter	South-central area near storm sewer catch basin	Removed
6-inch terra cotta pipe	South-central area near storm sewer catch basin	Repaired

FEATURE	GENERAL LOCATION	COMMENTS
Storm water catch basin	Between loading docks #1 and #2, east of well MW-3	Much water from sewer backfill noted near Zone B of ISVE system; replaced
6-inch–diameter PVC storm drain pipe	Southern portion of site near loading dock	Replaced in kind
4-inch–diameter steel pipe	RR track to loading dock #2, 3 feet bgs w/ valve	Left in place
Two 6-inch–diameter cast iron drain pipes	From building to 24-inch–diameter sewer pipe near MW-3, from old furnace room in building	Southernmost pipe replaced in kind; northernmost pipe was plugged and not repaired
12-inch–diameter cement drain grate	Near loading dock #2	Replaced
12-inch–diameter cement drain pipe	Near loading dock #2; appeared to be abandoned	Removed and replaced in kind
Old RR spur tracks	Adjacent to loading dock	Ties and track removed
4-inch–diameter steel pipe	RR track to loading dock #2, 3 feet bgs w/ valve	Left in place
Storm water catch basin	At junction of 20 to 24-inch storm water sewer	Replaced
12-inch–diameter terra cotta pipe	North of MW-3; running parallel with building	Removed, not replaced

These underground features are located on Figure 4.

- ***Site restoration*** - After the soil conditioning and the installation of the ISVE system, the site surface was restored to a flat surface, although the grade was somewhat higher as a result of the soil conditioning and excavation. As mentioned above, two gravel roads were constructed at the site (see Figure 2 for approximate location).
- ***Investigation-derived waste disposal*** - Incidental wastes related to the construction work were managed appropriately for disposal. Waste materials such as soiled gloves, rags, or other materials that came into contact with the wastes were drummed and disposed through a licensed disposal facility. No soil or groundwater wastes were created during the soil conditioning and ISVE system installation.

Section 4
As-built Certification and Plan Changes

The system was constructed as proposed in the design plan, with the following minor exceptions:

- The piping was laid in trenches after completion of the soil conditioning, instead of concurrent, for more efficient construction sequencing.

Section 5
Treatability Information

No treatability studies or pilot studies were conducted for this project. ISVE is known to remediate VOCs in soil. Sampling of the ISVE exhaust after carbon treatment during the initial days of operation will be conducted to test for emission levels.

Section 6
Permits Listing

This remediation project was conducted on privately-owned property. No applicable local, state, or federal permits were needed for this project concerning the soil remediation. Air emissions will be controlled from the ISVE system exhaust, such that an air permit is not needed.

Section 7
Public Health and Environmental Laws

The ISVE project was implemented in compliance with environmental laws and standards. Specifically, the media of concern with respect to this project is soil. Pursuant to the standards in NR 722.19 (direct contact with contaminated soil), the soil cleanup will be conducted in compliance with regulations in NR 724 and NR 726.

Section 8
System Startup/Shakedown and Operation/Maintenance

After ISVE system installation, groundwater levels in late December/early January of 2007 were at record highs as a result of unseasonal above-freezing weather and infiltration, raising the water table (approximately 3 ft bgs in well MW3) to an elevation above the ISVE piping (3 to 4 ft bgs). Startup will commence when water levels drop within historical levels that will allow the ISVE system to operate, which is expected to be in summer 2007. The table below indicates the current water levels at the site since completion of the ISVE system installation.

DB Oaks Facility - Monitoring Well Water Elevation Data

WELL NO.	DEPTH TO BOTTOM OF WELL				
	MW-3	MW-3A	MW-3B	MW-4	MW-4A
	15.5'	48.7'	83'	17'	41'
	DEPTH TO WATER				
DATE/TIME	MW-3	MW-3A	MW-3B	MW-4	MW-4A
10/10/06	NM	NM	NM	7.66	NM
11/02/06	7.04	10.58	10.54	NM	NM
12/13/06	5.05'	10.19'	10.20'	6.65'	6.52'
12/14/06	5.00'	10.19'	10.20'	6.65'	6.52'
12/15/06	5.00'	10.19'	10.20'	6.65'	6.52'
12/18/06	5.32'	10.29'	10.32'	6.89'	6.99'
12/27/06	5.17'	9.97'	10.01'	6.63'	6.75'
01/05/07	5.16'	10.15'	10.16'	6.85'	6.95'
01/11/07	5.48'	10.33'	10.34'	7.09'	7.19'
01/18/07	5.57'	10.55'	10.57'	7.23'	7.35'
01/25/07	5.70'	10.77'	10.79'	NM	NM
02/01/07	5.77'	10.94'	10.97'	NM	NM
02/15/07	5.94'	11.34'	11.36'	NM	NM
03/09/07	5.50'	11.24'	11.26'	NM	NM

Notes:
Depth to water and depth to bottom of well measurements are from top of PVC.
NM = not measured.
DTW = depth to water.
DTB = depth to bottom of well.

Section 9
Long-term Monitoring Plan Under NR 724.17

After system startup, the ISVE system will not need a long-term monitoring plan, since the performance monitoring will determine when the project has achieved cleanup goals. System monitoring will continue until performance monitoring indicates that the system can be shut down.

Section 10
NR 716 Continuing Water Quality Evaluation

This section describes the results of the water quality sampling at the MW-3 monitoring well nest completed on November 2, 2006, at the DB Oaks facility in Fort Atkinson, Wisconsin. The water quality testing was conducted at the MW-3 well nest to further evaluate whether the VOCs previously detected in well MW-3B have similar chemistry to those of the last sampling in March 2006. In addition, a second round of sampling was collected at each of the other two new wells (MW-7 and MW-7A) on the site. The scope of work included the following steps:

- Each of the five wells was purged of three casing volumes of water.
- Water quality samples from each of the wells were collected, using low-flow sampling methods, for laboratory VOC analysis; and field measurements were collected for pH, redox, dissolved oxygen, temperature, and specific conductivity.
- Purge water was barreled and then temporarily stored on-site awaiting pick-up and treatment/disposal.

The laboratory analytical results, chain of custody, and field data sheets are presented in Appendix A.

Well nest MW-3 (including wells MW-3, MW-3A and MW-3B) is located near a truck dock, in a source area of VOCs to the groundwater. Monitoring well MW-7 is located at the southwestern edge of the property, potentially downgradient from the VOC source areas. Monitoring well MW-3B is installed to a depth of approximately 81 feet into a sand unit, and is screened just beneath an approximately 15-foot–thick silt layer (61.5 to 77 ft bgs). Well MW-3B has substantial VOC concentration at depth, but shows no degradation products like the overlying sample from well MW-3A, based on the March 28, 2006, sample results (see table below).

March 28, 2006, Groundwater Quality Data

WELL/CVOC[1]	PCE	TCE	CIS-1,2-DCE	VC	TOTAL VOCs
MW-3	28,000	7,200	3500	ND	38,700
MW-3A	4,200	2,900	12,000	740	20,370[2]
MW-3B	17,000	2,800	600	ND	22,310[2]
MW-4	5,400	38,000	ND	ND	43,980[2]
MW-4A	6.9	0.97J	0.29J	ND	8.59[2]

Notes:
[1] Units are in µg/L.
[2] Total VOCs include additional parameters in columns not shown.
J – detected above Limit of Detection, but below Limit of Quantitation.

Further, the chemical "fingerprint" of the MW-3B sample is similar to that of the shallow well MW-3 sample. The total VOC concentration at well MW-3B is slightly more than that of MW-3A, suggesting that no attenuation is taking place across the silt layer. The water quality at the further upgradient source near MW-4 (TCE dominant) does not match the water quality at MW-3B (PCE dominant), so the source area at MW4 is not responsible for the contamination at MW-3B. Combined, these data suggest that the contamination in well MW-3B may have been carried down from the shallow groundwater, which is an inherent risk in drilling through a contaminant source area. Additional sampling of MW-3 was conducted to assess water quality conditions at this well, as described below.

The November 2, 2006, groundwater quality results are presented in the following table :

November 2, 2006, Groundwater Quality Data

WELL DESIGNATION	PCE	TCE	CIS-1,2-DCE	VC	TOTAL VOCs(1)
MW-7	4.9	1.4	<0.83	<0.18	6.3
MW-7A	560	180	290	<1.8	1,030
MW-3	22,000	5,100	3,000	79	30,179
MW-3A	1,700	1,900	14,000	580	18,180
MW-3B	9,700	1,800	400	<22	11,190

Notes:
(1) Only includes VOCs presented in table; all results are in µg/L.

Similar to the earlier sampling data, the November 2, 2006, data indicate that VOCs present in the sample from well MW3B are similar in the proportion of PCE and daughter products to the sample from water table well MW-3. In contrast, the mid-level well MW-3A has relatively little PCE and a substantial amount of cis-1,2 DCE compared to either the shallow or the deep well in this nest.

The total VOC concentrations in wells MW3A (20,370 µg/L) and MW3B (22,310 µg/L) were similar to the previous sampling. However, the November 2, 2006, data indicate that the MW-3B total VOC concentration (11,900 µg/L) is approximately half of that at MW-3A (18,180 µg/L). Further, the November 2, 2006, concentration is approximately half that of the previous sampling results.

The geology and the direction of groundwater flow were evaluated, to determine if they had any bearing on the water quality results at MW-3B. According to Newfields (2006), the geology is described as having a "surficial fine-grained unit consisting of interbedded clays, silts and clayey sand. This unit extends from the surface to depths varying from approximately 10 feet on the north side of the property (the MW-4 well nest) to about 30 feet on the south side (the MW-2 well nest)" and to 13 ft at MW-7 to the north (see Figure 6) . This fine-grained soil is in turn underlain by highly permeable outwash and till sands across the site to approximately 40

to 45 feet below ground surface. At MW-3, the deepest boring on the site,"...interbedded clay/silt and silty sand...was encountered from 40 to 61 feet, underlain by silt to 77 feet, and slightly silty sand to the maximum depth of 80 feet." (Newfields 2006). Groundwater flow across the site is to the south-southwest at the water table and at depth, according to Newfields (2006).

Two lines of evidence can be assessed with respect to geology and the direction of groundwater flow when evaluating the water quality at well MW-3B and the potential for short-circuiting between shallow contamination and the deep well. First, the silt layer between 61 and 77 feet bgs at MW-3B might have been expected to be more effective in limiting the migration of VOCs across its 16-foot thickness to the screened interval, assuming that the layer is continuous and competent. However, given that the total VOC concentration in well MW-3B is still about a third of MW-3 (water table well), this suggests that the silt layer may not be continuous and competent or another explanation is necessary, such as short circuiting VOCs to the depth of MW-3B. Short-circuiting could occur either through the carrydown of VOCs from shallower depths during well installation, or from the ongoing VOC migration down the annular space of the well.

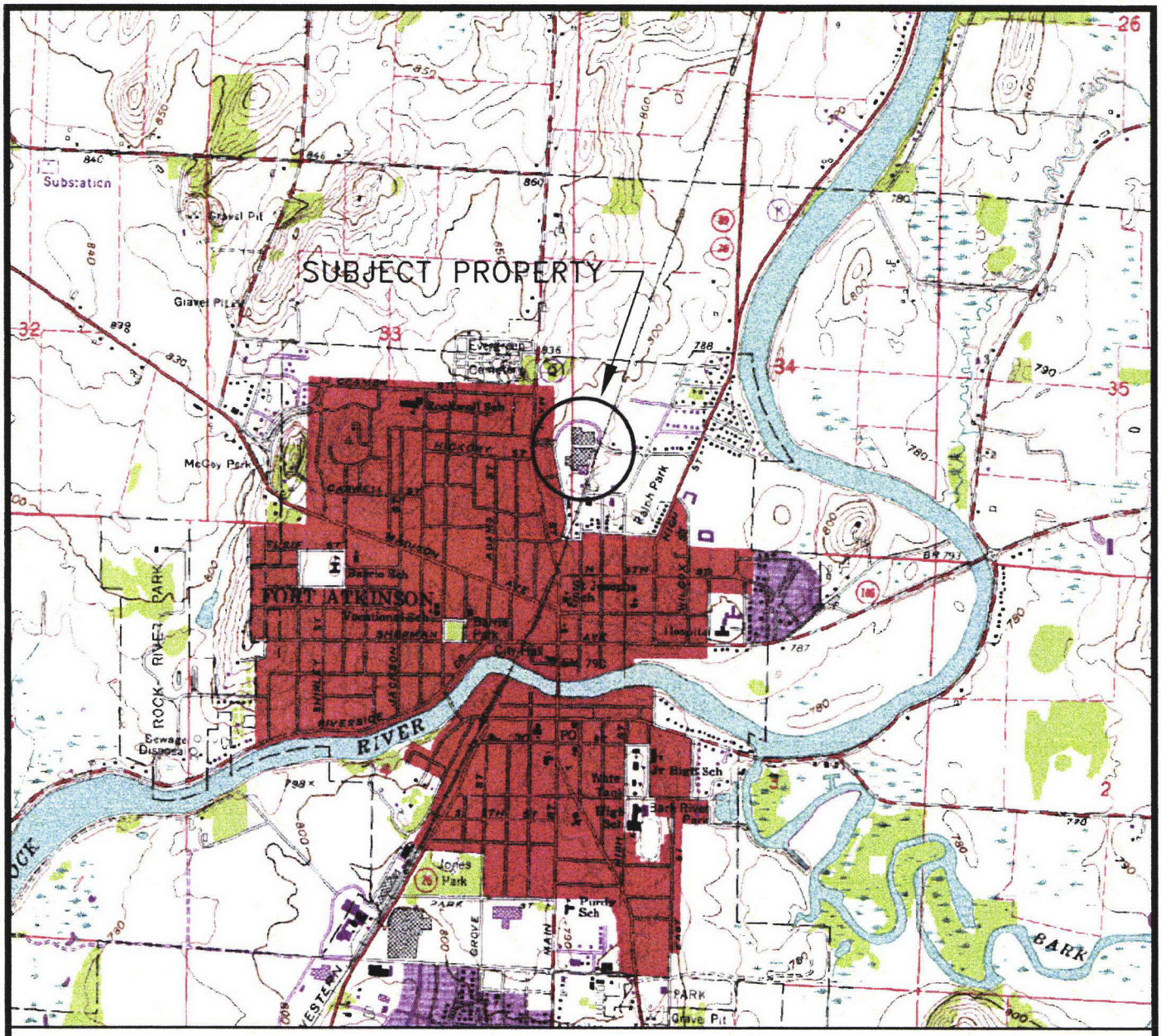
Second, given the groundwater flow direction at the site (generally north to south), an upgradient source of relatively unattenuated PCE (i.e., relatively low concentrations of daughter products) seems unlikely, since upgradient well MW-4 is primarily TCE and well MW-4A has less than 10 µg/L total VOCs in March 2006. Therefore, the only known source of VOCs with predominantly PCE is from the vicinity of MW-3. Further, there are only weak downward vertical gradients (0.002) across the silt layer, based on the March 2006 data, so this does not appear to be a driving force.

The data collected to date are not definitive enough to determine the origin of the VOCs in well MW-3B. Additional water quality monitoring over time is necessary, perhaps along with other testing methods, to interpret the water quality observations and the fate of this well.

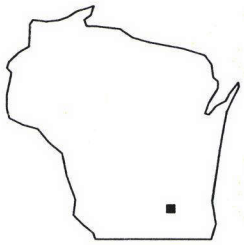
The water quality results for MW-7 and MW-7A indicate that the VOC concentration is greater at depth (40 to 45 ft bgs) at well MW-7A than at the water table (approximately 10 ft bgs). The VOCs are primarily PCE, with daughter products TCE and 1,2-DCE.

Additional monitoring will be discussed with the WDNR prior to development of a plan for the installation of additional monitoring wells.

FIGURES



BASE MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE, FORT ATKINSON, WISCONSIN, DATED 1987.



QUADRANGLE LOCATION

NORTH
SCALE: 1"=2400'

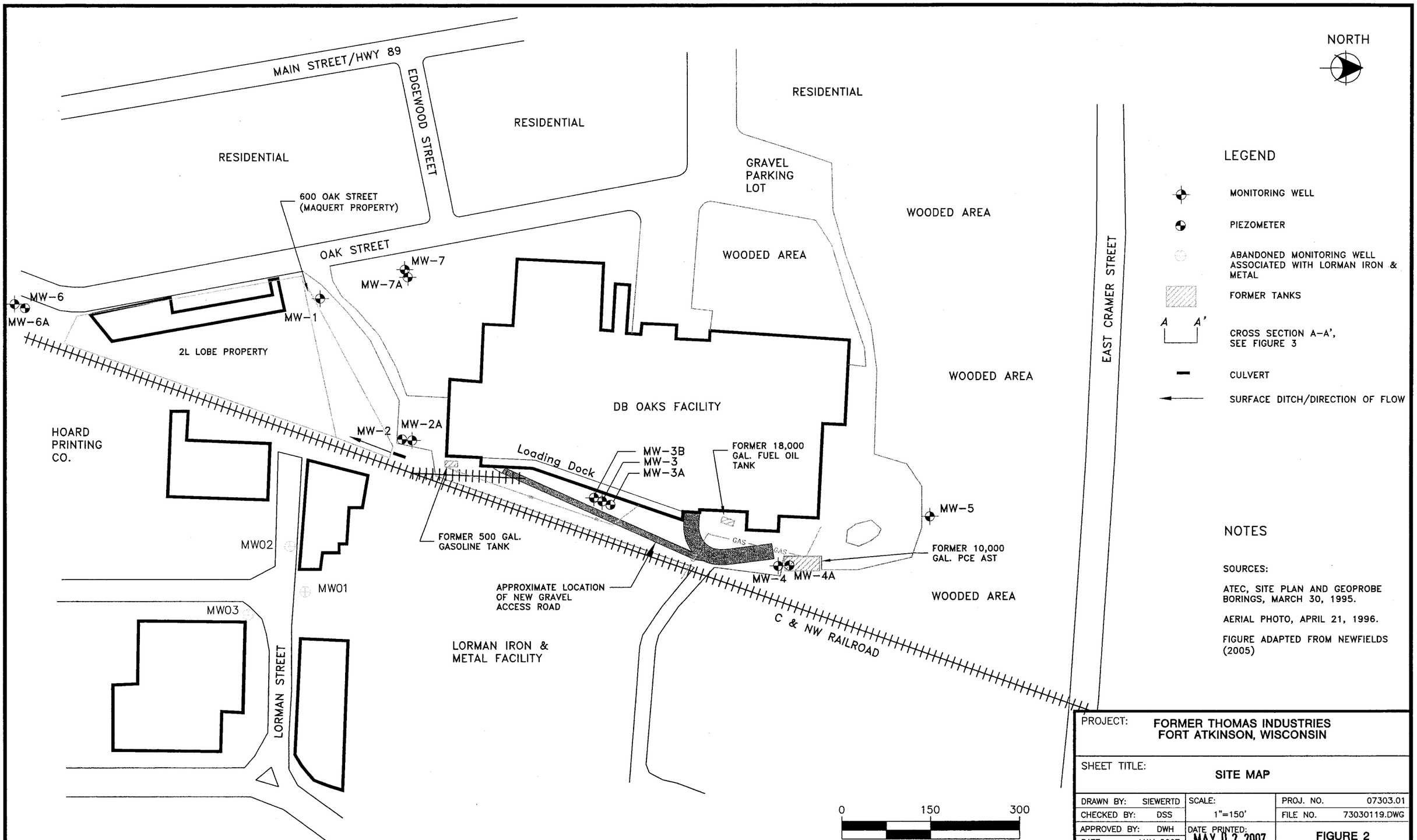
NOTE: FIGURE ADAPTED FROM NEWFIELDS (2005)

RMT

FORMER THOMAS FACILITY
FORT ATKINSON, WISCONSIN

SITE LOCATION
FIGURE 1

DRAWN BY:	SIEWERTD
APPROVED BY:	DWH
PROJECT NO.	07303.01
FILE NO.	73030102.DWG
DATE:	APRIL 2007



LEGEND

- MONITORING WELL
- PIEZOMETER
- ABANDONED MONITORING WELL ASSOCIATED WITH LORMAN IRON & METAL
- FORMER TANKS
- A A' — CROSS SECTION A–A', SEE FIGURE 3
- CULVERT
- SURFACE DITCH/DIRECTION OF FLOW

NOTES

SOURCES:

ATEC, SITE PLAN AND GEOPROBE BORINGS, MARCH 30, 1995.

AERIAL PHOTO, APRIL 21, 1996.

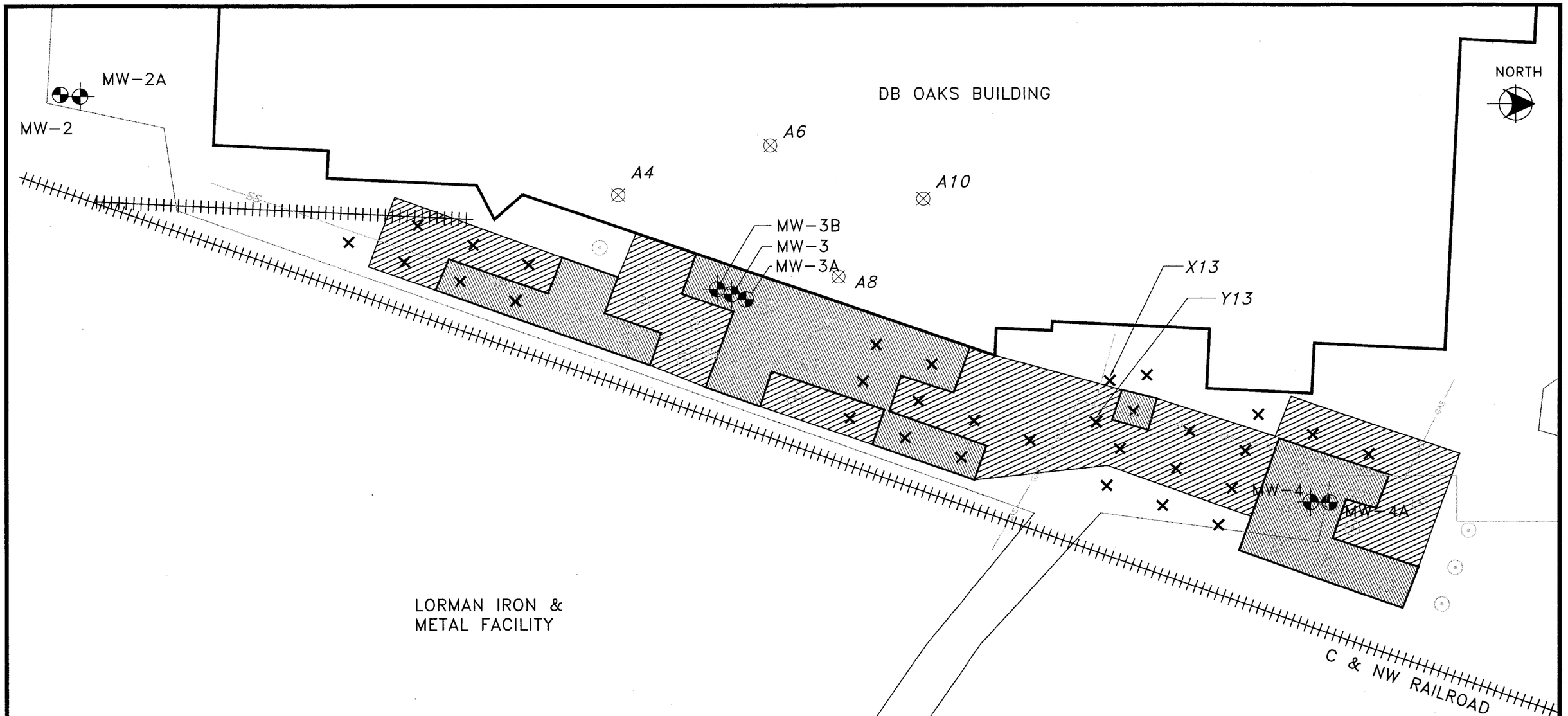
FIGURE ADAPTED FROM NEWFIELDS (2005)

PROJECT: **FORMER THOMAS INDUSTRIES FORT ATKINSON, WISCONSIN**

SHEET TITLE: **SITE MAP**

DRAWN BY: SIEWERTD	SCALE: 1"=150'	PROJ. NO.	07303.01
CHECKED BY: DSS		FILE NO.	73030119.DWG
APPROVED BY: DWH	DATE PRINTED: MAY 0 2 2007	**FIGURE 2**	
DATE: MAY 2007			

RMT
744 Heartland Trail
Madison, WI 53717–1934
P.O. Box 8923 53708–8923
Phone: 608–831–4444
Fax: 608–831–3334



SOURCES:

ATEC, SITE PLAN AND GEOPROBE BORINGS, MARCH 30, 1995.

AERIAL PHOTO, APRIL 21, 1996.

FIGURE ADAPTED FROM NEWFIELDS (2005)

0 50 100

SCALE: 1" = 50'

SCALE IS APPROXIMATE

LEGEND

- INDOOR GEOPROBE BORING
- PRIMARY GEOPROBE BORING
- SECONDARY GEOPROBE BORING
- TOTAL VOC CONCENTRATION (10 PPM)
- TOTAL VOC CONCENTRATION (1 PPM)
- SS — STORM SEWER
- GAS — GAS LINE
- RAILROAD TRACKS

PROJECT: FORMER THOMAS INDUSTRIES
FORT ATKINSON, WISCONSIN

SHEET TITLE: LATERAL EXTENT OF SOIL CONTAMINATION

DRAWN BY: SIEWERTD	SCALE:	PROJ. NO.	07303.01
CHECKED BY: DSS	1"=50'	FILE NO.	73030111.DWG
APPROVED BY: DWH	DATE PRINTED:	FIGURE 3	
DATE: MAY 2007	MAY 0 2 2007		

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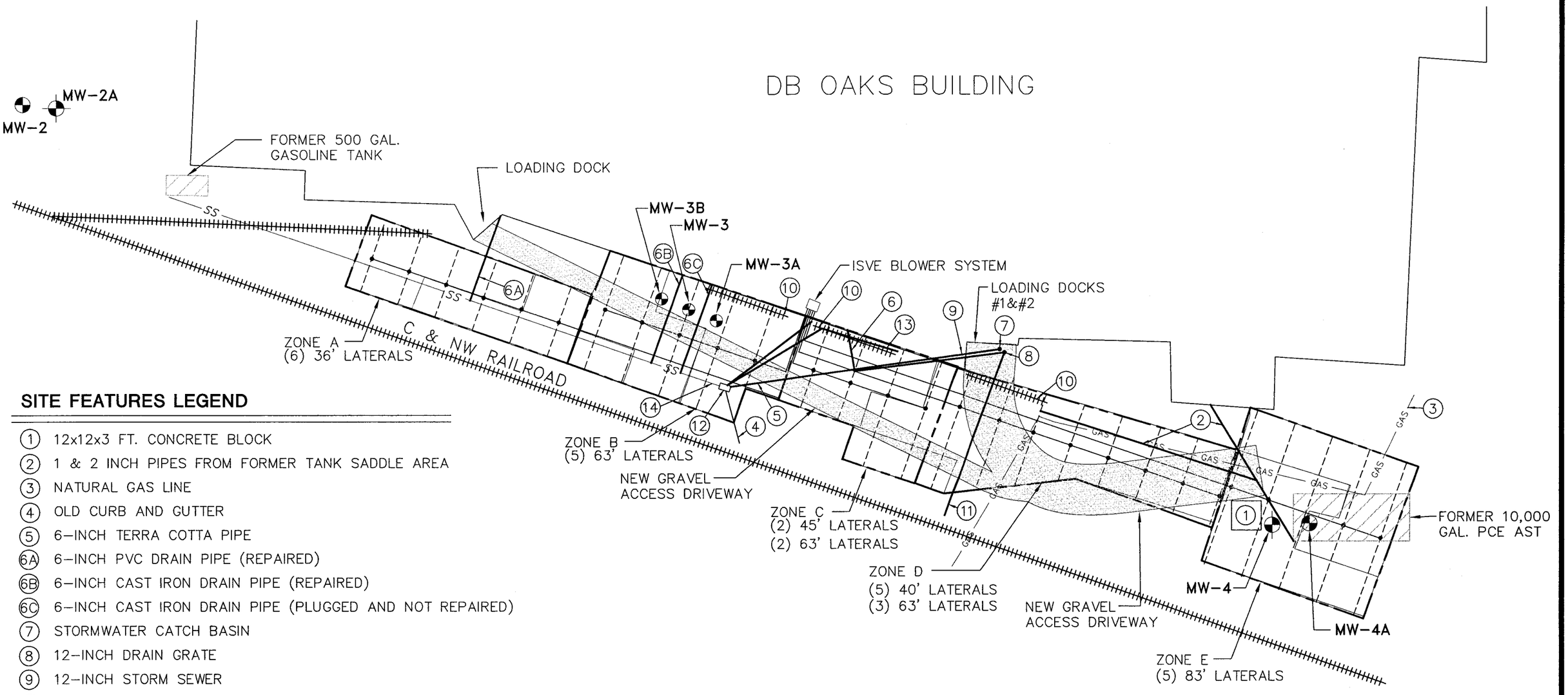
Fax: 608-831-3334



SITE FEATURES LEGEND

1. 12x12x3 FT. CONCRETE BLOCK
2. 1 & 2 INCH PIPES FROM FORMER TANK SADDLE AREA
3. NATURAL GAS LINE
4. OLD CURB AND GUTTER
5. 6-INCH TERRA COTTA PIPE
6A. 6-INCH PVC DRAIN PIPE (REPAIRED)
6B. 6-INCH CAST IRON DRAIN PIPE (REPAIRED)
6C. 6-INCH CAST IRON DRAIN PIPE (PLUGGED AND NOT REPAIRED)
7. STORMWATER CATCH BASIN
8. 12-INCH DRAIN GRATE
9. 12-INCH STORM SEWER
10. RR SPUR TRACKS
11. 4-INCH STEEL PIPE
12. STORMWATER CATCH BASIN
13. 12" CONCRETE STORMWATER DRAIN

SS — STORM SEWER

GAS — GAS LINE

RAILROAD TRACKS

NO.	BY	DATE	REVISION	APP'D.
3.				
2.				
1.				

PROJECT: DB OAKS FACILITY

SHEET TITLE: SVE SYSTEM & NEW STORMSEWER PIPING LAYOUT

DRAWN BY:	TAF	SCALE:	PROJ. NO. 07303.01
CHECKED BY:	DSS	NONE	FILE NO. 73030120.dwg
APPROVED BY:	DWH	DATE PRINTED:	FIGURE 4
DATE:	MAY 2007		

RMT MAY 0 2 2007

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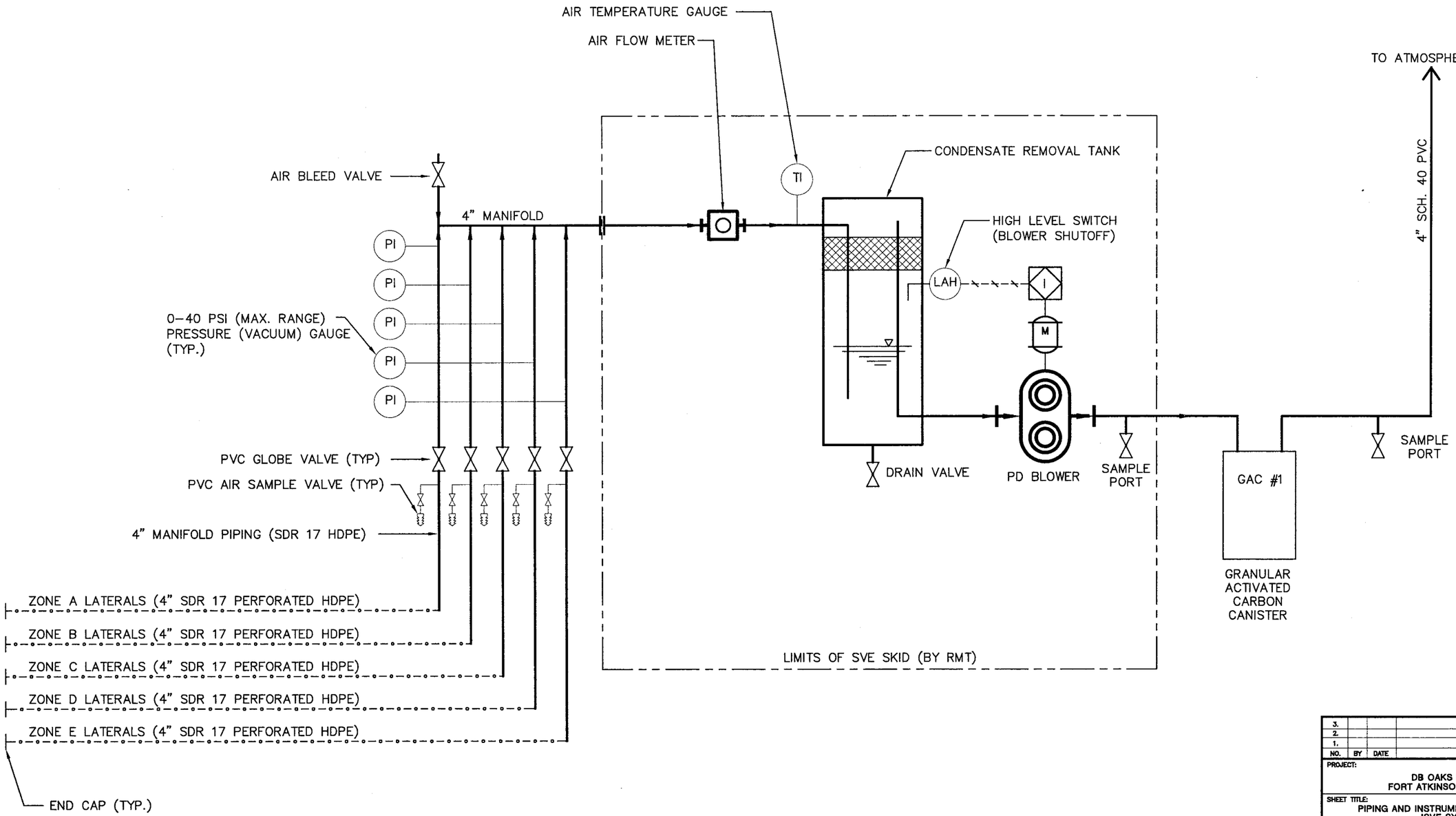
Fax: 608-831-3334



NO.	BY	DATE	REVISION	APP'D.
3.				
2.				
1.				

PROJECT:
DB OAKS FACILITY
FORT ATKINSON, WISCONSIN

SHEET TITLE:
PIPING AND INSTRUMENTATION DIAGRAM
ISVE SYSTEM

DRAWN BY: SIEWERTD	SCALE: NONE	PROJ. NO.	07303.01
CHECKED BY: DSS		FILE NO.	7303012.dwg
APPROVED BY: DWH	DATE PRINTED:	FIGURE 5	
DATE: MAY 2007			

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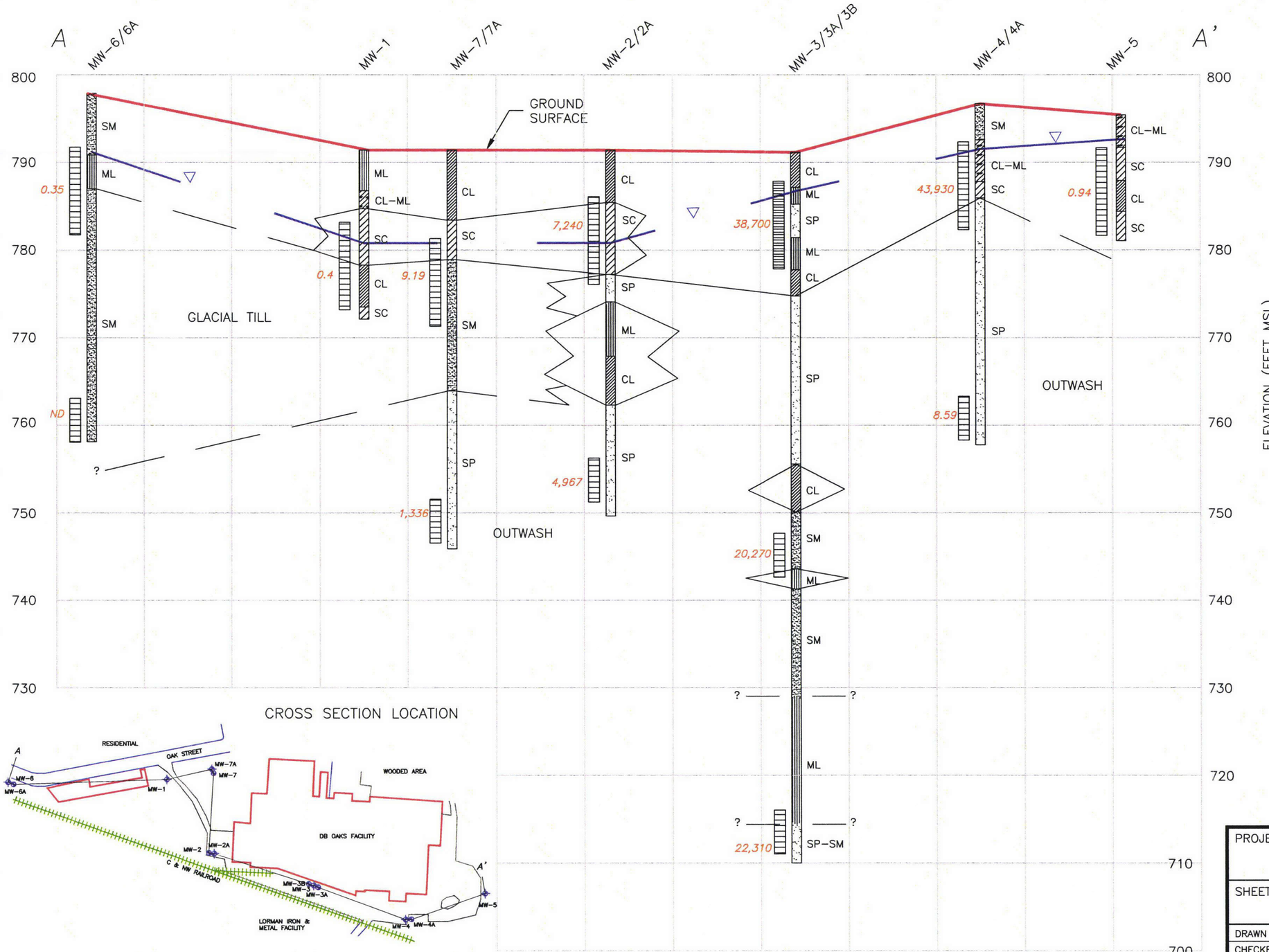
Phone: 608-831-4444
Fax: 608-831-3334



LEGEND:

- CLAY (CL)
- CLAY/SILT (CL-ML)
- SILT (ML)
- CLAYEY SAND (SC)
- SILTY SAND (SM)
- SAND (SP)
- MONITORING WELL/ PIEZOMETER SCREENED INTERVAL
- WATER LEVELS MEASURED MARCH 28, 2006.
- 579 TOTAL VOC CONCENTRATION (COLLECTED MARCH 28, 2006)

SCALE:

HORIZ. 1" = 200'
VERT. 1" = 12'

NOTE:

SOURCES:

FIGURE ADAPTED FROM NEWFIELDS (2006)

CROSS SECTION LOCATION

PROJECT:	**FORMER THOMAS INDUSTRIES FORT ATKINSON, WISCONSIN**		
SHEET TITLE:	**CROSS SECTION A-A'**		
DRAWN BY: METZA	SCALE:	PROJ. NO.	07303.01
CHECKED BY: DSS	1"=150'	FILE NO.	73030105.DWG
APPROVED BY: DWH	DATE PRINTED: MAY 0 2 2007	**FIGURE 6**	
DATE: MAY 2007			

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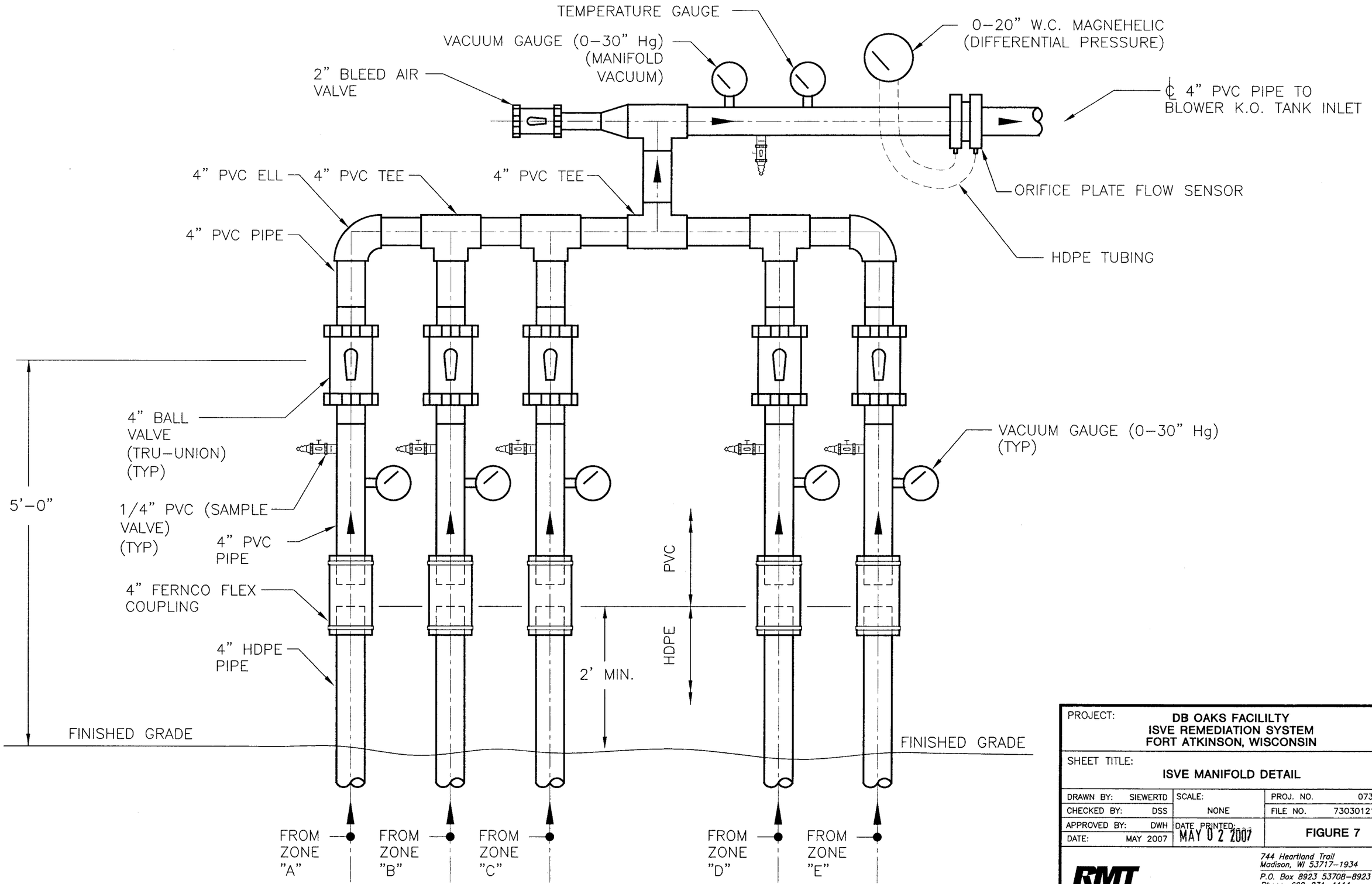
Fax: 608-831-3334



PROJECT: **DB OAKS FACILILTY**
ISVE REMEDIATION SYSTEM
FORT ATKINSON, WISCONSIN

SHEET TITLE: **ISVE MANIFOLD DETAIL**

DRAWN BY: SIEWERTD	SCALE:	PROJ. NO.	07303.01
CHECKED BY: DSS	NONE	FILE NO.	73030121.DWG
APPROVED BY: DWH	DATE PRINTED: MAY 0 2 2007	**FIGURE 7**	
DATE: MAY 2007			

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Fax: 608–831–3334

Appendix A
Water Quality Information

Tech 7303.02

PAGE _____ OF _____

RMT®

PROJECT NAME: Gardner Denver - DB Oaks

PROJECT NUMBER: 7303.02

PROJECT MANAGER: Dan Hall

SITE LOCATION: Ft. Atkinson, Wisconsin

DATES OF FIELDWORK: 11-2-06 TO 11-2-06

PURPOSE OF FIELDWORK: gw sampling MW-3 and MW-7 nests

WORK PERFORMED BY: T. Clausen
Troy Clausen

Troy C 11-2-06

SIGNED DATE

CHECKED BY DATE

REVISED 07/2005

1

METER CALIBRATION LOG

PROJECT NAME: Gardner Denver - D13 Oaks DATE: 11-2-06

PROJECT NUMBER: 7303.02 SAMPLER: T. Clausen

MODEL: Geotech P3 SERIAL NO.:

pH METER

Meter Check	Buffer Check	Asymmetry (mV)	Slope (mV/pH)	Time
✓	4✓ 7✓	-5	-56.7	8:34
Check pH 4	4: 4.13	—	—	13:16
Check pH 7	7: 7.04	—	—	13:19

Buffer Lot Numbers: pH 4: 6125 pH 7: 6080 Admissible Asymmetry Range: ±30 mV Slope: -50 to -62 mV/pH

CONDUCTIVITY METER

Temp. of Calibration Soln	Corrected Cond. @ 25°C	Time
3.5°	1328	8:34
3.0	1458	13:18

Calibration Solution Lot Number: 1604213

Calibration Range for Solution ~~1412 ±1 µmhos/cm @25°C~~

REDOX METER

Temp C°	E_H Reading (mV)	Time
	249	8:28
	243	13:16

Calibration Solution Lot Number: 04E97.53

Calibration Range for Solution 225 – 250 mV

D.O. Meter

Relative Slope	Time

Permissible Range 0.6 to 1.25

Problems/Corrective Actions: _____

Signed _____ Date 11-2-06 QC'd By _____ Date _____

F-185 (REV 01/97)

RMT

WATER SAMPLE LOG

PROJECT NAME: Gardner Denver - DB Oaks	PREPARED		CHECKED	
PROJECT NUMBER: 7303.02	BY: THC	DATE: 11-2-06	BY:	DATE:

SAMPLE ID: MW-7 | WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☒ PVC ☐ SS ☐ IRON ☐ OTHER

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:

PURGE METHOD: ☒ PUMP peristaltic ☐ BAILER

DEPTH TO WATER: 11.89 T/ PVC

DEPTH TO BOTTOM NM T/ PVC

tube into ~14ft bgs

WELL VOLUME: _____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS

COLOR: Colorless ODOR: _____

TURBIDITY: _____

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

SAMPLE	TIME: 9:07	DATE: 11-2-06

PH: 7.02 SU CONDUCTIVITY: 804 umhos/cm

ORP: 155 mv DO: 1.0 mg/L

TURBIDITY: _____ NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.8 °C OTHER: _____

COLOR: colorless ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: _____ FILTRATE ODOR: _____

QC SAMPLE: ~~☐ MS/MSD ☐ DUP~~

COMMENTS:

~500 ml/min ~600 ml/min ?

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
8:47	NR	6.53	852	180	NR	NR	12.3	11.89	INITIAL
8:50	320	6.90	808	170			11.9	11.99	~1.5
8:53	320	6.96	808	160			12.0	11.91	
8:55	320	6.98	807	156			12.0	11.91	
9:00	320	7.00	808	153			12.1	11.91	
9:03	320	7.01	805	154			12.1	11.91	
9:07	~	7.02	804	155	1.0		11.8	11.91	

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 ORP: +/- 10 D.O.: +/- 10 TURB: +/- 10 OR </= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40ml	VOA	E	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier	DATE SHIPPED: 11-3-06	AIRBILL NUMBER: n/a
COC NUMBER: PACE 1974085	SIGNATURE: [signature]	DATE SIGNED: 11-2-06

3

RMT

WATER SAMPLE LOG

PROJECT NAME: Gardner Denver - DB Oaks	PREPARED	CHECKED
PROJECT NUMBER: 7303.02	BY: THC DATE: 11-2-06	BY: DATE:

SAMPLE ID: MW-7A | WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [X] PVC [ ] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 9:36	DATE: 11-2-06

PURGE METHOD: [X] PUMP peristaltic [ ] BAILER

DEPTH TO WATER: 11.68 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: _____ [ ] LITERS [ ] GALLONS

VOLUME REMOVED: _____ [ ] LITERS [ ] GALLONS

COLOR: Colorless ODOR: _____

TURBIDITY: _____

[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

DISPOSAL METHOD [ ] GROUND [X] DRUM [ ] OTHER

SAMPLE	TIME: 9:51	DATE: 11-2-06

PH: 7.15 SU CONDUCTIVITY: 763 umhos/cm

ORP: 148 mv DO: 0.9 mg/L

TURBIDITY: _____ NTU

[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

TEMPERATURE: 10.9 °C OTHER: _____

COLOR: colorless ODOR: none

FILTRATE (0.45 um) [ ] YES [X] NO

FILTRATE COLOR: _____ FILTRATE ODOR: _____

QC SAMPLE: [ ] ~~MS/MSD~~ [ ] ~~DUP~~

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
9:36 → ~~9:36~~	400	7.28	712	154	NR	NR	10.8	11.68	INITIAL
9:39 → 9:39	400	7.18	711	153			10.9	11.71	
9:42	400	7.17	740	152			10.9	11.71	
9:45	400	7.15	761	151			11.0	11.71	
9:48	400	7.15	761	149			10.9	11.71	
9:51	400	7.15	763	148	0.9		10.9	11.71	

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 ORP: +/- 10 D.O.: +/- 10 TURB: +/- 10 OR <= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED		PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____						
NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40ml	VOA	E	[ ] Y [X] N					[ ] Y [ ] N
				[ ] Y [ ] N					[ ] Y [ ] N
				[ ] Y [ ] N					[ ] Y [ ] N

SHIPPING METHOD: Courier DATE SHIPPED: 11-3-06 AIRBILL NUMBER: n/a

COC NUMBER: PACE 0974084 SIGNATURE: Troy Ar DATE SIGNED: 11-2-06

RMT

WATER SAMPLE LOG

PROJECT NAME: Gardner Denver - DB Oaks	PREPARED	CHECKED
PROJECT NUMBER: 7303.02	BY: THC DATE: 11-2-06	BY: DATE:

SAMPLE ID: MW-~~38~~ 38 | WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☒ PVC ☐ SS ☐ IRON ☐ OTHER

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: ~~11:58~~ 11:17	DATE: 11-2-06

PURGE METHOD: ☒ PUMP peristaltic ☐ BAILER

DEPTH TO WATER: 10.58 T/ PVC

DEPTH TO BOTTOM ~85 T/ PVC

WELL VOLUME: _____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS

COLOR: colorless to lt. grey ODOR: none

TURBIDITY: _____

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

SAMPLE	TIME: 11:36	DATE: 11-2-06

PH: 7.27 SU CONDUCTIVITY: 742 umhos/cm

ORP: -10 mv DO: 0.4 mg/L

TURBIDITY: _____ NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.3 °C OTHER: _____

COLOR: colorless ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
11:17	NR	7.34	758	52	NR	NR	13.0	10.58	INITIAL
11:20	500	7.30	750	37			13.0	11.05	
11:23	500	7.28	746	17			13.0	11.06	
11:25	500	7.28	747	11			13.2	11.06	
11:27	500	7.27	744	5			13.3	11.06	
11:30	500	7.27	740	1			12.2	11.06	
11:32	500	7.27	740	-5			13.4	11.06	
11:34	500	7.27	739	-8			13.2	11.06	
11:36	500	7.27	742	-10	0.4		13.3	11.06	

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 ORP: +/- 10 D.O.: +/- 10 TURB: +/- 10 OR </= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40ml	VOA	E	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier DATE SHIPPED: 11-3-06 AIRBILL NUMBER: n/a

COC NUMBER PACE 0974084 SIGNATURE: [signature] DATE SIGNED: 11-2-06

RMT

WATER SAMPLE LOG

PROJECT NAME: Gardner Denver - DB Oaks	PREPARED		CHECKED	
PROJECT NUMBER: 7303.02	BY: THC	DATE: 11-2-06	BY:	DATE:

SAMPLE ID: MW-3A | WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☒ PVC ☐ SS ☐ IRON ☐ OTHER

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE: 11-2-06	SAMPLE	TIME: 12:31	DATE: 11-2-06

PURGE METHOD: ☒ PUMP peristaltic ☐ BAILER

DEPTH TO WATER: 10.54 T/ PVC

DEPTH TO BOTTOM: ~~NAA~~ T/ PVC

WELL VOLUME: _____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS

COLOR: colorless ODOR: none

TURBIDITY: _____

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

PH: 6.98 SU CONDUCTIVITY: 1126 umhos/cm

ORP: -96 mv DO: 0.4 mg/L

TURBIDITY: _____ NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.1 °C OTHER: _____

COLOR: colorless ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
12:04	440	7.04	1104	7	NR	NR	13.0	10.54	INITIAL
12:07	170	7.00	1098	-27			13.3	11.24	
12:10	320	6.98	1123	-49			13.0	11.00	
12:13	320	6.98	1117	-54			12.9	11.07	
12:17	320	6.98	1129	-72			13.1	11.10	
12:20	320	6.98	1130	-83			13.2	11.11	
12:24	320	6.98	1122	-89			13.1	11.12	
12:27	320	6.98	1124	-95			13.2	11.14	
12:31	320	6.98	1126	-96	0.4		13.1	11.15	

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 ORP: +/- 10 D.O.: +/- 10 TURB: +/- 10 OR </= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40ml	VOA	E	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier DATE SHIPPED: 11-3-06 AIRBILL NUMBER: n/a

COC NUMBER: PACE 0974084 SIGNATURE: [signature] DATE SIGNED: 11-2-06

WATER SAMPLE LOG

PROJECT NAME: Gardner Denver - DB Oaks	PREPARED		CHECKED	
PROJECT NUMBER: 7303.02	BY: THC	DATE: 11-2-06	BY:	DATE:

SAMPLE ID: MW-3 | WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER _____

WELL MATERIAL: ☒ PVC ☐ SS ☐ IRON ☐ OTHER _____

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER _____

PURGING	TIME: 12:45	DATE: 11-2-06	SAMPLE	TIME:	DATE: 11-2-06

PURGE METHOD: ☒ PUMP peristaltic ☐ BAILER _____

DEPTH TO WATER: 7.04 T/ PVC

DEPTH TO BOTTOM 15.5 T/ PVC

WELL VOLUME: _____ ☐ LITERS ☐ GALLONS

VOLUME REMOVED: _____ ☐ LITERS ☐ GALLONS

COLOR: V. lt. brown ODOR: none

TURBIDITY: _____

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

PH: 7.26 SU CONDUCTIVITY: 732 umhos/cm

ORP: -69 mv DO: 0.4 mg/L

TURBIDITY: _____ NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 13.4 °C OTHER: _____

COLOR: colorless ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
12:45	360	~~7.07~~	707	-69	NR	NR	~~8.4~~ 12.9	7.04	INITIAL
12:47	360	7.23 7.24	727	-70			13.0	7.20	
12:50	~~360~~ (240)	7.26	735	-70			13.2	7.27	
12:54	240	7.26	733	-65			13.1	7.28	
12:59	240	7.26	730	-66			13.2	7.32	
13:03	240	7.26	732	-69	0.4		13.4	7.35	

change to 240 ml/min

.08 .57

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 ORP: +/- 10 D.O.: +/- 10 TURB: +/- 10 OR </= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - _____

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 ml	VOA	E	☐ Y ☒ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N

SHIPPING METHOD: Courier DATE SHIPPED: 11-3-06 AIRBILL NUMBER: n/a

COC NUMBER: PALE 09740 84 SIGNATURE: Tony H DATE SIGNED: 11-2-06

7

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical®

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

0974084

Section A
Required Client Information:

Company	KMT
Address	744 Heartland Trl
	Madison WI 53717
Email To:	troy.clawson@kmt.c.com
Phone	[illegible] 4444
Fax	[illegible] 3334
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	Troy Clawson
Copy To:	Dan Hall
Purchase Order No.:	
Project Name:	[illegible] - DR Oaks
Project Number:	7[illegible].02

Section C
Invoice Information:

Attention:	acct. payable
Company Name:	KMT
Address:	744 Heartland Trl
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☒ Other ______

SITE LOCATION

☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC

☐ OH ☐ SC ☒ WI ☐ OTHER ______

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Filtered (Y/N): N

Requested Analysis: VOC

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION °C	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOC	Residual Chlorine (Y/N)	Pace Project Number Lab I.D
1	MW-7	WT	G	—	—	11-2-06	9:07	11.4	3				X					X		
2	MW-7A	WT	G	—	—	11-2-06	9:51	10.9	3				X					X		
3	MW-?B	WT	G	—	—	11-2-06	11:[illegible]	13.3	3				X					X		
4	MW-?A	WT	G	—	—	11-2-06	12:[illegible]	13.1	3				X					X		
5	MW-3	WT	G	—	—	11-2-06	13:03	12.4	3				X					X		
6	TRIP	—	—	—	—	—	—	—	2				X					X		
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Troy Clawson / KMT	11-2	15:[illegible]	KMT Cooler	11-2	15:4[illegible]

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Troy Clawson

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY):

SEE REVERSE SIDE FOR INSTRUCTIONS

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

0974084

Section A
Required Client Information:

Company: RMT
Address: 744 Heartland Trl.
Madison, WI 53717
Email To: troy.clausen@rmtinc.com
Phone: 608-831-4444 Fax: 608-831-3334
Requested Due Date/TAT:

Section B
Required Project Information:

Report To: Troy Clausen
Copy To: Dan Hall
Purchase Order No.:
Project Name: Gardner Denver - DB Oaks
Project Number: 7303.02

Section C
Invoice Information:

Attention: accts payable
Company Name: RMT
Address: 744 Heartland Trl.
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ Other

SITE LOCATION

☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☒WI ☐OTHER

Section D
Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / .-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION °C	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: VOCs 8260	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW-7	WT	G	—	—	11-2-06	9:07	11.8	3				X					N	X		878108 001 3-40z VOA
2	MW-7A	WT	G	—	—	11-2-06	9:51	10.9	3				X						X		002
3	MW-3B	WT	G	—	—	11-2-06	11:36	13.3	3				X						X		003
4	MW-3A	WT	G	—	—	11-2-06	12:31	13.1	3				X						X		004
5	MW-3	WT	G	—	—	11-2-06	13:03	13.4	3				X						X		005
6	TRIP	—	—	—	—	—	—	—	2				X						X		006 2
7																					
8																					
9																					
10																					
11																					
12																					

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible] RMT	11-2	15:40	RMT Cooler	11-2	15:40
	11/3/06		Fed Ex	11/4/06	0900
Fed Ex	11/4	0915	V Schmidt	11/4	0915

SAMPLE CONDITION

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
ROT	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Troy Clausen
SIGNATURE:
DATE Signed:

REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

Login Detail Report

Batch: 878108 **PM:** Tod Noltemeyer **Date Received:** 11/4/2006 9:15 **Logged:** 11/4/2006 **Submitter:** 40-001161

Sample No.	Sample Type	Sample ID	Date Sampled	Test Group ID	Test Group Description	Analytical Method	Preparation Method	Department	Due Date	Special Turn
878108-001	WATER	MW-7	11/02/06	8260+-W	VOLATILES	SW846 8260B	SW846 5030B	VOA	11/17/2006	
Comments:								**SampleRefID:**		
878108-002	WATER	MW-7A	11/02/06	8260+-W	VOLATILES	SW846 8260B	SW846 5030B	VOA	11/17/2006	
Comments:								**SampleRefID:**		
878108-003	WATER	MW-3B	11/02/06	8260+-W	VOLATILES	SW846 8260B	SW846 5030B	VOA	11/17/2006	
Comments:								**SampleRefID:**		
878108-004	WATER	MW-3A	11/02/06	8260+-W	VOLATILES	SW846 8260B	SW846 5030B	VOA	11/17/2006	
Comments:								**SampleRefID:**		
878108-005	WATER	MW-3	11/02/06	8260+-W	VOLATILES	SW846 8260B	SW846 5030B	VOA	11/17/2006	
Comments:								**SampleRefID:**		
878108-006	WATER	TRIP	11/02/06	8260+-W	VOLATILES	SW846 8260B	SW846 5030B	VOA	11/17/2006	
Comments:								**SampleRefID:**		

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11/06/06

Tally Sheet: 878108

Batch:	878108	**Client Proj. No:**	7303.02
Customer ID:	40-000656	**Project Name:**	GARDNER DENVER-DB OAKS
Project State:	WI	**Contact:**	
Receive Date:	11/04/06	**Site Info 1:**	
Client P.O. No:		**Site Info 2:**	
Submitter ID:	40-001161	**Site Info 3:**	

Bill To: RMT CORPORATE HEADQUARTERS
Accounts Payable
744 Heartland Trail (53717-1934)
P.O. Box 8923 (53708-8923)
Madison WI 53708-8923

Report To: RMT - MADISON
~~LANCE BAKKEN~~ Troy Clausen
744 HEARTLAND TRAIL
MADISON WI 53717-1934

Item ID	Description	Unit Price	Count	Extended Price
8260+-W	VOLATILES - WATER	$80.00	~~6~~ 5	~~$480.00~~
			Total:	~~$480.00~~

400

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 878108

Client: RMT - MADISON
Project Name: GARDNER DENVER-DB OAKS
Project Number: 7303.02

Lab Contact: Tod Noltemeyer

Lab Sample Number	Field ID	Matrix	Collection Date
878108-001	MW-7	WATER	11/02/06
878108-002	MW-7A	WATER	11/02/06
878108-003	MW-3B	WATER	11/02/06
878108-004	MW-3A	WATER	11/02/06
878108-005	MW-3	WATER	11/02/06
878108-006	TRIP	WATER	11/02/06

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

alee Hn for Tod N
Approval Signature

11/17/06
Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : MW-7

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-001

VOLATILES

Prep Date: 11/13/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 0.92	0.92	3.1		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.20	0.20	0.67		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 0.75	0.75	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 0.74	0.74	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 0.99	0.99	3.3		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 0.97	0.97	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 0.97	0.97	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 0.83	0.83	2.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 0.61	0.61	2.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 0.62	0.62	2.1		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 0.85	0.85	2.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 0.74	0.74	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromobenzene	< 0.82	0.82	2.7		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 0.97	0.97	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 0.76	0.76	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 0.67	0.67	2.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 0.59	0.59	2.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
n-Butylbenzene	< 0.93	0.93	3.1		1	ug/L		11/13/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : MW-7

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-001

VOLATILES

Prep Date: 11/13/06

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
n-Propylbenzene	<	0.81	0.81	2.7		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	0.67	0.67	2.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
s-Butylbenzene	<	0.89	0.89	3.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Styrene	<	0.86	0.86	2.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
t-Butylbenzene	<	0.97	0.97	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Tetrachloroethene		4.9	0.45	1.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Toluene	<	0.67	0.67	2.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	0.89	0.89	3.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	0.19	0.19	0.63		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Trichloroethene		1.4	0.48	1.6		1	ug/L	Q	11/13/06	SW846 5030B	SW846 8260B
Vinyl Chloride	<	0.18	0.18	0.60		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Xylene, m + p	<	1.8	1.8	6.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Xylene, o	<	0.83	0.83	2.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Surrogate			LCL	UCL							
4-Bromofluorobenzene		95	64	132		1	%		11/13/06	SW846 5030B	SW846 8260B
Toluene-d8		98	73	127		1	%		11/13/06	SW846 5030B	SW846 8260B
Dibromofluoromethane		111	68	122		1	%		11/13/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : MW-7A

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-002

VOLATILES

Prep Date: 11/13/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 9.2	9.2	31		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 9.0	9.0	30		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 2.0	2.0	6.7		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 4.2	4.2	14		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 7.5	7.5	25		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 5.7	5.7	19		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 7.5	7.5	25		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 7.4	7.4	25		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 9.9	9.9	33		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 9.7	9.7	32		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 9.7	9.7	32		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 8.7	8.7	29		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 5.6	5.6	19		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 8.3	8.3	28		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 3.6	3.6	12		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 4.6	4.6	15		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 8.3	8.3	28		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 8.7	8.7	29		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 6.1	6.1	20		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 9.5	9.5	32		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 6.2	6.2	21		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 8.5	8.5	28		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 7.4	7.4	25		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Benzene	< 4.1	4.1	14		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromobenzene	< 8.2	8.2	27		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 9.7	9.7	32		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 5.6	5.6	19		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromoform	< 9.4	9.4	31		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromomethane	< 9.1	9.1	30		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 4.9	4.9	16		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 4.1	4.1	14		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 8.1	8.1	27		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroethane	< 9.7	9.7	32		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroform	< 3.7	3.7	12		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloromethane	< 2.4	2.4	8.0		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	290	8.3	28		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 1.9	1.9	6.3		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dibromomethane	< 6.0	6.0	20		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 9.9	9.9	33		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 7.6	7.6	25		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 5.4	5.4	18		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 7.9	7.9	26		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 6.7	6.7	22		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 5.9	5.9	20		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 4.3	4.3	14		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 6.1	6.1	20		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Naphthalene	< 7.4	7.4	25		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
n-Butylbenzene	< 9.3	9.3	31		10	ug/L		11/13/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : MW-7A

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-002

VOLATILES

Prep Date: 11/13/06

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
n-Propylbenzene	<	8.1	8.1	27		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	6.7	6.7	22		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
s-Butylbenzene	<	8.9	8.9	30		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Styrene	<	8.6	8.6	29		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
t-Butylbenzene	<	9.7	9.7	32		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Tetrachloroethene		560	4.5	15		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Toluene	<	6.7	6.7	22		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	8.9	8.9	30		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	1.9	1.9	6.3		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Trichloroethene		180	4.8	16		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Vinyl Chloride	<	1.8	1.8	6.0		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Xylene, m + p	<	18	18	60		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Xylene, o	<	8.3	8.3	28		10	ug/L		11/13/06	SW846 5030B	SW846 8260B
Surrogate			LCL	UCL							
4-Bromofluorobenzene		99	64	132		10	%		11/13/06	SW846 5030B	SW846 8260B
Toluene-d8		104	73	127		10	%		11/13/06	SW846 5030B	SW846 8260B
Dibromofluoromethane		111	68	122		10	%		11/13/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : MW-3B

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-003

VOLATILES

Prep Date: 11/13/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 120	120	380		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 110	110	380		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	83		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 52	52	180		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 94	94	310		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 71	71	240		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 94	94	310		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 92	92	310		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 120	120	410		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 120	120	400		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 120	120	400		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 110	110	360		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 70	70	230		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 100	100	350		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 45	45	150		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 58	58	190		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 100	100	350		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 110	110	360		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 76	76	250		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 120	120	400		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 78	78	260		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 110	110	350		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 92	92	310		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Benzene	< 51	51	170		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromobenzene	< 100	100	340		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 120	120	400		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 70	70	230		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromoform	< 120	120	390		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromomethane	< 110	110	380		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 61	61	200		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 51	51	170		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 100	100	340		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroethane	< 120	120	400		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroform	< 46	46	150		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloromethane	< 30	30	100		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	400	100	350		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 24	24	79		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dibromomethane	< 75	75	250		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 120	120	410		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 95	95	320		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 68	68	220		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 99	99	330		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 84	84	280		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 74	74	250		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 54	54	180		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 76	76	250		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Naphthalene	< 92	92	310		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
n-Butylbenzene	< 120	120	390		125	ug/L		11/13/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : MW-3B

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-003

Prep Date: 11/13/06

VOLATILES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
n-Propylbenzene	< 100	100	340		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 84	84	280		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
s-Butylbenzene	< 110	110	370		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Styrene	< 110	110	360		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
t-Butylbenzene	< 120	120	400		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Tetrachloroethene	9700	56	190		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Toluene	< 84	84	280		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 110	110	370		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 24	24	79		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Trichloroethene	1800	60	200		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 22	22	75		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Xylene, m + p	< 220	220	750		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Xylene, o	< 100	100	350		125	ug/L		11/13/06	SW846 5030B	SW846 8260B
Surrogate		**LCL**	**UCL**							
4-Bromofluorobenzene	96	64	132		125	%		11/13/06	SW846 5030B	SW846 8260B
Toluene-d8	100	73	127		125	%		11/13/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	110	68	122		125	%		11/13/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : MW-3A

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-004

VOLATILES

Prep Date: 11/13/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 230	230	770		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 220	220	750		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 50	50	170		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 100	100	350		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 190	190	620		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 140	140	480		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 190	190	620		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 180	180	620		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 250	250	820		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 240	240	810		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 240	240	810		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 220	220	720		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 140	140	470		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 210	210	690		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 90	90	300		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 120	120	380		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 210	210	690		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 220	220	720		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 150	150	510		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 240	240	790		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 160	160	520		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 210	210	710		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 180	180	620		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Benzene	< 100	100	340		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromobenzene	< 200	200	680		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 240	240	810		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 140	140	470		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromoform	< 240	240	780		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromomethane	< 230	230	760		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 120	120	410		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 100	100	340		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 200	200	680		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroethane	< 240	240	810		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroform	< 92	92	310		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloromethane	< 60	60	200		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	14000	210	690		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 48	48	160		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dibromomethane	< 150	150	500		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 250	250	820		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 190	190	630		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 140	140	450		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 200	200	660		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 170	170	560		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 150	150	490		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 110	110	360		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 150	150	510		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Naphthalene	< 180	180	620		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
n-Butylbenzene	< 230	230	780		250	ug/L		11/13/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : MW-3A

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-004

VOLATILES

Prep Date: 11/13/06

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
n-Propylbenzene	<	200	200	680		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	170	170	560		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
s-Butylbenzene	<	220	220	740		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Styrene	<	220	220	720		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
t-Butylbenzene	<	240	240	810		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Tetrachloroethene		1700	110	380		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Toluene	<	170	170	560		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	220	220	740		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	48	48	160		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Trichloroethene		1900	120	400		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Vinyl Chloride		580	45	150		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Xylene, m + p	<	450	450	1500		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Xylene, o	<	210	210	690		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Surrogate			**LCL**	**UCL**							
4-Bromofluorobenzene		97	64	132		250	%		11/13/06	SW846 5030B	SW846 8260B
Toluene-d8		100	73	127		250	%		11/13/06	SW846 5030B	SW846 8260B
Dibromofluoromethane		114	68	122		250	%		11/13/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : MW-3

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-005

VOLATILES

Prep Date: 11/13/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 230	230	770		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 220	220	750		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 50	50	170		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 100	100	350		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 190	190	620		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 140	140	480		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 190	190	620		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 180	180	620		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 250	250	820		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 240	240	810		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 240	240	810		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 220	220	720		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 140	140	470		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 210	210	690		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 90	90	300		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 120	120	380		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 210	210	690		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 220	220	720		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 150	150	510		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 240	240	790		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 160	160	520		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 210	210	710		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 180	180	620		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Benzene	< 100	100	340		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromobenzene	< 200	200	680		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 240	240	810		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 140	140	470		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromoform	< 240	240	780		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromomethane	< 230	230	760		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 120	120	410		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 100	100	340		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 200	200	680		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroethane	< 240	240	810		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroform	< 92	92	310		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloromethane	< 60	60	200		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	3000	210	690		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 48	48	160		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dibromomethane	< 150	150	500		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 250	250	820		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 190	190	630		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 140	140	450		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 200	200	660		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 170	170	560		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 150	150	490		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 110	110	360		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 150	150	510		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Naphthalene	< 180	180	620		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
n-Butylbenzene	< 230	230	780		250	ug/L		11/13/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : MW-3

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-005

VOLATILES

Prep Date: 11/13/06

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
n-Propylbenzene	<	200	200	680		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	170	170	560		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
s-Butylbenzene	<	220	220	740		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Styrene	<	220	220	720		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
t-Butylbenzene	<	240	240	810		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Tetrachloroethene		22000	110	380		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Toluene	<	170	170	560		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	220	220	740		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	48	48	160		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Trichloroethene		5100	120	400		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Vinyl Chloride		79	45	150		250	ug/L	Q	11/13/06	SW846 5030B	SW846 8260B
Xylene, m + p	<	450	450	1500		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Xylene, o	<	210	210	690		250	ug/L		11/13/06	SW846 5030B	SW846 8260B
Surrogate			LCL	UCL							
4-Bromofluorobenzene		97	64	132		250	%		11/13/06	SW846 5030B	SW846 8260B
Toluene-d8		99	73	127		250	%		11/13/06	SW846 5030B	SW846 8260B
Dibromofluoromethane		113	68	122		250	%		11/13/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : TRIP

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-006

VOLATILES

Prep Date: 11/13/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 0.92	0.92	3.1		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.20	0.20	0.67		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 0.75	0.75	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 0.74	0.74	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 0.99	0.99	3.3		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 0.97	0.97	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 0.97	0.97	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 0.83	0.83	2.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 0.61	0.61	2.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 0.62	0.62	2.1		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 0.85	0.85	2.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 0.74	0.74	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromobenzene	< 0.82	0.82	2.7		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 0.97	0.97	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 0.76	0.76	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 0.67	0.67	2.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 0.59	0.59	2.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
n-Butylbenzene	< 0.93	0.93	3.1		1	ug/L		11/13/06	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 878108

Client : RMT - MADISON
Project Name : GARDNER DENVER-DB OAKS
Project Number : 7303.02
Field ID : TRIP

Matrix Type : WATER
Collection Date : 11/02/06
Report Date : 11/14/06
Lab Sample Number : 878108-006

VOLATILES

Prep Date: 11/13/06

Analyte		Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
n-Propylbenzene	<	0.81	0.81	2.7		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	<	0.67	0.67	2.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
s-Butylbenzene	<	0.89	0.89	3.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Styrene	<	0.86	0.86	2.9		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
t-Butylbenzene	<	0.97	0.97	3.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Tetrachloroethene	<	0.45	0.45	1.5		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Toluene	<	0.67	0.67	2.2		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	<	0.89	0.89	3.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	<	0.19	0.19	0.63		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Trichloroethene	<	0.48	0.48	1.6		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Vinyl Chloride	<	0.18	0.18	0.60		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Xylene, m + p	<	1.8	1.8	6.0		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Xylene, o	<	0.83	0.83	2.8		1	ug/L		11/13/06	SW846 5030B	SW846 8260B
Surrogate			LCL	UCL							
4-Bromofluorobenzene		97	64	132		1	%		11/13/06	SW846 5030B	SW846 8260B
Toluene-d8		100	73	127		1	%		11/13/06	SW846 5030B	SW846 8260B
Dibromofluoromethane		110	68	122		1	%		11/13/06	SW846 5030B	SW846 8260B