LBG ENGINEERING SERVICES, P.C.
Professional Environmental & Civil Engineers

126 Monroe Turnpike
Trumbull, CT 06611
(203) 452-3110
(203) 452-3119 (FAX)

April 1, 2003

Mr. Jeffery Trad
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, Construction Services
625 Broadway, 12th floor
Albany, NY 12233-7013

RE: February 2003 Status Report
Ground-Water Remedial Action
Rowe Industries Superfund Site
Sag Harbor, New York

Dear Mr. Trad:

The enclosed letter report details the operation status of the full-scale ground-water pump and treat system at the above referenced site. As discussed in our telephone conversation, LBG has enclosed an additional copy of the report to be forwarded to the Chief of the Operation Maintenance and Support Section.

Should you or the Operation Maintenance and Support Section have any questions, please feel free to contact myself or Al Kovalik at (203) 452-3100.

Very truly yours,

LEGGETTE, BRASHEARS & GRAHAM, INC.

Laura R. Zima
Environmental Engineer

LZ:ng
Enclosures
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-DRAFT-

PROJECT STATUS MEMORANDUM NO. 03-03

TO: Pamela Tames, USEPA

FROM: Laura R. Zima,
Alfred N. Kovalik, P.E.

-7 2003

DATE: April 2, 2003

PROJECT: Rowe Industries Superfund Site
Ground-Water Recovery and Treatment System
February 2003 Status Report
Sag Harbor, New York

LBG Engineering Services, P.C. (LBG) commenced operation of the ground-water remediation system at the above-referenced site on December 17, 2002. This status report presents a summary of the operation, maintenance and monitoring activities for the site from February 1, 2003 through February 28, 2003. The report includes a summary of system operational parameters, tasks completed during the reporting period, anticipated tasks for the following month, analytical results for ground-water and system effluent samples, air quality results, and a summary of stream/estuary and wetland data. The system was manually shut down during this reporting period to complete work on the recovery well pumps and drives. As a result, the total number of hours the system was in operation was less than the design level.

SUMMARY OF SYSTEM OPERATION

(February 1, 2003 through February 28, 2003)

Reporting Period:	28 days
Total Flow During Period:	8,812,460 gallons
System Average Flow:	477 gallons per minute (gpm) while operating
Mass of VOCs Recovered:	8.3 pounds
Cumulative VOCs Recovered:	26.7 pounds
Hours of Operation:	321 hours during reporting period (48 percent) (based on number of hours registering flow from RW-1)
Alarm Conditions:	See Table 1 : Maintenance Log
Discharge Criteria:	Effluent water and air quality criteria met

SCHEDULE

Completed Tasks

During the February 2003 reporting period, LBG completed the following tasks:

- monitored system operations by completing routine inspections;
- completed ground-water recovery and treatment system troubleshooting and maintenance;
- measured ground-water fluid levels;
- monitored select parameters in streams, estuary, wetlands, and ground water;
- completed air sampling events for carbon units;
- prepared monthly project status report; and
- completed project management administrative duties.

Upcoming Tasks

During the next reporting period, LBG anticipates completing the following tasks:

- monitor system operations by completing routine inspections;
- complete ground-water recovery and treatment system maintenance;
- collect ground-water samples from recovery wells;
- measure fluid levels and evaluate drawdown in aquifer;
- conduct monitoring of streams, estuary, wetlands, and ground water;
- complete air sampling events for carbon units;
- calculate contaminant recovery totals for the system;
- coordinate changes to system programming;
- prepare monthly project status report;
- complete project management administrative duties;
- run computer model with modified well flow to determine capture zone;
- trouble-shoot to increase life span of filter bags; and,
- determine problems with transducers and drawdown calculations.

GROUND-WATER RECOVERY SYSTEM STATUS SUMMARY

The following table summarizes select recovery well parameters for the reporting period. Additional well operation information is included on the weekly operation reports, which are attached as Appendix I. A graph depicting the individual well flowrates over time is attached as Figure 1. Figure 5 shows individual well pressures over time. Recovery well RW-6 average flow is reduced due to backpressure in the combined recovered water pipeline. The average flow for other wells is less than associated design values because adjustments were made to the operation flows in order to extend bag filter life. A computer model will be re-run with revised recovery well flows to determine capture zones.

Based on analytical results for samples collected from the influent to the air stripper and totalizer readings, approximately 8.3 pounds of volatile organic compounds (VOCs) were recovered by the system in February. The cumulative recovery of VOCs by the system since the start of

operation is 26.7 pounds. The VOC recovery calculation for February is attached as Appendix II and is based on three sampling events. The VOC recovery totals from each recovery well could not be calculated for the February reporting period because no recovery well samples were collected during the period. Laboratory analytical reports are attached as Appendix III.

Well	Volume Pumped (gal)	Average Flowrate (gpm)	Design Flowrate (gpm)	Total VOC Concentration (ug/L)	VOC Recovery (lbs)
RW-1	550,429	31.4	35	-	-
RW-2	821,326	45.0	45	-	-
RW-3	548,981	30.0	30	-	-
RW-4	785,808	45.7	50	-	-
RW-5	1,096,910	55.0	55	-	-
RW-6	613,997	37.2	50	-	-
RW-7	1,428,439	71.3	80	-	-
RW-8	1,276,723	63.4	90	-	-
RW-9	1,659,479	99.1	100	-	-

During the reporting period, troubleshooting and maintenance activities were conducted on eight of the recovery wells (see Table 1). Reoccurring fault conditions included low flow and overload fault conditions. Troubleshooting activities that were conducted to correct the fault conditions included adjusting well flowrates and alarm set points and cleaning flowmeters and the basket strainer. Maintenance was conducted on RW-5, 6, 7, and 8 drives and sine filters from February 13 through the 18, so the system was not running during this time.

GROUND-WATER TREATMENT SYSTEM STATUS SUMMARY

System Operation

The two major components of the ground-water treatment system are the three multi-unit bag filter systems and the packed tower air stripper.

The filter units, with eight filter bags per unit, are located downstream of the equalization tank and upstream from the air stripper. The multi-bag filter units operate in parallel. The average flow from the equalization tank transfer pumps into the bag unit system was 289 gpm during the reporting period. The inlet, outlet and differential pressures for each filter unit are recorded on an hourly basis. Figure 2 illustrates the differential pressure readings over time across each of the three units. As indicated on this figure and as shown in the operations log, high differential pressure warnings were recorded and filter bag changeouts were conducted on almost a daily basis. In order to reduce the frequency of fault conditions, the bag filter sizing was changed from 100 micron to 200 micron. Additional troubleshooting activities will be conducted during the next reporting period to increase the lifespan of the filter bags and minimize system maintenance requirements. The system

was not running from February 23 through the 28 because the expected shipment of filter bags was delayed.

The average air flowrate through the air stripper during the reporting period was 2,514 scfm (standard cubic feet per minute). A graph of the air stripper air flow and air pressure over time is attached as Figure 3. The graph indicates no reduced performance of the air stripper by fouling of the air stripper packing. The air flow and pressure readings have remained stable. Therefore, the acid backwash system was not utilized during the reporting period. The water discharge from the air stripper was sampled weekly. As shown on the attached Table 2, the treated ground water met the water-quality requirements set forth in the SPDES criteria. Figure 4 illustrates that the daily system effluent flowrate in gallons per day (gpd) was below the SPDES limit of 1,023,000 gpd.

AIR TREATMENT AND EMISSIONS MONITORING

Air sampling was conducted during the reporting period to ensure that VOC emissions do not exceed limits and to monitor the granular activated carbon units for breakthrough. The air stripper off-gas is treated by two carbon units, which are currently being operated in series. During system start-up, photoionization detector (PID) readings and air samples for laboratory analysis were collected from the effluent from the stripper, carbon unit 1 and carbon unit 2 on a weekly basis. Table 3 summarizes the air quality results for the initial system testing phase and all sampling done during the system operation. As shown in the table, the PCE laden air from the air stripper was effectively treated by the carbon units; therefore, no carbon changeout activities were conducted during the reporting period. According to the calculation in Appendix IV, the air emission rate from the carbon units (based on the February 20th analytical data) was 0.00019 pounds per hour. Trichloroethene and chloroform were not detected in the effluent vapor stream from the carbon unit system; therefore, the allowable concentrations of these compounds corresponding to the AgC at the property line were not exceeded.

GROUND-WATER SAMPLING

Ground-water samples were not collected from the nine recovery wells during this reporting period. Table 4 summarizes the VOC analytical data for all ground-water samples collected during the operation of the system. The highest tetrachloroethene concentration for the most recent sampling round was 130 micrograms per liter in RW-4. Ground-water quality trends will be analyzed throughout the duration of the remedial action. Ground-water samples will be collected from the recovery wells during the March reporting period.

STREAM/ESTUARY SALINITY MONITORING

Salinity and temperature levels were measured at predetermined locations perpendicular to the flow of water in the Ligonee Creek. The selected locations are considered representative of the section of Sag Harbor Cove downgradient of the VOC plume being captured and potentially affected by the operation of the recovery wells. The salinity and temperature profiles are monitored at the surface and various depths. Measurements were made at each location during, or close to, average

daily high and low tide. Temperature and salinity graphs for the various monitoring points are attached as Appendix V. Based on historical data measured, the operation of the system has not had an influence on the salinity or temperature at the selected locations. During February 2003, the salinity and temperature data was collected when the ground-water remediation system was not operating. Salinity and temperature data collected during the next monthly monitoring event and throughout the duration of the ground-water remedial action will be evaluated against the historical monitoring data.

WATER-LEVEL MONITORING

Water-level monitoring is conducted in the Crooked, Whaler's Road, Lily and Round Ponds and the Ligonee Brook to assess the impacts of the ground-water recovery system on water levels. Ground-water levels and pond water levels are measured in the piezometers and staff gages to determine the difference between the potentiometric heads in the underlying aquifer and the pond water levels. During February 2003, the ground-water elevation data was collected during a shutdown of the ground-water remediation system. The water-level measurements are shown on the hydrographs attached as Appendix VI. Water-level data collected during the next monthly monitoring event and throughout the duration of the ground-water remedial action will be evaluated against the baseline data.

Monitor well water-level measurements were collected on February 27, 2003 when the system was not running and are summarized in Table 5. The collection of water level data from the monitor wells will coincide with the Greenbelt Pond water-level measurements on future O&M visits. Recovery well drawdown data for the nine recovery wells is approximated using data log files collected by the computer. The water-level measurements and drawdown for the nine recovery wells when they were not pumping are summarized in Table 5. The drawdown presented in Table 5 was approximated by evaluating graphs of the recorded drawdown and taking the difference between the observed water column above the transducer when the wells were operating and when the wells were off. Drawdown data with increased accuracy will be available and presented in the March status report when the problems with the transducers have been repaired.

cc: Paul Jobmann, LBGES, P.C.
Terry Gerrish, CH2M Hill
Mark Lucas, CH2M Hill
Phil McAndrew, Kraft Foods, N.A.
Jeff Trad, NYSDEC
Chief-Operation Maintenance and Support Section
(figure 4, table 2 and Appendix III)
Robert Schneck, RWE, R-1, NYSDEC
David Gilmartin, Jr., Esq., Town of Southampton

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Attachments
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TABLES

TABLE 1
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

MAINTENANCE LOG
(February 1, 2003 through February 28, 2003)

Date	Time	System Changes/Modifications	Personnel
2/1/03	9:19 AM	Adjusted drive parameters to restart RW-8.	PJ
		Changed multi-bag filter socks (100 µm) on all banks.	PJ
2/2/03	9:39 AM	Changed multi-bag filter socks (100 µm) on banks 1 & 2.	PJ
2/3/03	8:32 AM	Changed multi-bag filter socks (100 µm) on all banks.	PJ
	4:30 PM	Shut down computer. System restarted. Adjusted RW-7 and RW-8 to get running.	PJ
2/4/03	7:05 AM	Changed multi-bag filter socks (100 µm) on banks 1 & 2. Closed bank 3.	PJ
2/5/03	2:39 AM	Filter bank 2 high pressure warning.	PJ
	5:10 AM	Filter bank 1 high pressure warning.	PJ
	6:24 AM	Changed multi-bag filter socks (100 µm) on bank 3.	PJ
	7:07 AM	Changed multi-bag filter socks (100 µm) on banks 1 &2.	PJ
2/6/03	2:45 AM	Filter bank 2 high pressure warning.	PJ
	4:00 AM	Filter bank 3 high pressure warning.	PJ
	5:21 AM	Filter bank 1 high pressure warning.	PJ
	6:10 AM	Filter bank 3 high pressure alarm, system shut down. Changed multi-bag filter socks (100 µm) on bank 1.	PJ
	6:30 AM	Restarted system.	PJ
		Changed multi-bag filter socks (100 µm) on banks 2 & 3.	PH
2/7/03	4:23 AM	Filter bank 2 high pressure warning.	PJ
	4:38 AM	Filter bank 1and 3 high pressure warning.	PJ
	6:22 AM	Filter bank 1 high pressure alarm. System shut down. Change multi bag filter socks (100 µm) on all banks.	PJ
	6:36 AM	Restarted system.	PJ
2/8/03	2:23 AM	Filter bank 2 high pressure warning.	ASH
	3:06 AM	Filter bank 3 high pressure warning.	ASH
	4:29 AM	Filter bank 1 high pressure warning.	ASH
	4:41 AM	Filter bank 3 high pressure alarm, system shut down.	ASH
	12:10 PM	Changed multi-bag filter socks (100 µm) on all banks. Restarted system.	ASH
	3:00 PM	Computer locked up and system shut down. ASB did not drop out due to faulty contactor.	ASH
2/9/03		Replaced ASB contactor with acid transfer pump contactor.	ASH
	1:45 PM	Restarted system.	ASH
	11:19 PM	Filter bank 2 high pressure warning.	PJ
	11:40 PM	Filter bank 3 high pressure warning.	PJ
2/10/03	12:10 AM	Filter bank 1 high pressure warning. Filter banks 1 and 3 high pressure alarm. System shut down.	PJ

TABLE 1
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

MAINTENANCE LOG
(February 1, 2003 through February 28, 2003)

Date	Time	System Changes/Modifications	Personnel
	9:33 AM	Changed multi-bag filter socks (100 μm) on all banks. Only running banks 2 & 3. Restarted system.	PJ
	10:07 PM	Opened filter bank 1.	PJ
	10:41 AM	Changed multi-bag filter socks (100 μm) on banks 2 & 3.	PJ
2/11/03		Changed multi-bag filter socks (100 μm) on all banks.	PJ
	10:04 PM	Filter bank 2 high pressure warning.	PJ
	10:18 PM	Filter bank 3 high pressure warning.	PJ
	10:56 PM	Filter bank 1 high pressure warning.	PJ
2/12/03	12:17 AM	Filter bank 3 high pressure alarm, system shut down. Left system down so Rockwell could work on drives and filters for RW-5, 6, 7, & 8.	PJ
2/18/03		Changed multi-bag filter socks (100 μm) on all banks. Only banks 1 & 2 operating.	PJ
	1:12 PM	Restarted system. Repaired loose connection on RW-3 sensor power supply to get pump running. Changed set points for RW-6 from 50 gpm to 40 gpm (pump capacity reduced due to backpressure in combined recovered water pipeline), RW-7 from 80 gpm to 60 gpm (drive problem, repaired 3/2003), RW-8 from 75 gpm to 40 gpm (drive problem, repaired 3/2003), and RW-9 from 95 gpm to 100 gpm (back to design flow).	PJ
		RW-1 and RW-2 pressure transmitters changed. RW-2 is now datalogging correct pressures. RW-1 is still not logging correct pressures.	PJ
	6:00 PM	Open bank 3 for operation.	PJ
2/19/03	8:00 AM	Changed multi-bag filter socks (100 μm) on all banks.	PJ
2/20/03	8:45 AM	Restarted system. Reset booster blower.	PH
2/21/03	9:00 AM	Filter bank 3 high pressure warning.	ASH
	11:21 AM	Filter bank 3 high pressure alarm.	ASH
		Changed multi-bag filter socks on bank 2 (50 μm) and bank 3 (100 μm).	ASH
	1:00 PM	Restarted system.	ASH
2/22/03	9:31 AM	Filter bank 3 high pressure warning.	ASH
	10:43 AM	Filter bank 2 high pressure warning.	ASH
	11:32 AM	Filter bank 3 high pressure alarm. Changed bank 3 alarm setpoint to 14 psi differential.	ASH
		Changed multi-bag filter socks (100 μm) on banks 1 & 2.	ASH
	12:18 PM	Restarted system. Changed bank 3 alarm setpoint back to 12 psi differential.	ASH
	2:56 PM	RW-7 pump fault.	PJ
2/23/03	12:20 AM	Filter bank 3 high pressure warning.	PJ
	3:20 AM	Filter bank 3 high pressure alarm. Left system down until new bag filters arrive.	PJ

TABLE 2

GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

DISCHARGE WATER QUALITY RESULTS

Date Sampled	pH[2/]	TDS (mg/L)	PCE (ug/L)	1,1,1-TCA (ug/L)	TCE (ug/L)	1,1-DCA (ug/L)	1,1-DCE (ug/L)	1,2-DCE (ug/L)	Xylene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Methylene Chloride (ug/L)	Freon 113 (ug/L)	Naph-thalene (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)
SPDES Limits	6.5 to 8.5	---	1	5	5	5	5	5	5	5	5	5	---	10	7	---	---	---
1-Feb-03	NM	100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NM	NM
6-Feb-03	6.5	140	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	6.08	0.0642
20-Feb-03	NM	120	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	0.702	0.226

SPDES: State Polluntant Discharge Elimination System
mg/L: Milligrams per liter
ug/L: Micrograms per liter
----: Not established

NM: Not Measured
TDS: Total dissolved solids
PCE: Tetrachloroethylene
TCE: Trichloroethene

1,1-DCA: 1,1-Dichlorothane
1,1-DCE: 1,1-Dichloroethene
1,2-DCE: 1,2-Dichloroethene
MTBE: Methyl tert-butyl ether

Notes:
1. TDS & Freon 113 added to paramter analysis with February 2003 Samples.
2. pH measured in field using litmus paper.
3. "Discharge" samples were collected from sample port labeled NP2-10.

TABLE 3

GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

CARBON UNIT SYSTEM AIR QUALITY RESULTS

Precarbon

Sample Name	Date	Time	Parameters (mg/m3) PCE	TCE	Toluene	Benzene	Chloroform	m&p-Xylenes	Methylene Chloride	o-Xylene	Chloromethane	Carbon Disulfide	Styrene
Precarbon (ITPP A)	10/8/02	11:05	6.6	0.18	0.06	0.02	ND	ND	ND	ND	ND	ND	ND
Precarbon (ITPP B)	10/9/02	12:31	5.6	0.18	0.04	0.06	ND	ND	ND	ND	ND	ND	ND
Precarbon 112002	11/20/02	21:45	2.8	0.09	0.03	0.04	ND	ND	0.01	ND	0.54	ND	ND
Precarbon 112602	11/26/02	20:10	6.8	0.18	0.06	ND	ND	ND	ND	ND	0.88	ND	ND
AQ1219022120NP4-1	12/19/02	21:20	2.9	0.12	0.02	0.03	0.01	ND	ND	ND	ND	ND	ND
AQ0109031120NP4-1	1/9/03	11:20	2.3	0.07	0.06	ND	ND	ND	ND	ND	ND	ND	ND
AQ0220030932NP4-1	2/20/03	9:32	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Midcarbon

Sample Name	Date	Time	Parameters (mg/m3) PCE	TCE	Toluene	Benzene	Chloroform	m&p-Xylenes	Methylene Chloride	o-Xylene	Chloromethane	Carbon Disulfide	Styrene
Midcarbon (ITPP A)	10/8/02	11:07	0.004	ND	0.05	0.009	ND	0.008	ND	ND	ND	ND	ND
Midcarbon (ITPP B)	11/9/02	12:30	0.002		0.038	0.003	ND	0.005	ND	ND	ND	ND	0.002
Midcarbon 112002	11/20/02	21:50	ND	ND	0.22	0.06	ND	0.07	0.19	ND	0.77	ND	ND
Midcarbon 112602	11/26/02	21:12	0.005	ND	0.015	0.004	ND	0.003	0.017	ND	0.07	ND	ND
AQ1219022120NP4-2	12/19/02	21:20	0.04	ND	0.027	0.004	ND	0.006	0.03	ND	ND	ND	ND
AQ0109031122NP4-2	1/9/03	11:22	0.006	ND	0.044	ND	ND	0.004	0.013	ND	ND	ND	ND
AQ0220030932NP4-2	2/20/03	9:32	0.008	ND	ND	ND	0.011	ND	ND	ND	ND	ND	ND

Postcarbon

Sample Name	Date	Time	Parameters (mg/m3) PCE	TCE	Toluene	Benzene	Chloroform	m&p-Xylenes	Methylene Chloride	o-Xylene	Chloromethane	Carbon Disulfide	Styrene
Postcarbon (ITPP A)	10/8/02	11:09	0.002	ND	0.048	0.003	ND	0.005	0.049	ND	ND	0.016	ND
Postcarbon (ITPP B)	10/9/02	12:27	0.002	ND	0.04	0.006	ND	0.004	0.002	0.004	ND	0.021	0.002
Postcarbon 112002	11/20/02	21:51	Sample lost due to lab error										
Postcarbon 112602	11/26/02	20:13	ND	ND	0.012	0.004	ND	0.002	0.017	ND	0.087	ND	ND
AQ1219022120NP4-3	12/19/02	21:20	ND	ND	0.045	0.006	0.001	0.006	0.022	0.002	ND	ND	ND
AQ0109031124NP4-3	1/9/03	11:24	0.001	ND	0.06	ND	ND	0.004	0.018	ND	ND	ND	ND
AQ0220030932NP4-3	2/20/03	9:32	ND	ND	0.015	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

RECOVERY WELL WATER QUALITY RESULTS

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Vinyl Acetate (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Isopropyl-benzene (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)
RW-1	5-Sep-02	ND<1	ND<1	ND<1	27	1.9	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-1	5-Sep-02	ND<1	ND<1	ND<1	ND<1	2.6	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-1	8-Oct-02	ND<1	ND<1	ND<1	ND<1	2.2	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-1	9-Oct-02	ND<1	ND<1	ND<1	ND<1	2.8	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-1	26-Nov-02	-	-	-	-	-	-	0.032	ND<0.02	-	-	-	-
RW-1	3-Jan-03	ND<1	ND<1	ND<1	ND<1	2.4	16	-	-	ND<1	ND<1	ND<1	ND<1
RW-1	23-Jan-03	ND<1	ND<1	ND<1	ND<1	2.0	9.8	-	-	ND<1	ND<1	ND<1	ND<1
RW-2	5-Sep-02	190	2.9	ND<1	ND<1	ND<1	21	-	-	ND<1	ND<1	ND<1	ND<1
RW-2	5-Sep-02	120	1.4	ND<1	ND<1	ND<1	18	-	-	ND<1	ND<1	ND<1	ND<1
RW-2	8-Oct-02	140	2	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-2	9-Oct-02	110	1.9	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	6.6
RW-2	26-Nov-02	-	-	-	-	-	-	50.9	0.188	-	-	-	-
RW-2	3-Jan-03	38	1.3	ND<1	ND<1	ND<1	7.5	-	-	ND<1	ND<1	ND<1	ND<1
RW-2	23-Jan-03	31	ND<1	ND<1	ND<1	ND<1	6.7	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	5-Sep-02	23	1.6	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	5-Sep-02	30	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	8-Oct-02	18	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	9-Oct-02	19	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	26-Nov-02	-	-	-	-	-	-	2.23	2.34	-	-	-	-
RW-3	3-Jan-03	2.8	8.5	4.8	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
RW-3	23-Jan-03	2.7	5.8	2.4	ND<1	ND<1	1.8	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	23-Sep-02	550	8.5	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	23-Sep-02	590	9.5	1.6	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	8-Oct-02	670	11	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	9-Oct-02	450	9.6	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	26-Nov-02	-	-	-	-	-	-	11	2.41	-	-	-	-
RW-4	3-Jan-03	190	3.8	7.1	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
RW-4	23-Jan-03	130	6.5	0.7	ND<1	ND<1	4.3	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	12-Sep-02	ND<1	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	12-Sep-02	ND<1	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	8-Oct-02	ND<1	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	9-Oct-02	ND<1	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	26-Nov-02	-	-	-	-	-	-	ND<0.02	ND<0.02	-	-	-	-
RW-5	3-Jan-03	5.5	ND<1	ND<1	ND<1	1.9	1.5	-	-	ND<1	ND<1	ND<1	ND<1
RW-5	23-Jan-03	5.8	ND<1	ND<1	ND<1	1.1	3.5	-	-	ND<1	ND<1	ND<1	ND<1

TABLE 4

GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

RECOVERY WELL WATER QUALITY RESULTS

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Vinyl Acetate (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Isopropyl-benzene (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)
RW-6	12-Sep-02	69	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-6	12-Sep-02	140	1.1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-6	8-Oct-02	120	1.7	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-6	9-Oct-02	130	ND<1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-6	26-Nov-02	-	-	-	-	-	-	0.37	ND<0.02	-	-	-	-
RW-6	3-Jan-03	110	1.1	ND<1	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
RW-6	23-Jan-03	97	1.6	ND<1	ND<1	0.6	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	12-Sep-02	270	4.1	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	12-Sep-02	350	5.2	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	8-Oct-02	360	4.7	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	9-Oct-02	370	4.9	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	26-Nov-02	-	-	-	-	-	-	0.075	ND<0.02	-	-	-	-
RW-7	3-Jan-03	160	2.5	1.3	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1
RW-7	23-Jan-03	120	2.3	1.1	ND<1	0.5	1.4	-	-	ND<1	ND<1	ND<1	ND<1
RW-8	23-Sep-02	130	7.1	ND<1	ND<1	ND<1	-	-	-	1.1	ND<1	ND<1	ND<1
RW-8	23-Sep-02	100	6.6	ND<1	ND<1	ND<1	-	-	-	1.4	ND<1	ND<1	ND<1
RW-8	8-Oct-02	100	7.5	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-8	9-Oct-02	94	6.6	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-8	26-Nov-02	-	-	-	-	-	-	12.1	1.43	-	-	-	-
RW-8	3-Jan-03	59	4.3	4	ND<1	ND<1	ND<1	-	-	ND<1	2.4	ND<1	ND<1
RW-8	23-Jan-03	58	4.2	3.2	ND<1	ND<1	ND<1	-	-	ND<1	1.8	0.6	ND<1
RW-9	23-Sep-02	12	2.9	ND<1	ND<1	ND<1	-	-	-	ND<1	ND<1	ND<1	ND<1
RW-9	23-Sep-02	11	3	3.5	ND<1	ND<1	-	-	-	ND<1	5.3	ND<1	ND<1
RW-9	8-Oct-02	9.2	2.5	3.5	ND<1	ND<1	-	-	-	ND<1	6	1.1	ND<1
RW-9	9-Oct-02	16	3.4	6.6	ND<1	ND<1	-	-	-	ND<1	5.2	ND<1	ND<1
RW-9	26-Nov-02	-	-	-	-	-	-	2.99	1.72	-	-	-	-
RW-9	3-Jan-03	17	2.5	6.9	ND<1	ND<1	ND<1	-	-	ND<1	3.1	ND<1	ND<1
RW-9	23-Jan-03	23	2.8	4.3	ND<1	ND<1	ND<1	-	-	ND<1	2.5	0.6	ND<1

ND: Not detected
<#: Less than method dete
ug/L: Micrograms per liter
-: Not analyzed

PCE: Tetrachloroethylene
TCE: Trichloroethene
TCA: 1,1,1-Trichloroethane
1,1-DCA: 1,1-Dichlorothane

1,1-DCE: 1,1-Dichloroethene
1,2-DCE: 1,2-Dichloroethene
MTBE: Methyl Tertiary Butyl Ether

TABLE 5
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

STATIC WATER-LEVELS AND DRAWDOWN
FOR MONITOR AND RECOVERY WELLS
(February 27, 2003)

Well	Static Depth to Water (feet)	Drawdown (feet)*
MW-43A	18.42	-
MW-43B	18.35	-
MW-43C	17.98	-
MW-45A	19.41	-
MW-45B	40.41	-
MW-46A	7.61	-
MW-46B	8.10	-
MW-48A	22.25	-
MW-48B	23.05	-
MW-49A	8.51	-
MW-49B	8.71	-
MW-49C	8.58	-
MW-50A	5.93	-
MW-50B	5.51	-
MW-50C	5.79	-
RW-1	27.9	1.5
RW-2	19.8	11.2
RW-3	7.02	2.3
RW-4	14.47	4.3
RW-5	20.97	3
RW-6	18.38	23
RW-7	27	2.3
RW-8	7.5	2
RW-9	5.5	15

*Drawdown approximated using data-logged drawdown.

FIGURES

FIGURE 1
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

RECOVERY WELL FLOW DATA
(February 1, 2003 through February 28, 2003)

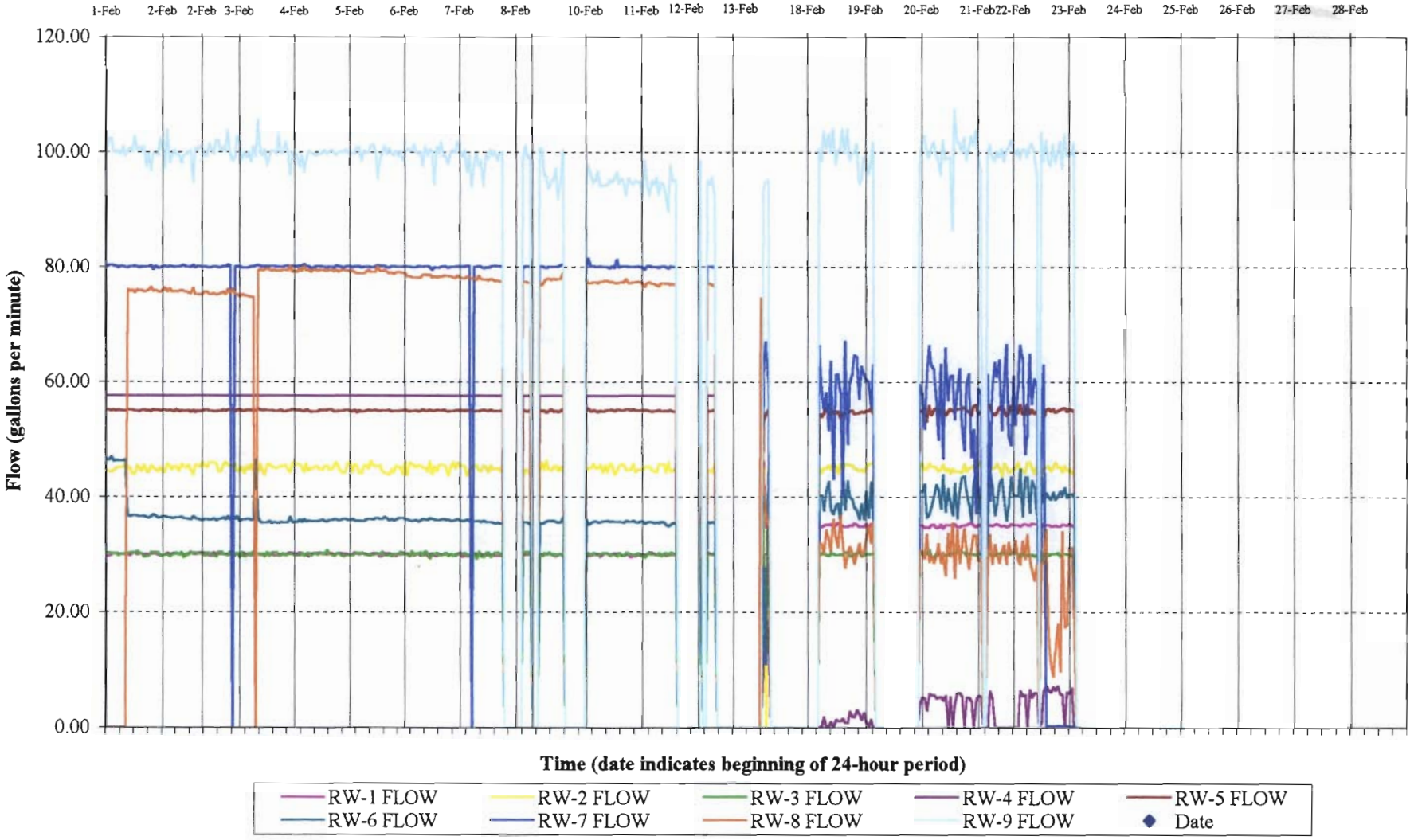

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FIGURE 2
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

MULTI-BAG FILTER DIFFERENTIAL PRESSURE
(February 1, 2003 through February 28, 2003)

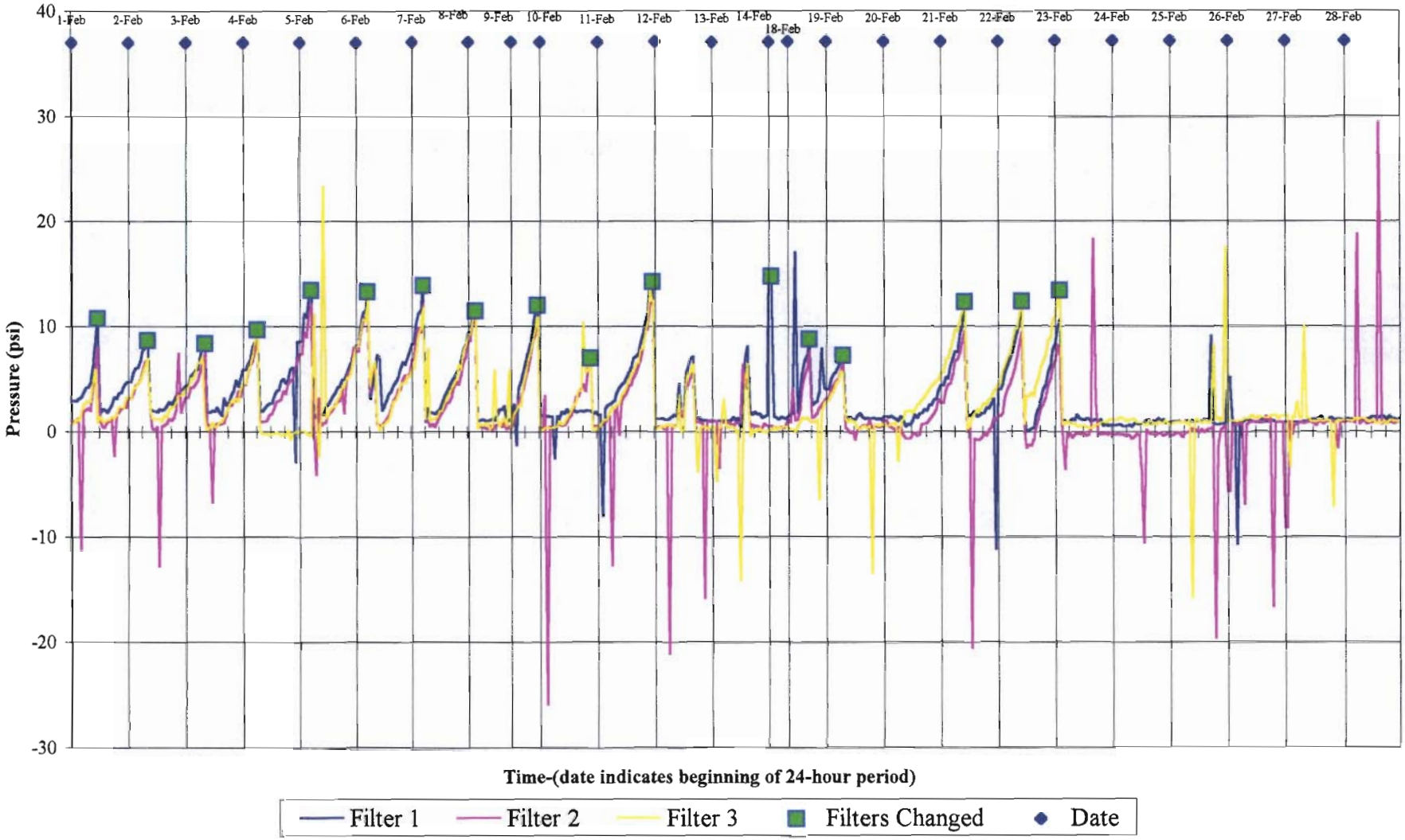
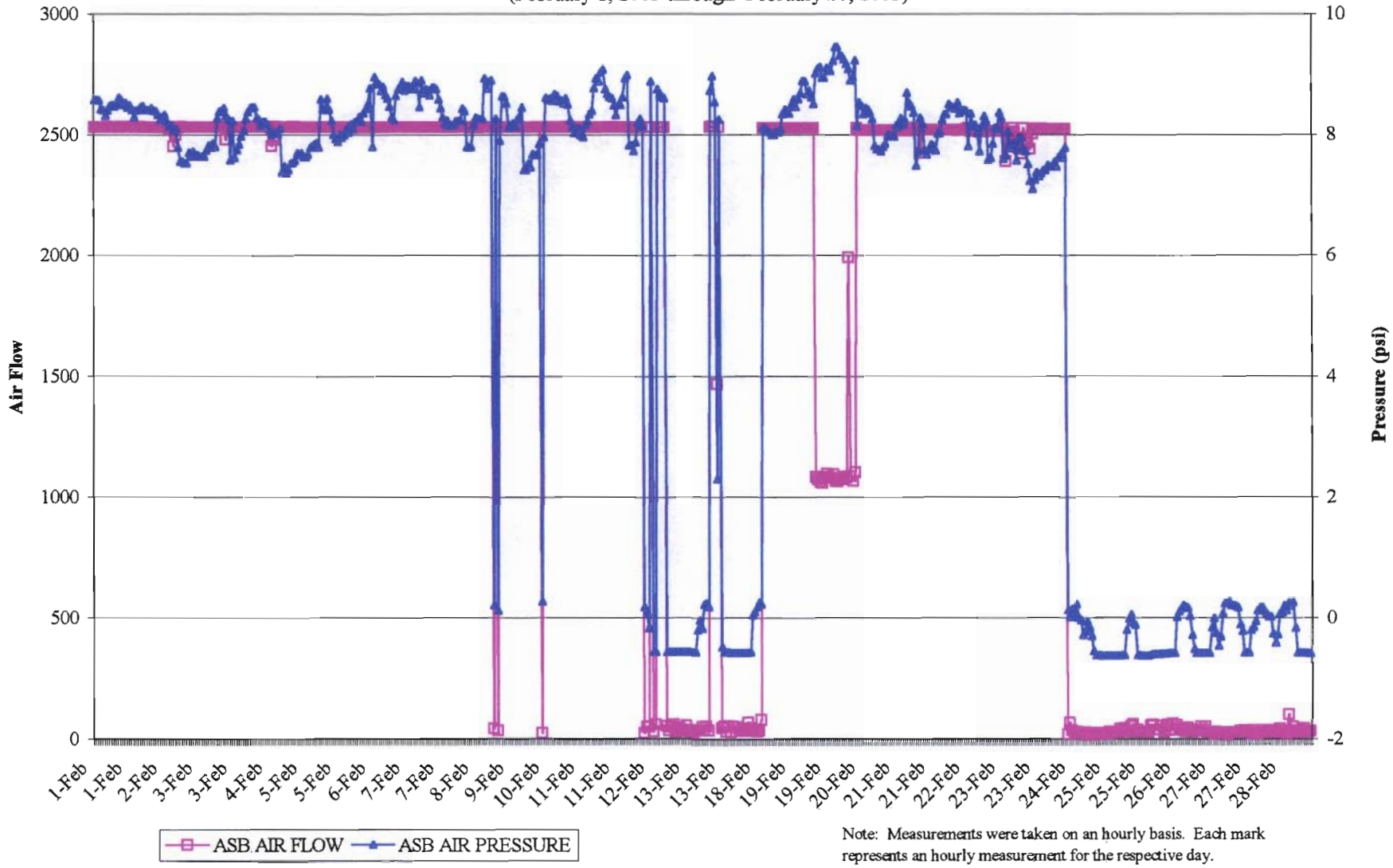


FIGURE 3
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

AIR STRIPPER BLOWER: FLOW AND PRESSURE
(February 1, 2003 through February 28, 2003)



Note: Measurements were taken on an hourly basis. Each mark represents an hourly measurement for the respective day.

S:\Tech\Jobfiles\M-N\Nabisom\Monthly Reports GWRS\February2003\Air Stripper Log SummaryFeb.xls
ASB Press and Flow, 3/26/03

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FIGURE 4
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

EFFLUENT FLOW DATA
(February 1, 2003 through February 28, 2003)

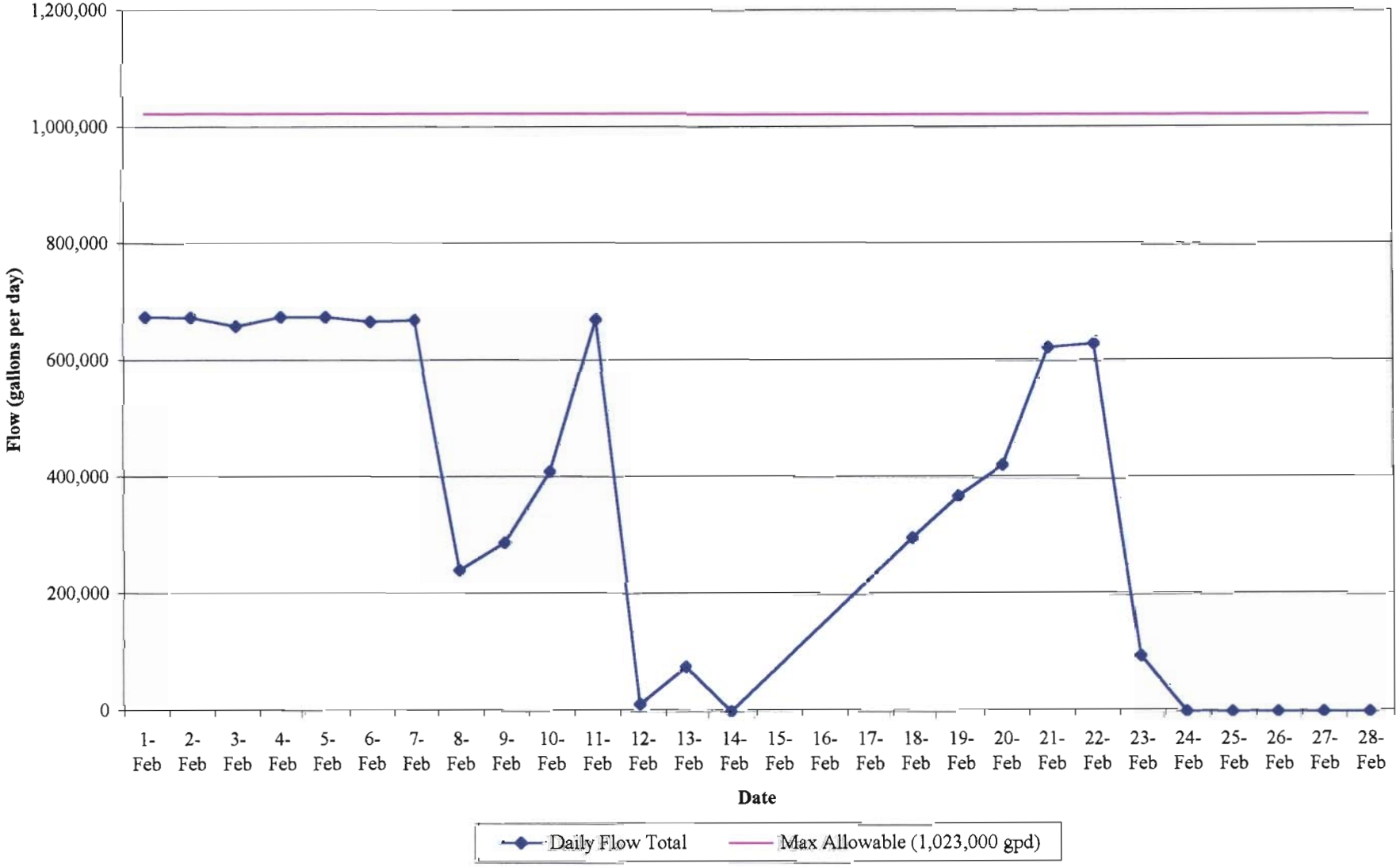
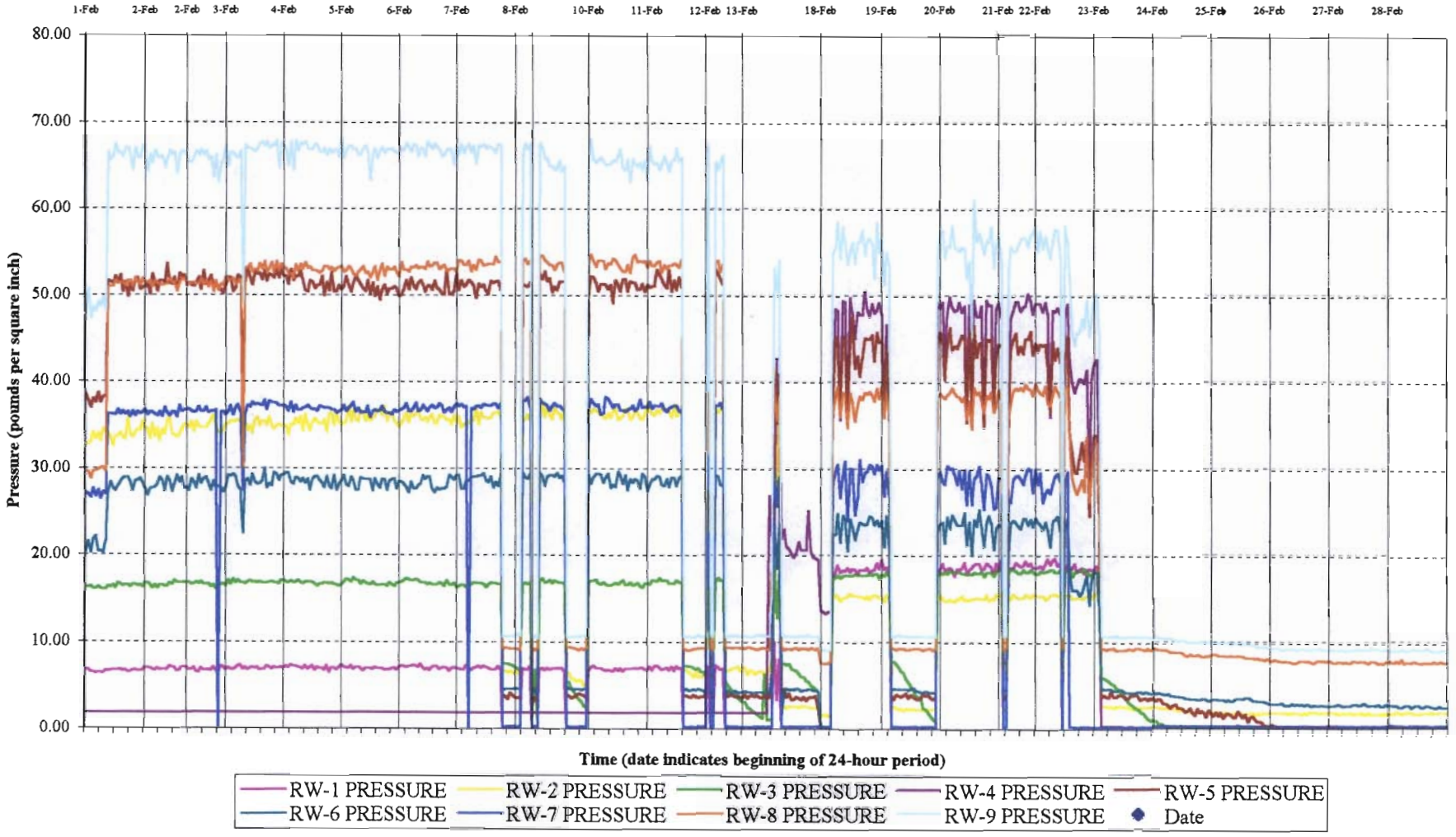


FIGURE 5
GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

RECOVERY WELL PRESSURE DATA
(February 1, 2003 through February 28, 2003)



Appendix I:
Weekly Operations Reports

Appendix I:
Weekly Operations Reports

Ground-Water Remedial Action
Ground-Water Pump and Treat
Rowe Industries Superfund Site
SAG HARBOR, NEW YORK

WEEKLY OPERATIONS REPORT

Report Period: 1/27/03 - 2/3/03
Report Generated Sunday - Date: 2/3/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4	RW5	RW6[2/]	RW7[3/]	RW8	RW9
Well Status	Dilution/ Conc.	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Flow	gpm	29.65	45.22	30.08	57.59	55.13	36.67	0.00	76.10	98.43
Motor Speed	rpm	1450.00	1624.00	1479.00	1305.00	1624.00	0.00	1740.00	1682.00	1682.00
Percent Speed	%	83.30	93.30	84.97	74.97	93.30	0.00	99.96	96.63	96.63
Motor Current	amps	1.50	2.80	1.50	2.40	3.30	0.00	7.70	6.20	9.20
Discharge Pressure	psi	6.34	34.06	16.35	1.86	50.89	27.81	0.00	50.49	62.98
Static Groundwater Elev.	ft - MSL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Groundwater Drawdown[1/]	ft	-0.96	9.21	0.08	-27.45	-0.98	21.12	87.23	2.69	-26.62

Transfer Pumps					
Process Value	Units	TP 1A	TP 1B	TP 2A	TP2B
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto
Pump Status	on/off	On	Off	On	Off
Run Time	hours	571	607	505	585
Motor Speed	rpm	1508.00	0.00	1218.00	0.00
Percent Speed	%	86.63	0.00	69.97	0.00
Motor Current	amps	18.50	0.00	16.30	0.00
Flow	gpm	522.17		515.10	
Discharge Pressure	psi				
Equalization Tank Level	inches	50.62			
Transfer Tank Level	inches			38.74	
Transfer Tank pH				6.48	
Transfer Tank Conductivity	uS			120.22	

Multi - Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	22.89	21.93	16.13
Outlet Pressure	psi	15.88	16.32	22.74
Differential Pressure	psi	7.01	5.61	6.61

Air Stripper Blowers			
Process Value	Units	AS. Blower	Booster B.
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	2531.81	3543.91
Discharge Pressure	in WC	7.86	25.02
Motor Current[4/]	amps	8.31	0.00
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	392.30	0.00
Basin Level[5/]	inches	41.17	4.41
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding[6/]	ft	21.29	

Notes:

1/ Calculations for groundwater drawdown is incorrect. Drawdown calculated from incorrect reference point.

2/ Variable speed drive bypassed for operation. Motor speed, percent speed and motor current readings collected from inactive drive.

3/ RW-7 flow meter not functioning.

4/ Booster blower current sensor is not referenced correctly in report program.

5/ Basin level offset not included in basin level reading. Sensor is measuring from bottom of stilling well to water level.

6/ Value is the transducer measurement of the water column above the sensor. Groundwater mounding is approximately 3.58 ft based on previous measuremnts.

Ground-Water Remedial Action
Ground-Water Pump and Treat
Rowe Industries Superfund Site
SAG HARBOR, NEW YORK

WEEKLY OPERATIONS REPORT

Report Period: 2/3/03 - 2/10/03
Report Generated Sunday - Date: 2/10/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4	RW5	RW6	RW7	RW8	RW9
Well Status	Dilution/ Conc.	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Flow[1/]	gpm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Speed	rpm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent Speed	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Current	amps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Discharge Pressure	psi	0.00	5.46	3.06	1.86	3.94	4.42	0.26	9.23	10.67
Static Groundwater Elev.	ft - MSL	61.60	45.58	20.06	33.48	46.30	40.07	45.35	18.75	13.10
Groundwater Drawdown[2/]	ft	-2.03	-1.66	-1.40	-27.45	-0.69	1.62	-3.74	1.62	-25.92

Transfer Pumps					
Process Value	Units	TP 1A	TP 1B	TP 2A	TP2B
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto
Pump Status	on/off	Off	Off	Off	Off
Run Time	hours	702	617	636	585
Motor Speed	rpm	0.00	0.00	0.00	0.00
Percent Speed	%	0.00	0.00	0.00	0.00
Motor Current	amps	0.00	0.00	0.00	0.00
Flow	gpm	0.00		0.00	
Discharge Pressure	psi				
Equalization Tank Level	inches	19.12			
Transfer Tank Level	inches			31.23	
Transfer Tank pH				6.51	
Transfer Tank Conductivity	uS			120.22	

Multi - Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	19.99	15.16	15.48
Outlet Pressure	psi	14.06	14.67	15.08
Differential Pressure	psi	5.93	0.49	0.40

Air Stripper Blowers			
Process Value	Units	AS. Blower	Booster B.
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	2531.46	3544.60
Discharge Pressure	in WC	7.67	24.98
Motor Current[3/]	amps	8.44	24.14
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	6.07	0.00
Basin Level[4/]	inches	5.98	4.21
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding[5/]	ft	19.79	

Notes:

1/ System not running at the time the report data was collected due to filter bank 1 high pressure alarm at 12:10 AM.

2/ Calculations for groundwater drawdown is incorrect. Drawdown calculated from incorrect reference point.

3/ Booster blower current sensor is not referenced correctly in report program.

4/ Basin level offset not included in basin level reading. Sensor is measuring from bottom of stilling well to water level.

5/ Value is the transducer measurement of the water column above the sensor. Groundwater mounding is approximately 2.08 ft based on previous measuremnts.

Ground-Water Remedial Action
Ground-Water Pump and Treat
Rowe Industries Superfund Site
SAG HARBOR, NEW YORK

WEEKLY OPERATIONS REPORT

Report Period: 2/17/03 - 2/24/03
Report Generated Sunday - Date: 2/24/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4	RW5	RW6	RW7	RW8	RW9
Well Status	Dilution/ Conc.	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Flow[1/]	gpm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Speed	rpm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent Speed	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Current	amps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Discharge Pressure	psi	0.18	2.18	0.02	0.18	2.25	3.94	0.26	8.82	10.35
Static Groundwater Elev.	ft - MSL	61.60	45.58	20.06	33.48	46.30	40.07	45.35	18.75	13.10
Groundwater Drawdown[2/]	ft	-2.32	-2.15	-1.85	-1.40	-0.06	-0.19	-4.59	0.88	-29.41

Transfer Pumps					
Process Value	Units	TP 1A	TP 1B	TP 2A	TP2B
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto
Pump Status	on/off	Off	Off	Off	Off
Run Time	hours	832	619	765	585
Motor Speed	rpm	0.00	0.00	0.00	0.00
Percent Speed	%	0.00	0.00	0.00	0.00
Motor Current	amps	0.00	0.00	0.00	0.00
Flow	gpm	0.00		0.00	
Discharge Pressure	psi				
Equalization Tank Level	inches	19.55			
Transfer Tank Level	inches			31.73	
Transfer Tank pH				6.49	
Transfer Tank Conductivity	uS			-1002.00	

Multi - Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	14.75	14.17	15.66
Outlet Pressure	psi	14.05	14.67	14.31
Differential Pressure	psi	0.70	-0.50	1.35

Air Stripper Blowers			
Process Value	Units	AS. Blower	Booster B.
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	2523.96	3534.02
Discharge Pressure	in WC	7.61	25.54
Motor Current[3/]	amps	8.53	24.46
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	11.74	0.00
Basin Level[4/]	inches	4.26	4.83
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding[5/]	ft	18.70	

Notes:

1/ System not running at the time the report data was collected. System not running because there are no filter socks to change multi-bag filters.

2/ Calculations for groundwater drawdown is incorrect. Drawdown calculated from incorrect reference point.

3/ Booster blower current sensor is not referenced correctly in report program.

4/ Basin level offset not included in basin level reading. Sensor is measuring from bottom of stilling well to water level.

5/ Value is the transducer measurement of the water column above the sensor. Groundwater mounding is approximately 0.99 ft based on previous measuremnts.

Ground-Water Remedial Action
Ground-Water Pump and Treat
Rowe Industries Superfund Site
SAG HARBOR, NEW YORK

WEEKLY OPERATIONS REPORT

Report Period: 2/24/03 - 3/3/03
Report Generated Sunday - Date: 3/3/03 6:56 AM

Recovery Wells										
Process Value	Units	RW1	RW2	RW3	RW4	RW5	RW6	RW7	RW8	RW9
Well Status	Dilution/ Conc.	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution	Dilution
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Flow[1/]	gpm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Speed	rpm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent Speed	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Current	amps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Discharge Pressure	psi	0.26	2.50	1.61	0.00	3.62	4.58	0.18	9.06	10.43
Static Groundwater Elev.	ft - MSL	59.88	43.84	18.30	34.01	45.14	38.77	32.48	18.79	12.26
Groundwater Drawdown[2/]	ft	-1.96	-2.26	-2.31	-48.76	-0.95	-1.50	-1.90	1.02	-59.41

Transfer Pumps					
Process Value	Units	TP 1A	TP 1B	TP 2A	TP2B
Pump Control Mode	Hand/Off/Auto	Auto	Auto	Auto	Auto
Pump Status	on/off	Off	Off	Off	Off
Run Time	hours	855	619	788	585
Motor Speed	rpm	0.00	0.00	0.00	0.00
Percent Speed	%	0.00	0.00	0.00	0.00
Motor Current	amps	0.00	0.00	0.00	0.00
Flow	gpm	0.00		0.00	
Discharge Pressure	psi				
Equalization Tank Level	inches	25.60			
Transfer Tank Level	inches			29.72	
Transfer Tank pH				6.47	
Transfer Tank Conductivity	uS			-1158.97	

Multi - Bag Filters				
Process Value	Units	Filter 1	Filter 2	Filter 3
Inlet Pressure	psi	14.25	14.31	15.31
Outlet Pressure	psi	13.95	14.73	14.06
Differential Pressure	psi	0.30	-0.41	1.26

Air Stripper Blowers			
Process Value	Units	AS. Blower	Booster B.
Blower Control Mode	Hand/Off/Auto	Auto	Auto
Air Flow	scfm	1083.82	1402.81
Discharge Pressure	in WC	9.03	4.13
Motor Current[3/]	amps	7.07	0.00
Valve EBV-1 Position	% open	Open	
Valve EBV-2 Position	% open	Open	

Recharge Basins			
Process Value	Units	Primary	Secondary
Basin Flow	gpm	6.15	0.00
Basin Level[4/]	inches	2.80	1.85
Static Groundwater Elev.	ft - MSL		
Groundwater Mounding[5/]	ft	18.51	

Notes:

1/ System not running at the time the report data was collected due to a booster blower failure on 3/2/03 at 6:03 PM.

2/ Calculations for groundwater drawdown is incorrect. Drawdown calculated from incorrect reference point.

3/ Booster blower current sensor is not referenced correctly in report program.

4/ Basin level offset not included in basin level reading. Sensor is measuring from bottom of stilling well to water level.

5/ Value is the transducer measurement of the water column above the sensor. Groundwater mounding is approximately 0.80 ft based on previous measuremnts.

Appendix II:
Calculations of VOC Recovery by Ground-Water System

APPENDIX II

GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

CALCULATION OF VOC RECOVERY BY THE GROUND-WATER RECOVERY SYSTEM

Calculated by: Laura R. Zima
Checked by: Alfred N. Kovalik

STATEMENT OF PROBLEM:

Calculate the quantity of VOCs recovered from the ground-water recovery system. VOC concentrations are from samples collected from system influent. Concentrations reported as below the method detection limit are shown as 0.

PROBLEM CONSTRAINTS:

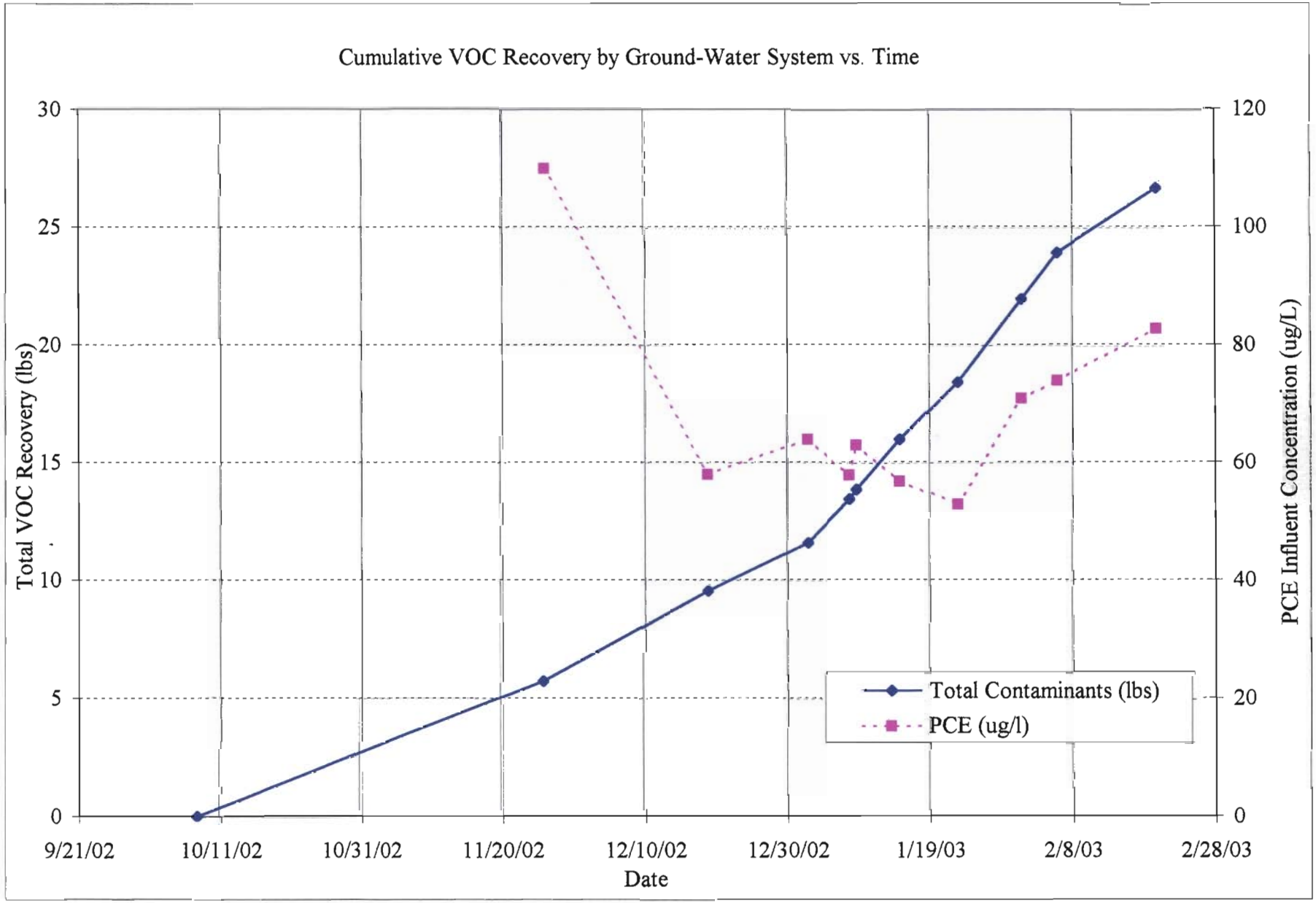
Date	PCE (ug/l)	TCE (ug/l)	TCA (ug/l)	cis-1,2-dichloroethene (ug/l)	Isopropyl benzene (ug/l)	Chloroform (ug/l)	Toluene (ug/l)
11/26/02 - 1/23/03	463	19.9	16.2	1.1	0	1.5	0
2/1/03	71	1.9	1.6	0	0	0	0
2/6/03	74	2.1	1.6	0	0	0	0
2/20/03	83	2.1	2.4	0	0	0	0

CALCULATION:

Recovery (lbs) = Concentration (ug/l) x Volume Pumped (gal) x 1 lb/453,590,000 ug x 3.785 l/gal

Date	Volume Pumped (gal)	PCE (lbs)	TCE (lbs)	TCA (lbs)	cis-1,2-dichloroethene (lbs)	Isopropyl benzene (lbs)	Chloroform (lbs)	Toluene (lbs)	Total Contaminants (lbs)	Cumulative VOC's (lbs)
11/26/02 - 1/23/03	30,090,220	17	0.7	0.6	0.05	0	0.04	0	18.4	18.4
2/1/03	5,709,870	3.4	0.1	0.1	0	0	0	0	3.5	22.0
2/6/03	3,014,550	1.9	0.1	0.0	0	0	0	0	2.0	23.9
2/20/03	3,791,680	2.6	0.1	0.1	0	0	0	0	2.8	26.7
Totals:	42,606,320	24.9	0.9	0.8	0.05	0	0.04	0	26.7	-

Note: Equalization tank totalizer meter reading recorded on 11/26/02 includes groundwater pumped during the Initial Testing Program.


Cumulative VOC Recovery by Ground-Water System vs. Time
Total VOC Recovery (lbs)
PCE Influent Concentration (ug/L)
Date
0
5
10
15
20
25
30
0
20
40
60
80
100
120
9/21/02
10/11/02
10/31/02
11/20/02
12/10/02
12/30/02
1/19/03
2/8/03
2/28/03
Total Contaminants (lbs)
PCE (ug/l)

Appendix III:
January 2003 Laboratory Analytical Reports

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

NP2-6

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0206031036NP2-10
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,1,1-Trichloroethane	1.6	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
2-Butanone	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
2-Hexanone	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Acetone	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Benzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Bromobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Bromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Bromoform	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Carbon disulfide	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0206031036NP2-10
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
Chloroform	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Dibromomethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Ethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Isopropylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
m,p-Xylene	< 2.0	2.0		µg/L	1	2/25/2003 6:01:00 PM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Naphthalene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
n-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
n-Propylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
o-Xylene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Styrene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Tetrachloroethene	74	1.0		µg/L	1	2/25/2003 6:01:00 PM
Toluene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Trichloroethene	2.1	1.0		µg/L	1	2/25/2003 6:01:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Vinyl acetate	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	2/25/2003 6:01:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0206031036NP2-10
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-01B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		**E200.7**				Analyst: **JP**
Iron	6.08	0.0200		mg/L	1	2/28/2003 11:42:33 AM
PH ANALYSIS		**SW9040B**				Analyst: **BK**
pH	3.05	0		pH units	1	2/26/2003
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **BK**
Total Dissolved Solids (Residue, Filterable)	140	0		mg/L	1	2/26/2003

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0206031036NP2-10
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-01C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		**E200.7**				Analyst: **JP**
Iron	0.0642	0.0200		mg/L	1	2/28/2003 11:01:58 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0203031057NP2-7
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
2-Butanone	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
2-Hexanone	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Acetone	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Benzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Bromobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Bromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Bromoform	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Carbon disulfide	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0203031057NP2-7
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
Chloroform	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Dibromomethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Ethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Isopropylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
m,p-Xylene	< 2.0	2.0		µg/L	1	2/25/2003 6:40:00 PM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Naphthalene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
n-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
n-Propylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
o-Xylene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Styrene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Tetrachloroethene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Toluene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Trichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Vinyl acetate	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	2/25/2003 6:40:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0203031057NP2-7
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-02B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		**E200.7**				Analyst: **JP**
Iron	10.2	0.0200		mg/L	1	2/28/2003 11:44:37 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0203031057NP2-7
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-02C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		**E200.7**				Analyst: **JP**
Iron	0.221	0.0200		mg/L	1	2/28/2003 11:04:40 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0206031041NP2-6
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-03A	**Matrix:**	LIQUID

NP2-10

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
2-Butanone	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
2-Hexanone	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Acetone	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Benzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Bromobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Bromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Bromoform	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Carbon disulfide	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0206031041NP2-6
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
Chloroform	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Dibromomethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Ethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Isopropylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
m,p-Xylene	< 2.0	2.0		µg/L	1	2/25/2003 7:17:00 PM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Naphthalene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
n-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
n-Propylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
o-Xylene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Styrene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Tetrachloroethene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Toluene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Trichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Vinyl acetate	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	2/25/2003 7:17:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0206031041NP2-6
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-03B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		**E200.7**				Analyst: **JP**
Iron	7.40	0.0200		mg/L	1	2/28/2003 11:47:16 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0206031041NP2-6
Lab Order:	0302056	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302056-03C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		**E200.7**				Analyst: **JP**
Iron	0.219	0.0200		mg/L	1	2/28/2003 11:15:04 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0201031317NP2-10
Lab Order:	0302057	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302057-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
2-Butanone	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
2-Hexanone	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Acetone	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Benzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Bromobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Bromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Bromoform	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Carbon disulfide	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0201031317NP2-10
Lab Order:	0302057	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302057-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
Chloroform	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Dibromomethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Ethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Isopropylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
m,p-Xylene	< 2.0	2.0		µg/L	1	2/25/2003 7:55:00 PM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Naphthalene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
n-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
n-Propylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
o-Xylene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Styrene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Tetrachloroethene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Toluene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Trichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Vinyl acetate	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	2/25/2003 7:55:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0201031317NP2-10
Lab Order:	0302057	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302057-01B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PH ANALYSIS		**SW9040B**				Analyst: **BK**
pH	6.01	0		pH units	1	2/26/2003
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **BK**
Total Dissolved Solids (Residue, Filterable)	100	0		mg/L	1	2/26/2003

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0201031310NP2-6
Lab Order:	0302057	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302057-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,1,1-Trichloroethane	1.6	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
2-Butanone	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
2-Hexanone	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Acetone	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Benzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Bromobenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Bromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Bromoform	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Carbon disulfide	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0201031310NP2-6
Lab Order:	0302057	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302057-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
Chloroform	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Dibromomethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Ethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Isopropylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
m,p-Xylene	< 2.0	2.0		µg/L	1	2/25/2003 8:33:00 PM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Naphthalene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
n-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
n-Propylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
o-Xylene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Styrene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Tetrachloroethene	71	1.0		µg/L	1	2/25/2003 8:33:00 PM
Toluene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Trichloroethene	1.9	1.0		µg/L	1	2/25/2003 8:33:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Vinyl acetate	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	2/25/2003 8:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0201031312NP2-7
Lab Order:	0302057	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302057-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
2-Butanone	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
2-Hexanone	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Acetone	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Benzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Bromobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Bromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Bromoform	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Carbon disulfide	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ0201031312NP2-7
Lab Order:	0302057	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302057-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
Chloroform	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Dibromomethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Ethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Isopropylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
m,p-Xylene	< 2.0	2.0		µg/L	1	2/25/2003 9:10:00 PM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Naphthalene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
n-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
n-Propylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
o-Xylene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Styrene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Tetrachloroethene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Toluene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Trichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Vinyl acetate	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	2/25/2003 9:10:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003910NP2-6
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,1,1-Trichloroethane	2.4	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
2-Butanone	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
2-Hexanone	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Acetone	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Benzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Bromobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Bromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Bromoform	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Carbon disulfide	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003910NP2-6
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
Chloroform	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Dibromomethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Ethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Isopropylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
m,p-Xylene	< 2.0	2.0		µg/L	1	2/25/2003 9:48:00 PM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Naphthalene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
n-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
n-Propylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
o-Xylene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Styrene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Tetrachloroethene	83	1.0		µg/L	1	2/25/2003 9:48:00 PM
Toluene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Trichloroethene	2.1	1.0		µg/L	1	2/25/2003 9:48:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Vinyl acetate	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	2/25/2003 9:48:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003910NP2-6
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-01B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		**E200.7**				Analyst: **JP**
Iron	0.0545	0.0200		mg/L	1	2/28/2003 11:54:29 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003910NP2-6
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-01C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		**E200.7**				Analyst: **JP**
Iron	0.0607	0.0200		mg/L	1	2/28/2003 11:19:03 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003913NP2-7
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
2-Butanone	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
2-Hexanone	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Acetone	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Benzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Bromobenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Bromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Bromoform	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Carbon disulfide	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003913NP2-7
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
Chloroform	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Dibromomethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Ethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Isopropylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
m,p-Xylene	< 2.0	2.0		µg/L	1	2/25/2003 10:26:00 PM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Naphthalene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
n-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
n-Propylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
o-Xylene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Styrene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Tetrachloroethene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Toluene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Trichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Vinyl acetate	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	2/25/2003 10:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003913NP2-7
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-02B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		**E200.7**				Analyst: **JP**
Iron	3.48	0.0200		mg/L	1	2/28/2003 11:57:03 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003913NP2-7
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-02C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		**E200.7**				Analyst: **JP**
Iron	0.322	0.0200		mg/L	1	2/28/2003 11:29:36 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003906NP2-10
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,2,3-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,2,4-Trichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,2-Dibromo-3-chloropropane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,3-dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
2-Butanone	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
2-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
2-Hexanone	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
4-Chlorotoluene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
4-Methyl-2-pentanone	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Acetone	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Benzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Bromobenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Bromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Bromoform	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Carbon disulfide	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003906NP2-10
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 8260 PLUS MTBE & FREON1		**SW8260B**				Analyst: **LDS**
Chloroform	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Dibromomethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Ethylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Hexachlorobutadiene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Isopropylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
m,p-Xylene	< 2.0	2.0		µg/L	1	2/25/2003 11:06:00 PM
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Naphthalene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
n-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
n-Propylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
o-Xylene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
sec-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Styrene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
tert-Butylbenzene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Tetrachloroethene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Toluene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Trichloroethene	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Vinyl acetate	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	2/25/2003 11:06:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003906NP2-10
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-03B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL IRON		**E200.7**				Analyst: **JP**
Iron	0.702	0.0200		mg/L	1	2/28/2003 11:59:38 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *04-Mar-03*

CLIENT:	Legette Brashears & Graham Inc.	**Client Sample ID:**	WQ022003906NP2-10
Lab Order:	0302058	**Tag Number:**	
Project:	Rowe Industries	**Collection Date:**	2/24/2003
Lab ID:	0302058-03C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED IRON		**E200.7**				Analyst: **JP**
Iron	0.226	0.0200		mg/L	1	2/28/2003 11:31:35 AM
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **BK**
Total Dissolved Solids (Residue, Filterable)	120	0		mg/L	1	2/26/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

Form 1

STL Connecticut		Client Sample ID	AQ022003932NP4-3
Method: T01/T02		Lab Sample ID	203118-1
Sample Volume (L)	1.000	Date Sampled	2/20/2003
Temp (C)	25	Date Analyzed	2/25/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	9.7	U	9.7	0.020	U	0.020
Vinyl Chloride	7.8	U	7.8	0.020	U	0.020
Bromomethane	5.1	U	5.1	0.020	U	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	3.2	U	3.2	0.010	U	0.010
Methylene Chloride	2.9	U	2.9	0.010	U	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	2.5	U	2.5	0.010	U	0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.1	U	2.1	0.010	U	0.010
1,1,1-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	3.1	U	3.1	0.010	U	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	1.9	U	1.9	0.010	U	0.010
1,2-Dichloropropane	2.2	U	2.2	0.010	U	0.010
Bromodichloromethane	1.5	U	1.5	0.010	U	0.010
cis-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
Toluene	4.0		2.7	0.015		0.010
trans-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
1,1,2-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Tetrachloroethene	1.5	U	1.5	0.010	U	0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	2.3	U	2.3	0.010	U	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Form 1

STL Connecticut		Client Sample ID	AQ022003932NP4-1
Method: T01/T02		Lab Sample ID	203118-2
Sample Volume (L)	0.100	Date Sampled	2/20/2003
Temp (C)	25	Date Analyzed	2/25/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	96.8	U	96.8	0.200	U	0.200
Vinyl Chloride	78.3	U	78.3	0.200	U	0.200
Bromomethane	51.5	U	51.5	0.200	U	0.200
Chloroethane	75.8	U	75.8	0.200	U	0.200
1,1-Dichloroethene	25.2	U	25.2	0.100	U	0.100
Carbon Disulfide	32.1	U	32.1	0.100	U	0.100
Methylene Chloride	28.8	U	28.8	0.100	U	0.100
trans-1,2-Dichloroethene	25.5	U	25.5	0.100	U	0.100
1,1-Dichloroethane	24.7	U	24.7	0.100	U	0.100
cis-1,2-Dichloroethene	25.5	U	25.5	0.100	U	0.100
Chloroform	20.5	U	20.5	0.100	U	0.100
1,1,1-Trichloroethane	18.4	U	18.4	0.100	U	0.100
Carbon Tetrachloride	15.9	U	15.9	0.100	U	0.100
Benzene	31.3	U	31.3	0.100	U	0.100
1,2-Dichloroethane	24.7	U	24.7	0.100	U	0.100
Trichloroethene	18.7	U	18.7	0.100	U	0.100
1,2-Dichloropropane	21.6	U	21.6	0.100	U	0.100
Bromodichloromethane	14.9	U	14.9	0.100	U	0.100
cis-1,3-Dichloropropene	22.0	U	22.0	0.100	U	0.100
Toluene	26.6	U	26.6	0.100	U	0.100
trans-1,3-Dichloropropene	22.0	U	22.0	0.100	U	0.100
1,1,2-Trichloroethane	18.4	U	18.4	0.100	U	0.100
Tetrachloroethene	221.0		14.7	1.500		0.100
Dibromochloromethane	11.8	U	11.8	0.100	U	0.100
Chlorobenzene	21.6	U	21.6	0.100	U	0.100
Ethylbenzene	23.1	U	23.1	0.100	U	0.100
m&p-Xylenes	23.1	U	23.1	0.100	U	0.100
o-Xylene	23.1	U	23.1	0.100	U	0.100
Styrene	23.5	U	23.5	0.100	U	0.100
Bromoform	9.7	U	9.7	0.100	U	0.100
1,1,2,2-Tetrachloroethane	14.6	U	14.6	0.100	U	0.100

Form 1

STL Connecticut		Client Sample ID	AQ022003932NP4-2
Method: T01/T02		Lab Sample ID	203118-3
Sample Volume (L)	1.000	Date Sampled	2/20/2003
Temp (C)	25	Date Analyzed	2/25/2003

Compound	nL/L (ppbv/v)	Qualifier	RL	mg/M3	Qualifier	RL
Chloromethane	9.7	U	9.7	0.020	U	0.020
Vinyl Chloride	7.8	U	7.8	0.020	U	0.020
Bromomethane	5.1	U	5.1	0.020	U	0.020
Chloroethane	7.6	U	7.6	0.020	U	0.020
1,1-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Carbon Disulfide	3.2	U	3.2	0.010	U	0.010
Methylene Chloride	2.9	U	2.9	0.010	U	0.010
trans-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
1,1-Dichloroethane	4.2		2.5	0.017		0.010
cis-1,2-Dichloroethene	2.5	U	2.5	0.010	U	0.010
Chloroform	2.3		2.1	0.011		0.010
1,1,1-Trichloroethane	5.9		1.8	0.032		0.010
Carbon Tetrachloride	1.6	U	1.6	0.010	U	0.010
Benzene	3.1	U	3.1	0.010	U	0.010
1,2-Dichloroethane	2.5	U	2.5	0.010	U	0.010
Trichloroethene	1.9	U	1.9	0.010	U	0.010
1,2-Dichloropropane	2.2	U	2.2	0.010	U	0.010
Bromodichloromethane	1.5	U	1.5	0.010	U	0.010
cis-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
Toluene	2.7	U	2.7	0.010	U	0.010
trans-1,3-Dichloropropene	2.2	U	2.2	0.010	U	0.010
1,1,2-Trichloroethane	1.8	U	1.8	0.010	U	0.010
Tetrachloroethene	1.2	J	1.5	0.008	J	0.010
Dibromochloromethane	1.2	U	1.2	0.010	U	0.010
Chlorobenzene	2.2	U	2.2	0.010	U	0.010
Ethylbenzene	2.3	U	2.3	0.010	U	0.010
m&p-Xylenes	2.3	U	2.3	0.010	U	0.010
o-Xylene	2.3	U	2.3	0.010	U	0.010
Styrene	2.4	U	2.4	0.010	U	0.010
Bromoform	1.0	U	1.0	0.010	U	0.010
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.010	U	0.010

Appendix IV:
Calculation of VOC Emissions from Carbon Units

APPENDIX IV

GROUND-WATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

CALCULATION OF VOLATILE ORGANIC COMPOUNDS DISCHARGED FROM VAPOR-PHASE CARBON UNITS

Calculated by: Laura R. Zima
Checked by: Alfred N. Kovalik

STATEMENT OF PROBLEM:

Calculate the quantity of VOCs discharged from the vapor-phase carbon units based on vapor concentrations and flow rates.

PROBLEM CONSTRAINTS:

Emission Limits: Total VOCs = 0.022 lb/hr

(Acceptable stack discharge concentrations for meeting AgC concentrations at property boundary are included in table below. Allowable concentrations calculated in Appendix IV of the December report.)

Date	PCE (mg/m^3)	TCE (mg/m^3)	Toluene (mg/m^3)	Benzene (mg/m^3)	Chloroform (mg/m^3)	m&p-Xylenes (mg/m^3)
Allowable Conc.	0.0068	0.041	NE	NE	2.1	NE
12/19/02	0	0	0.045	0.006	0.001	0.006
1/9/03	0.001	0	0.060	0	0	0.004
2/20/03	0	0	0.015	0	0	0

Date	Methylene Chloride (mg/m^3)	o-Xylene (mg/m^3)	Chloro-methane (mg/m^3)	Carbon Disulfide (mg/m^3)	Styrene (mg/m^3)	Total VOCs (mg/m^3)
Allowable Conc.	NE	NE	NE	NE	NE	NA
12/19/03	0.022	0	0	0	0	0.082
1/9/03	0.018	0	0	0	0	0.083
2/20/03	0	0	0	0	0	0.015

NE : Not Established for Site
\- : Not Collected
0 : Less than the laboratory method detection limit.
NA : Not Applicable

CALCULATION:

$$VOC\ Emissions(lb/hr) \quad C \quad Q \quad \frac{60\ \text{min}}{hr} \quad \frac{1\ m^3}{35.31\ ft^3} \quad \frac{1\ lb}{453{,}600\ mg}$$

where, Q is the air flowrate in standard cubic feet per minute (scfm) and
C is the VOC concentration in mg/m^3

Date	Operating Time (hours)	Vapor Flow Rate (scfm)*	VOC Vapor Conc. (mg/m^3)	VOC Emissions (lb/hr)	Cumulative VOC Emissions (lb)
12/17/02	---	---	---	---	---
12/19/02	48	3,359	0.082	0.0010	0.050
1/9/03	552	3,532	0.083	0.0011	0.606
2/20/03	1,560	3,415	0.015	0.00019	0.299
				Total	0.656

* : Average vapor flow rate used.

CONCLUSIONS:

Emissions from the carbon units were below the VOC emission limit of 0.022 lbs/hr. Concentrations of PCE,TCE and chloroform at the stack were also below the allowable emission rates of those compounds corresponding to the AgC at the property line.

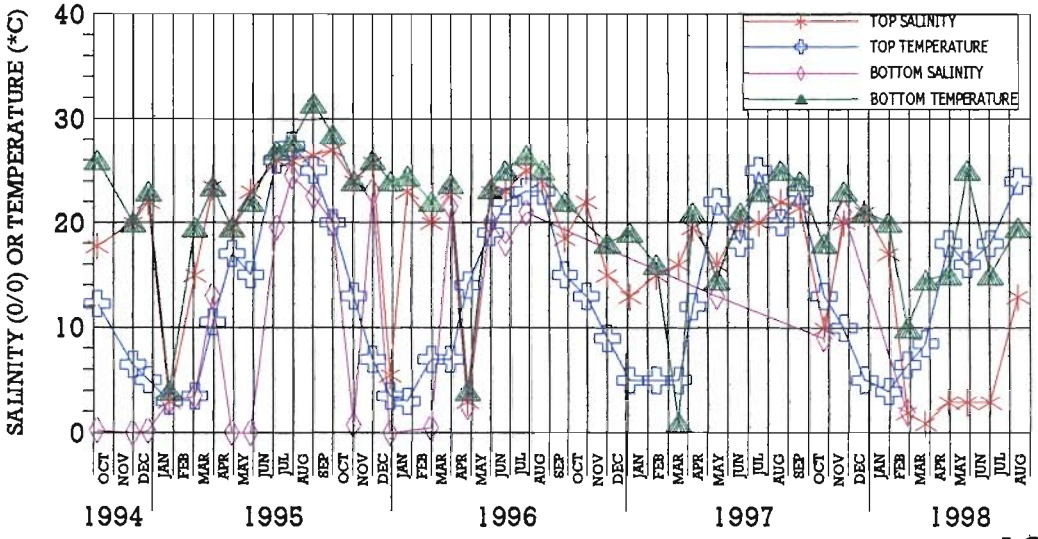
Appendix V:
Temperature and Salinity Graphs

GROUND-WATER REMEDIATION DESIGN
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

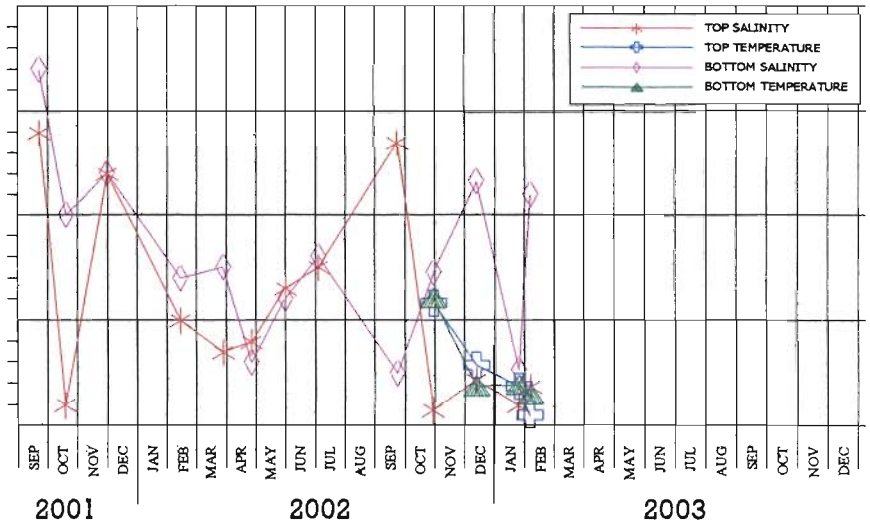
TEMPERATURE AND SALINITY MEASUREMENTS FOR MONITORING POINT S-1 DURING HIGH AND LOW TIDES

HIGH TIDE

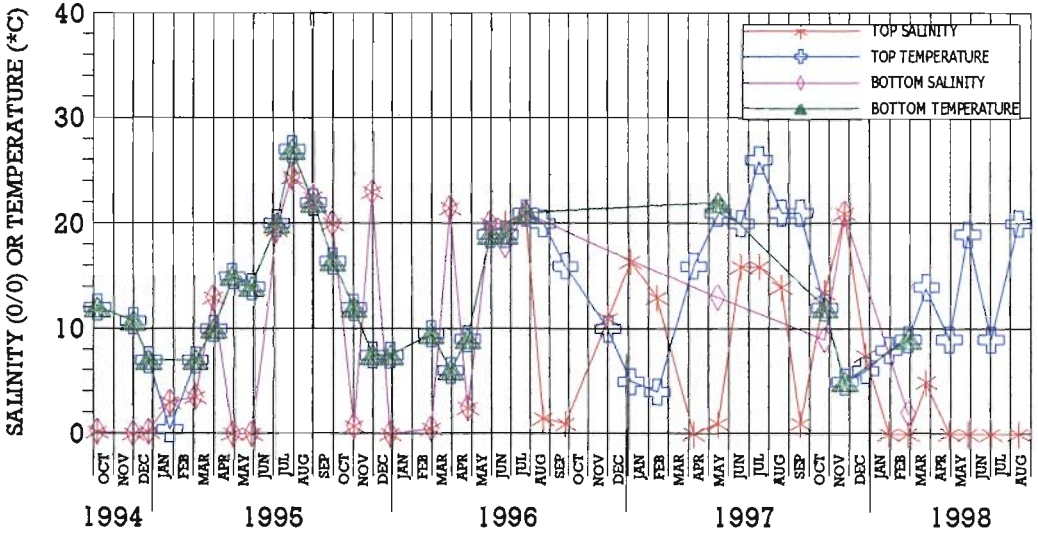
Historic Monitoring Data

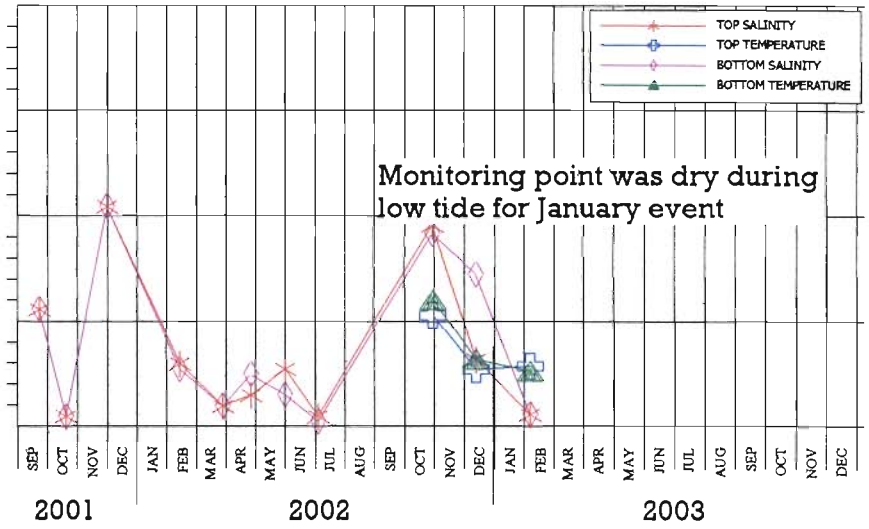


Current Monitoring Data



LOW TIDE





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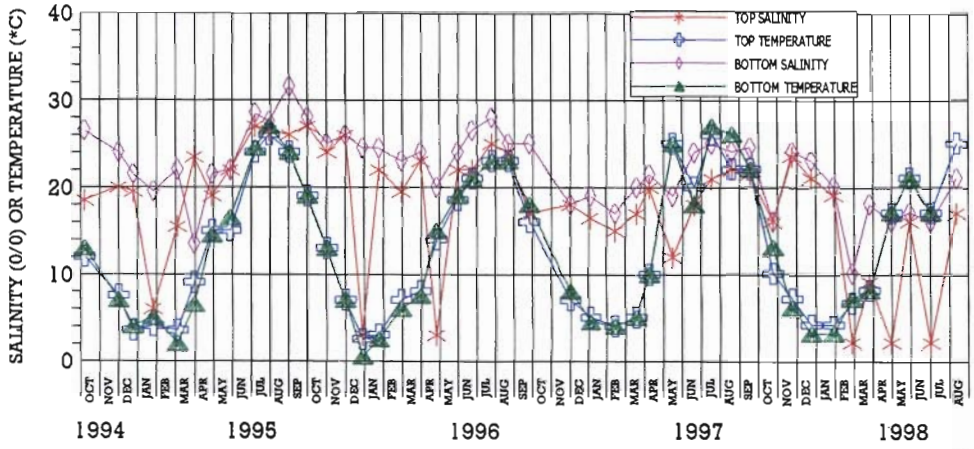
GROUND–WATER REMEDIATION DESIGN
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

TEMPERATURE AND SALINITY MEASUREMENTS
FOR MONITORING POINT S–2
DURING HIGH AND LOW TIDES

HIGH TIDE

Historic Monitoring Data



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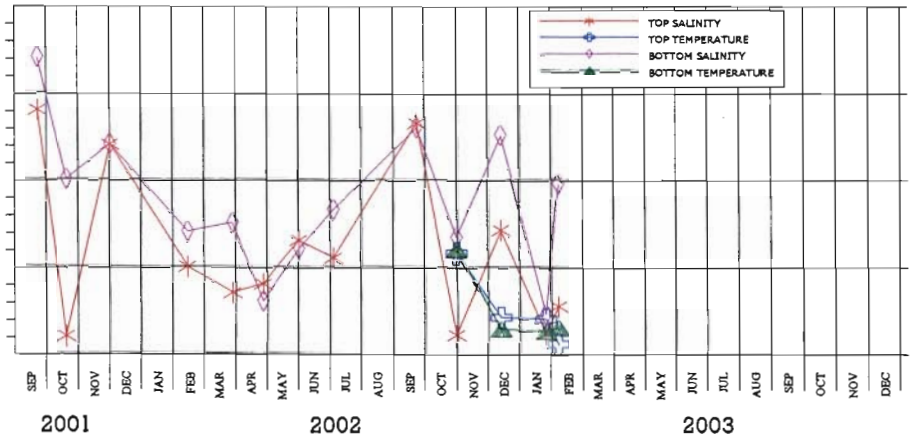

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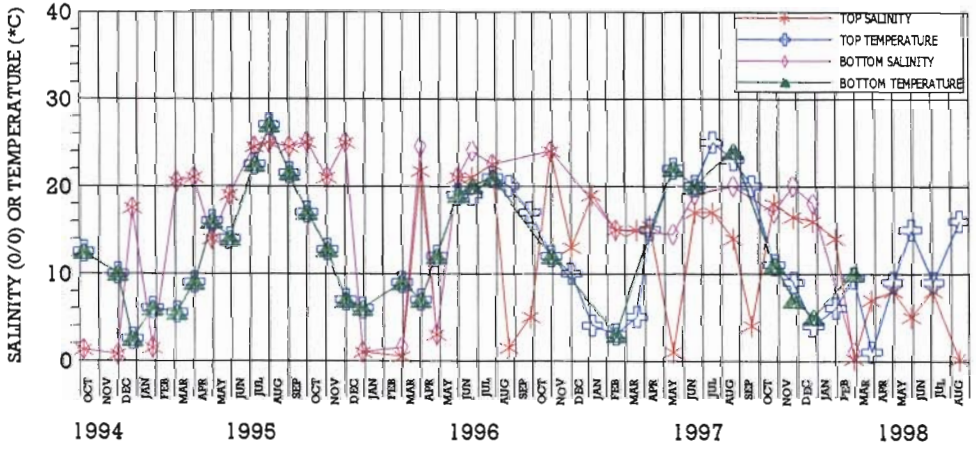

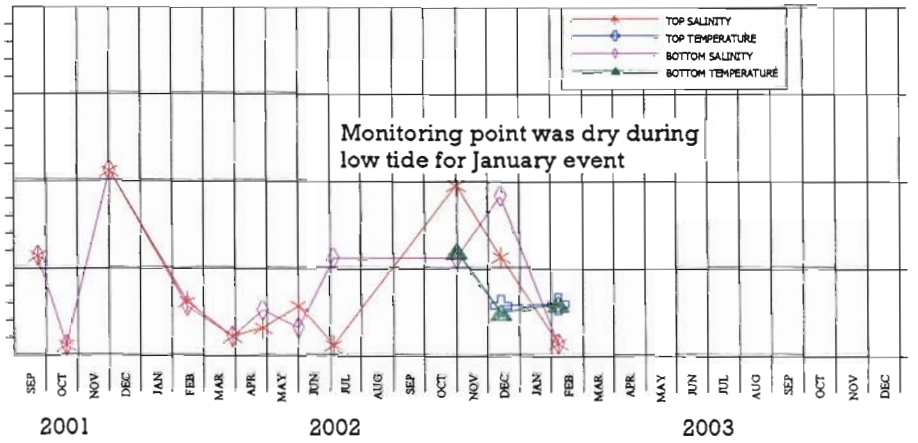

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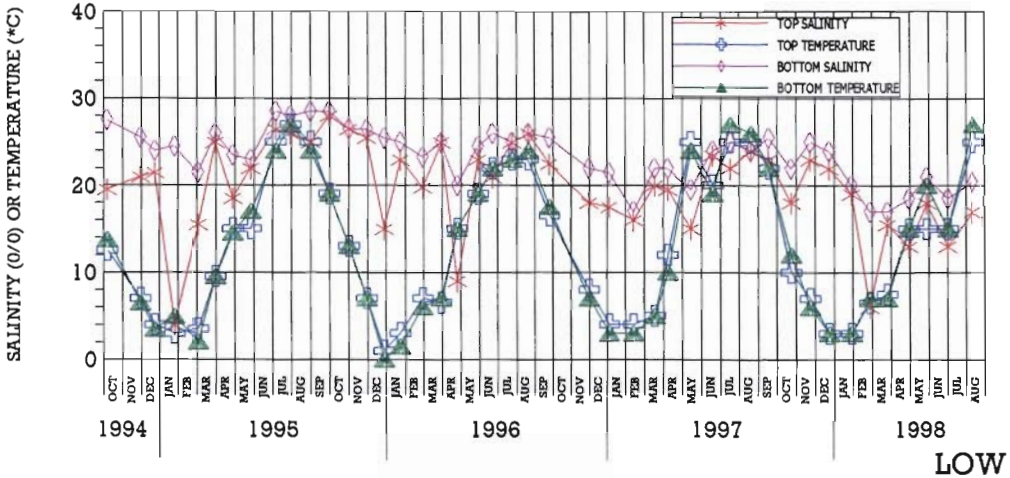
GROUND–WATER REMEDIATION DESIGN
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

TEMPERATURE AND SALINITY MEASUREMENTS FOR MONITORING POINT S–3 DURING HIGH AND LOW TIDES

HIGH TIDE

Historic Monitoring Data



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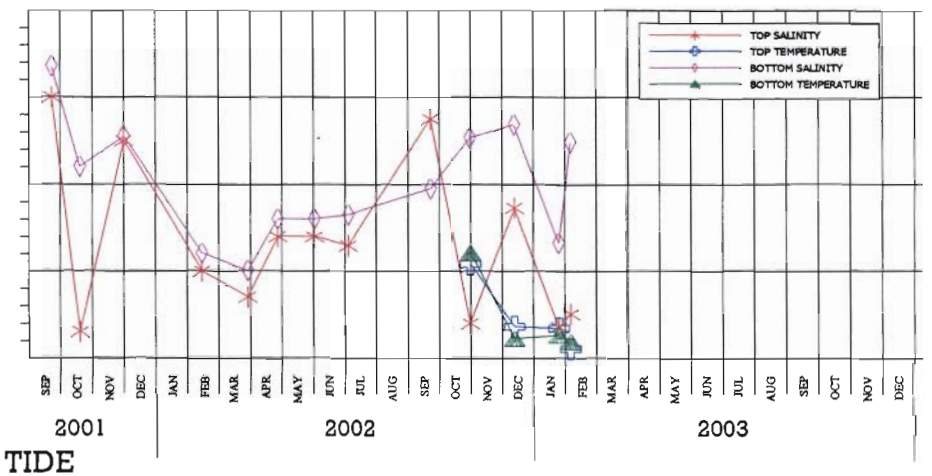

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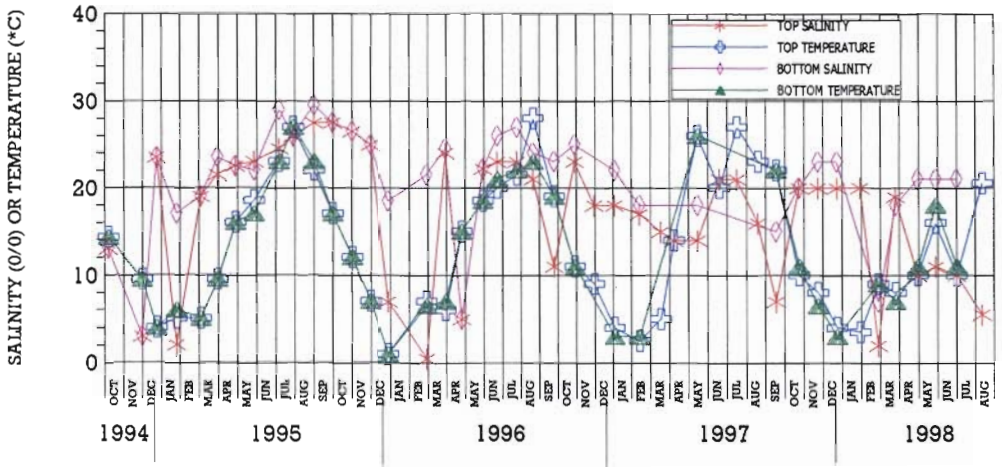

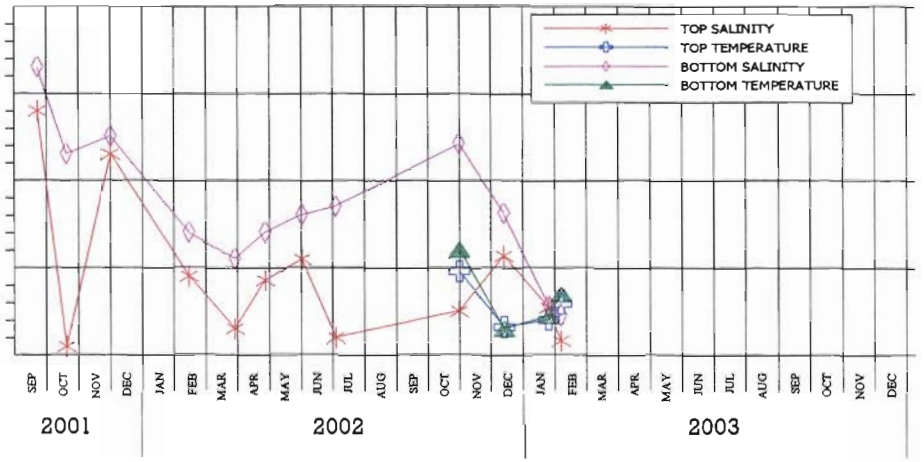

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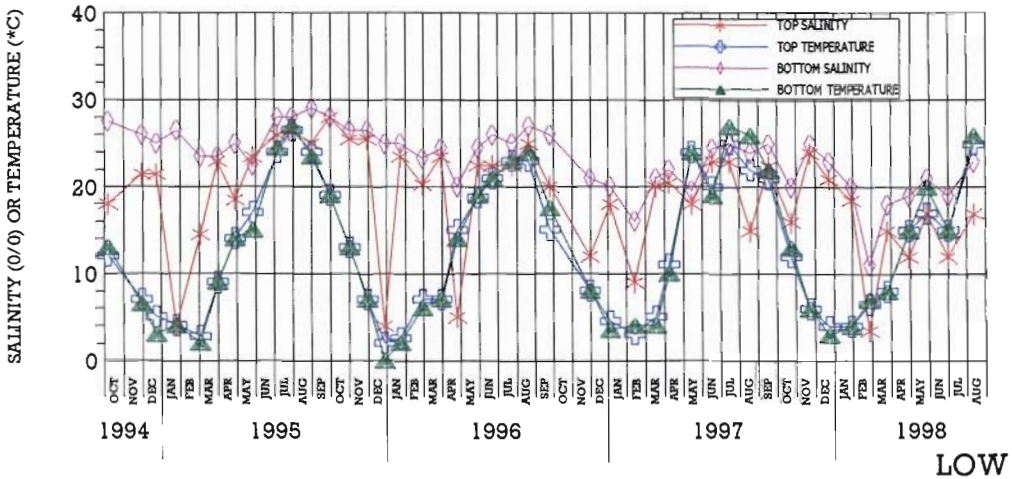
GROUND–WATER REMEDIATION DESIGN
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

TEMPERATURE AND SALINITY MEASUREMENTS FOR MONITORING POINT S–4 DURING HIGH AND LOW TIDES

HIGH TIDE

Historic Monitoring Data



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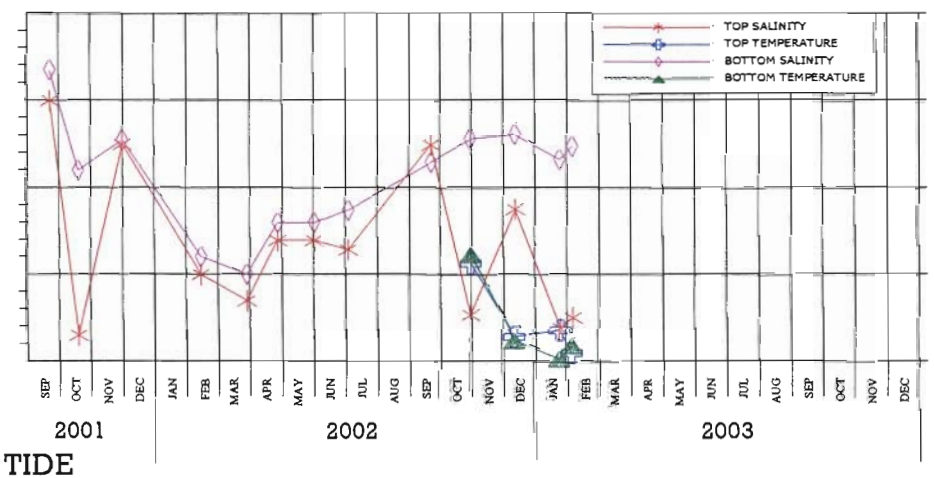

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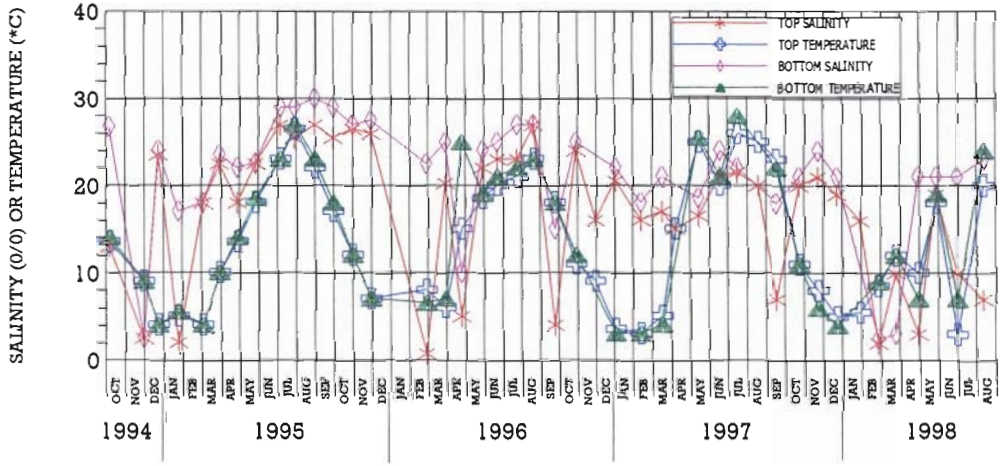

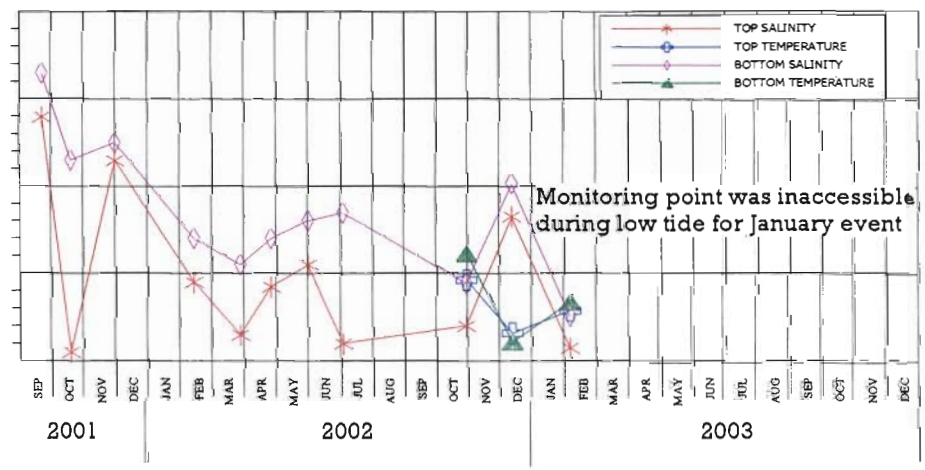

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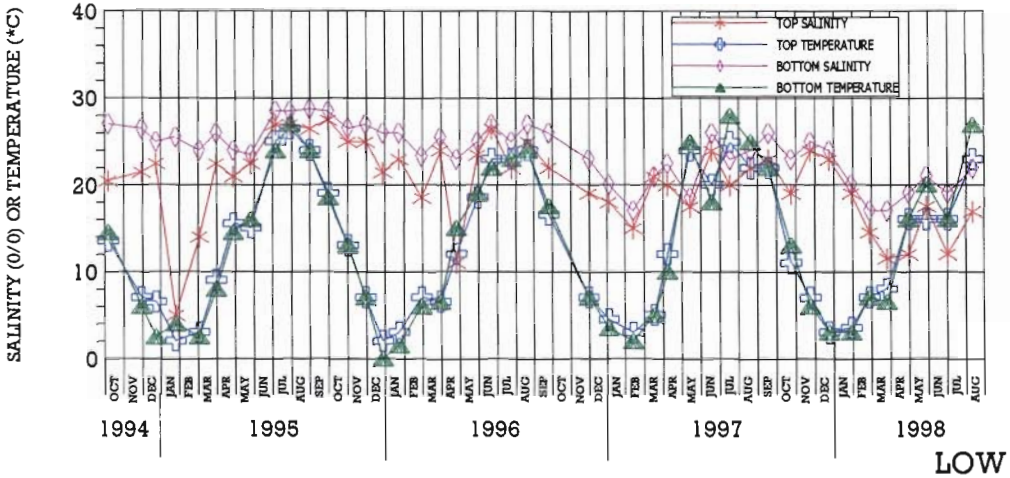
GROUND–WATER REMEDIATION DESIGN
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

TEMPERATURE AND SALINITY MEASUREMENTS FOR MONITORING POINT S–5 DURING HIGH AND LOW TIDES

HIGH TIDE

Historic Monitoring Data



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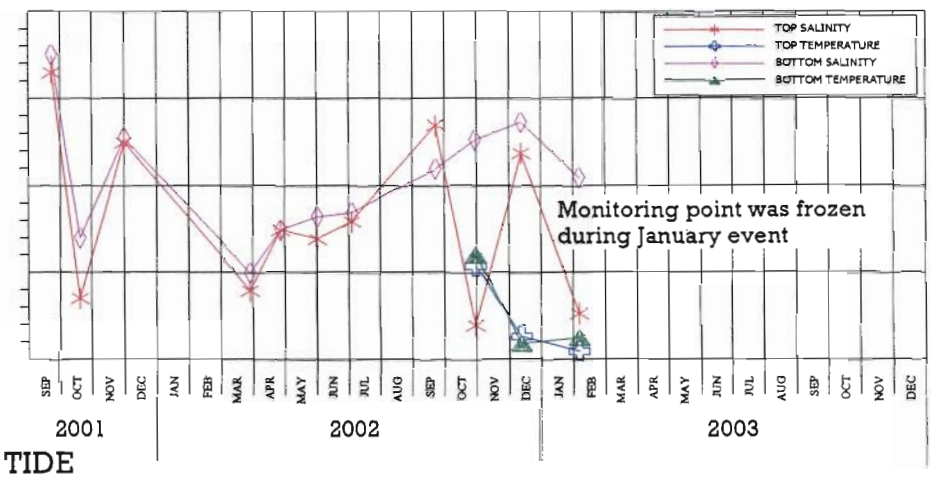

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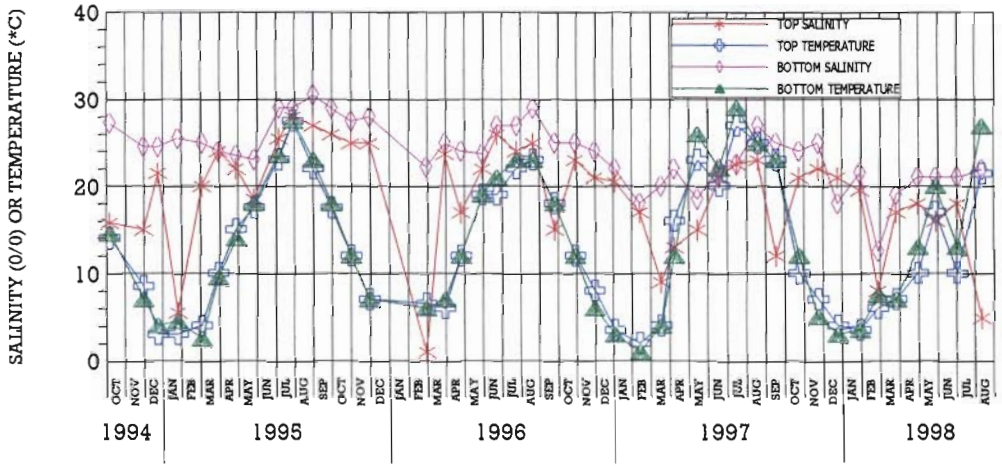

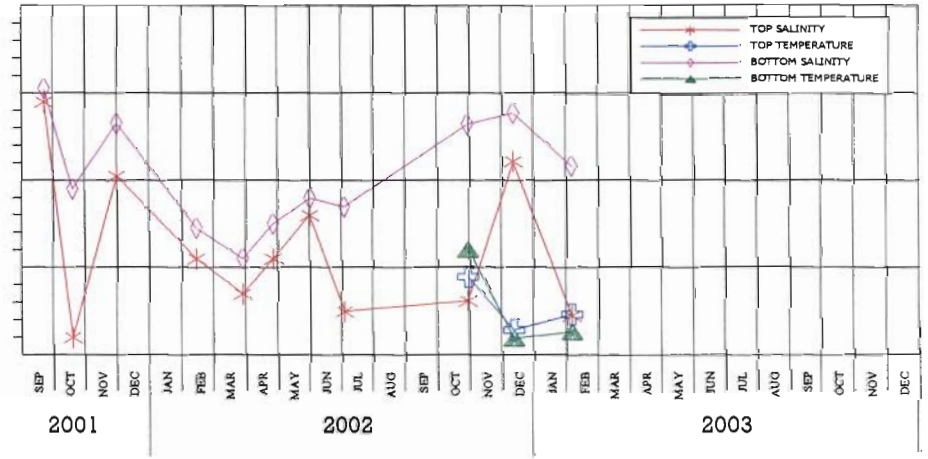

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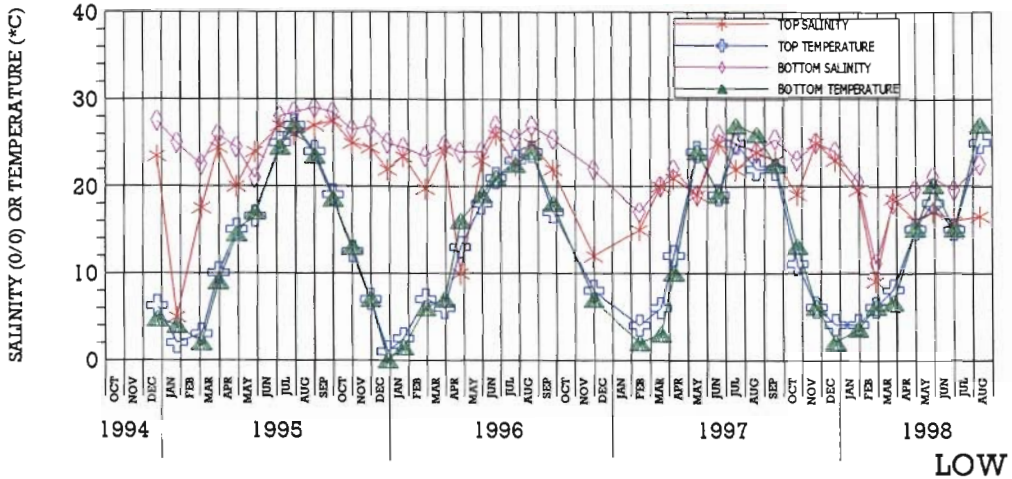
GROUND-WATER REMEDIATION DESIGN
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

TEMPERATURE AND SALINITY MEASUREMENTS FOR MONITORING POINT S-6 DURING HIGH AND LOW TIDES

HIGH TIDE

Historic Monitoring Data



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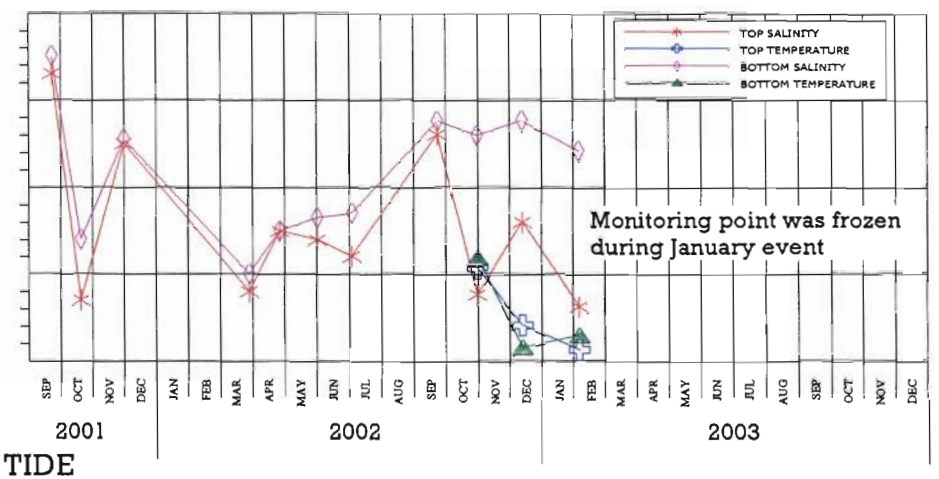

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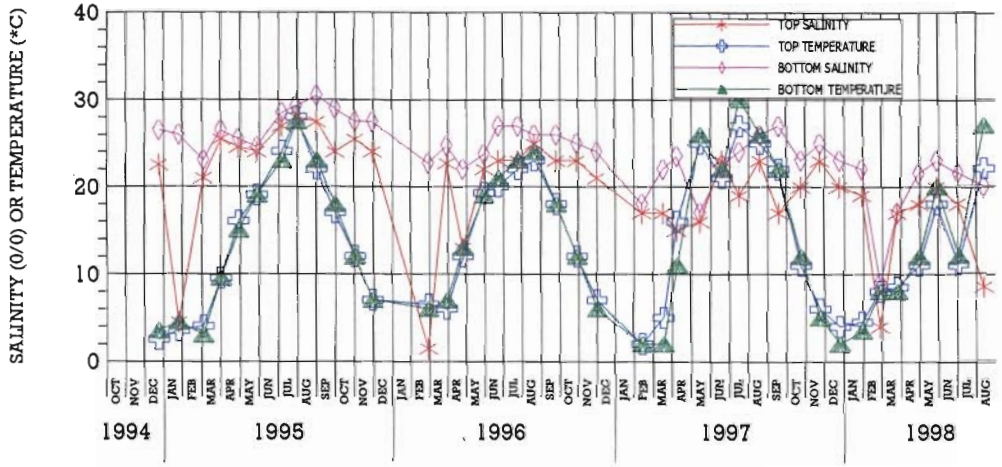

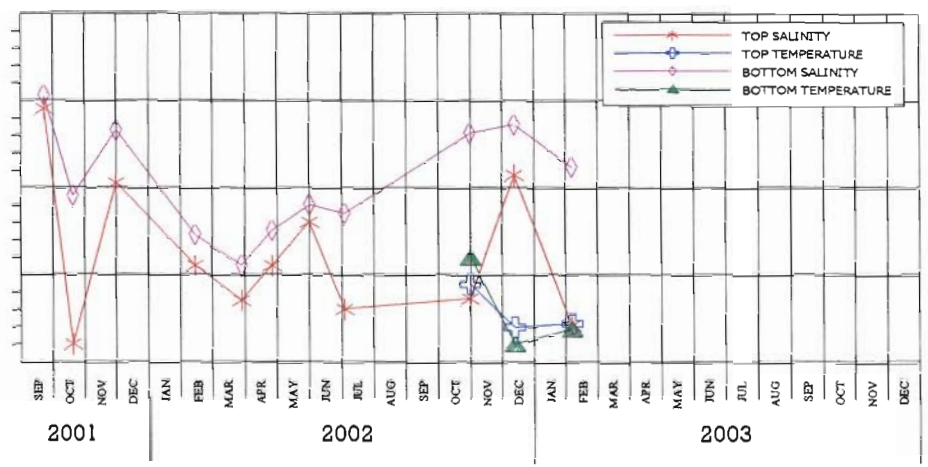

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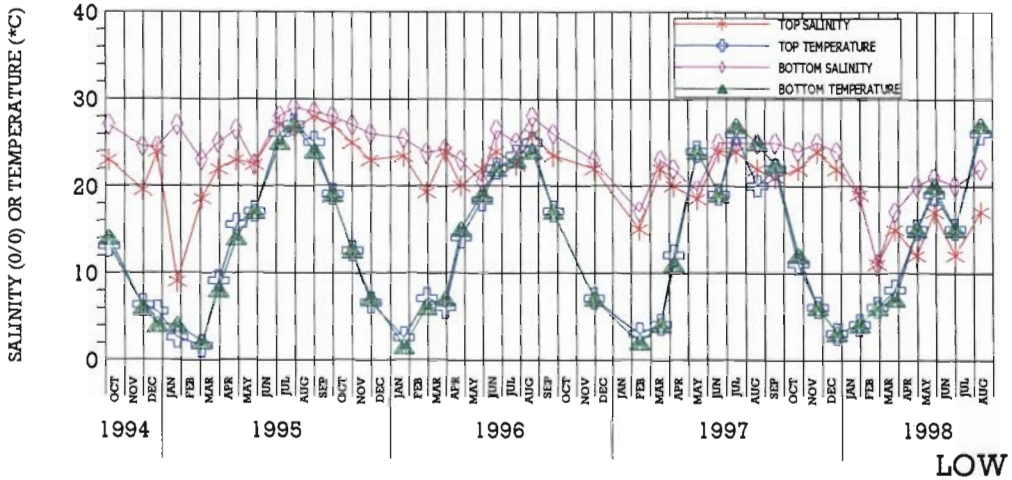
GROUND–WATER REMEDIATION DESIGN
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

TEMPERATURE AND SALINITY MEASUREMENTS FOR MONITORING POINT S–7 DURING HIGH AND LOW TIDES

HIGH TIDE

Historic Monitoring Data



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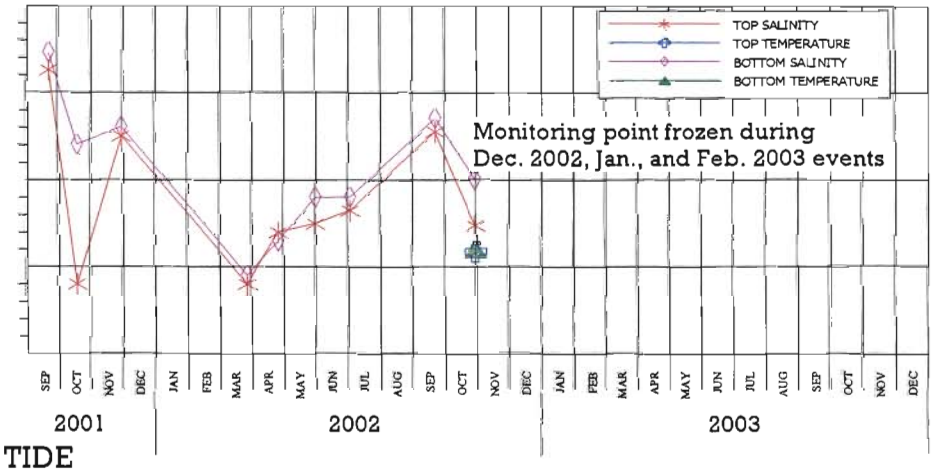

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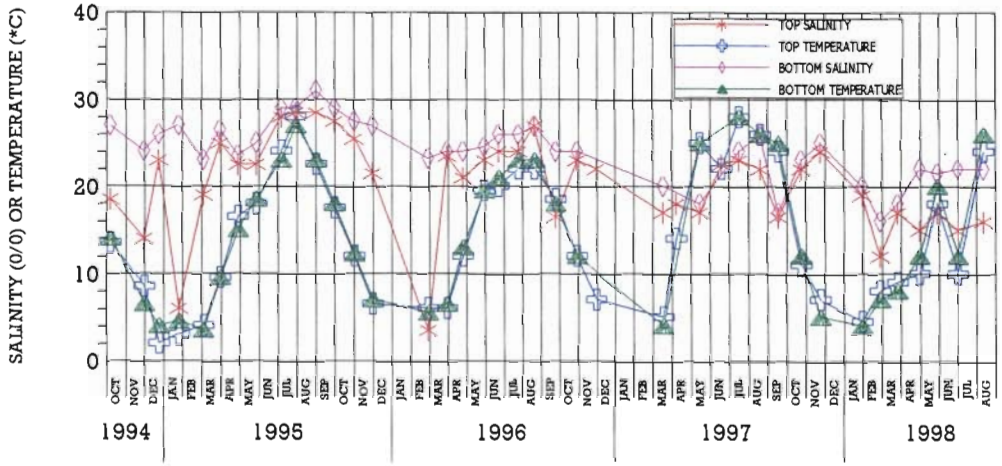

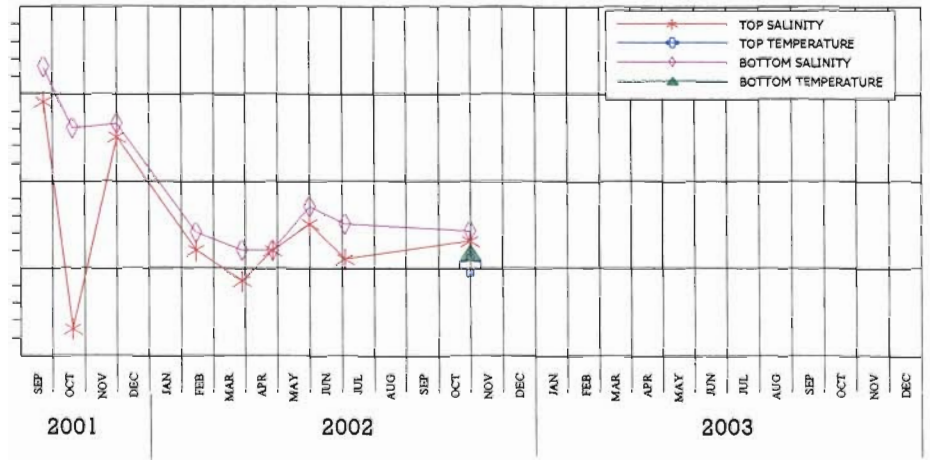

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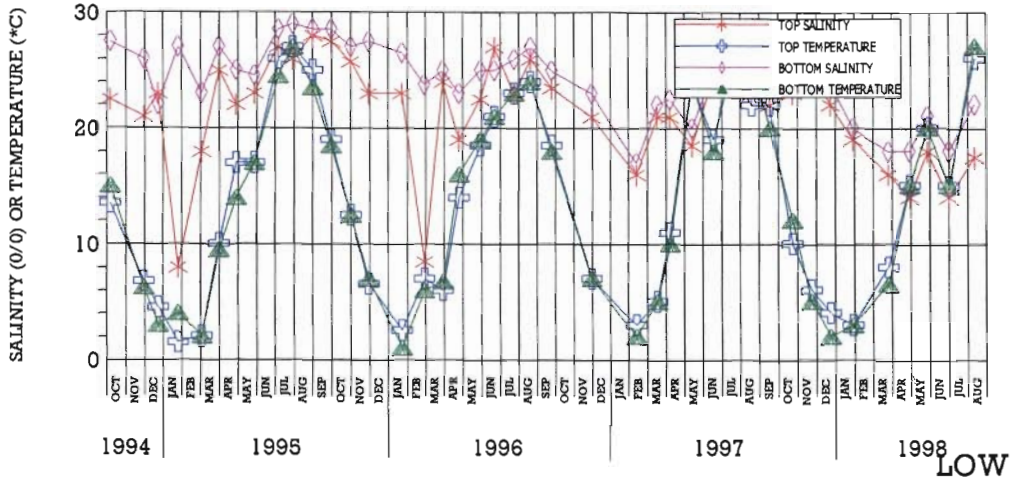
GROUND–WATER REMEDIATION DESIGN
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

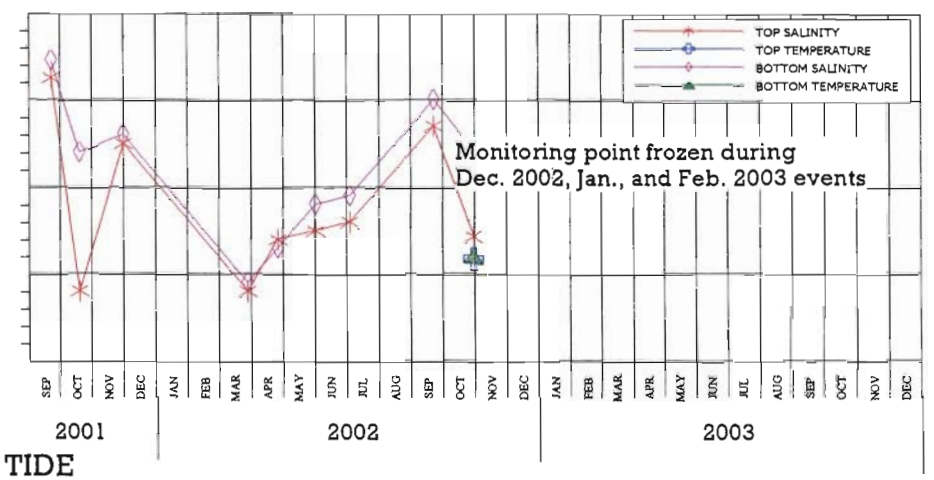
TEMPERATURE AND SALINITY MEASUREMENTS FOR MONITORING POINT S–8 DURING HIGH AND LOW TIDES

HIGH TIDE

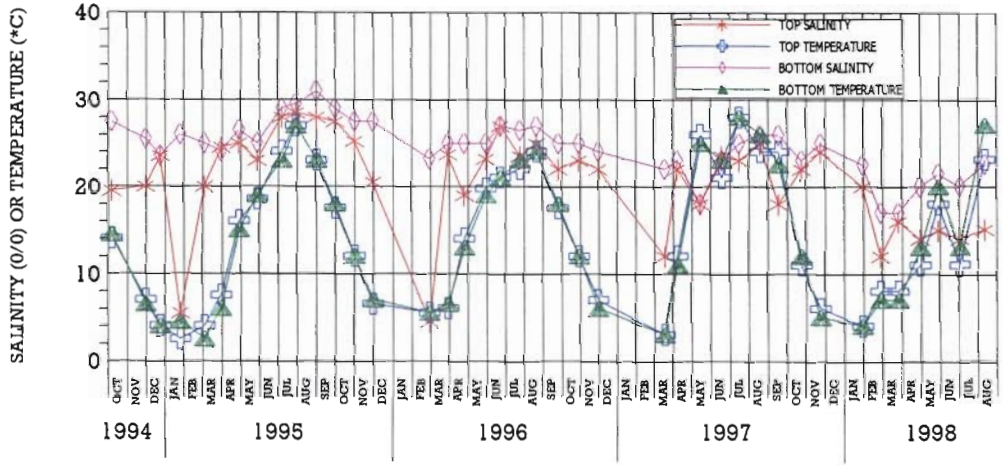
Historic Monitoring Data

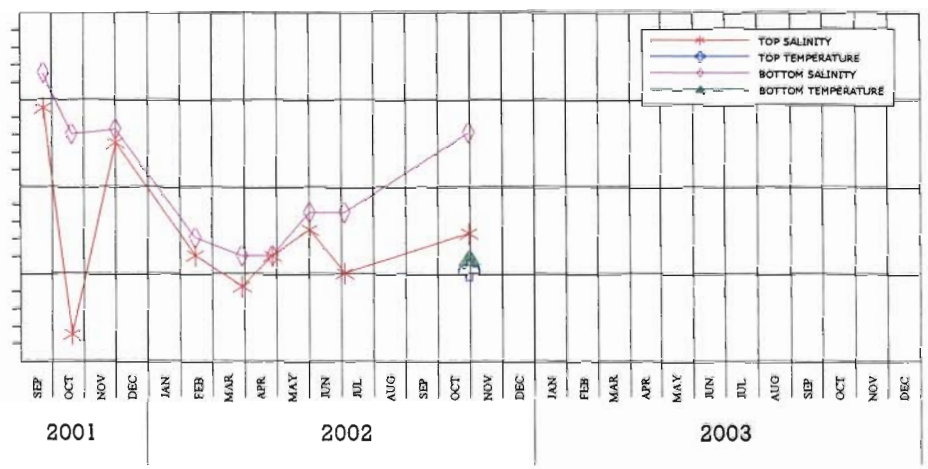


Current Monitoring Data



LOW TIDE





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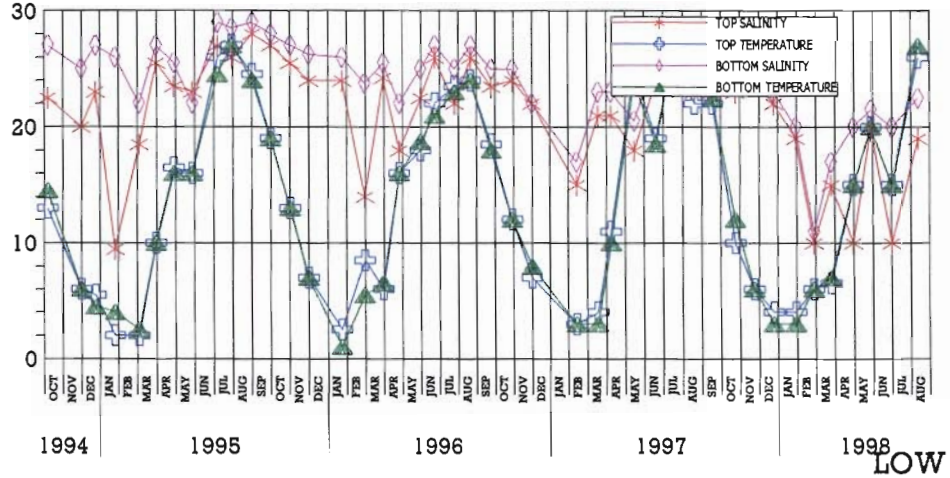
GROUND–WATER REMEDIATION DESIGN
ROWE INDUSTRIES SITE
SAG HARBOR, NEW YORK

TEMPERATURE AND SALINITY MEASUREMENTS FOR MONITORING POINT S–9 DURING HIGH AND LOW TIDES

HIGH TIDE

Historic Monitoring Data



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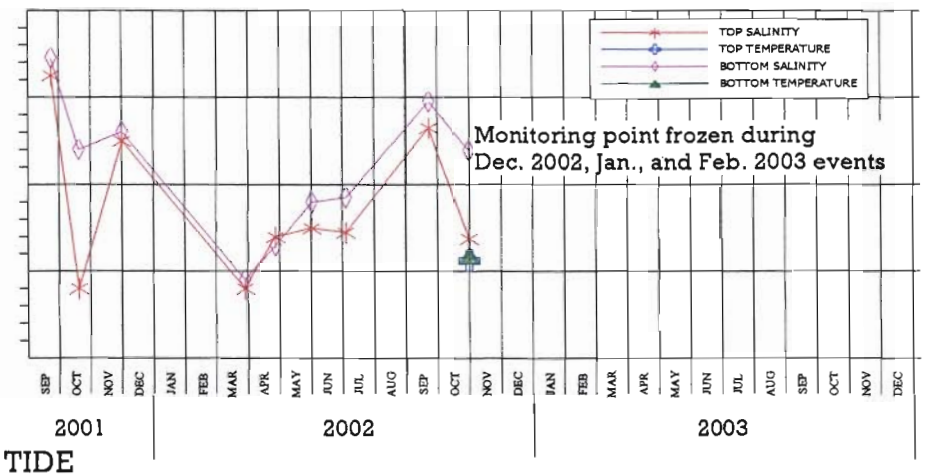

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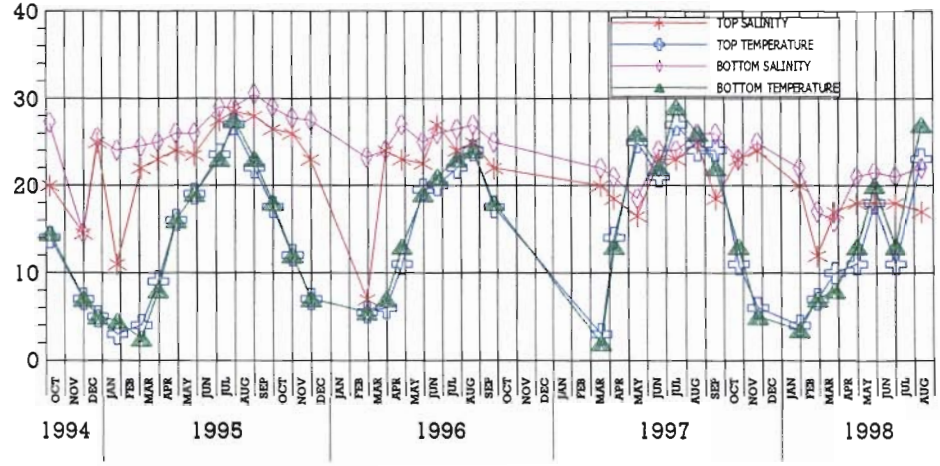

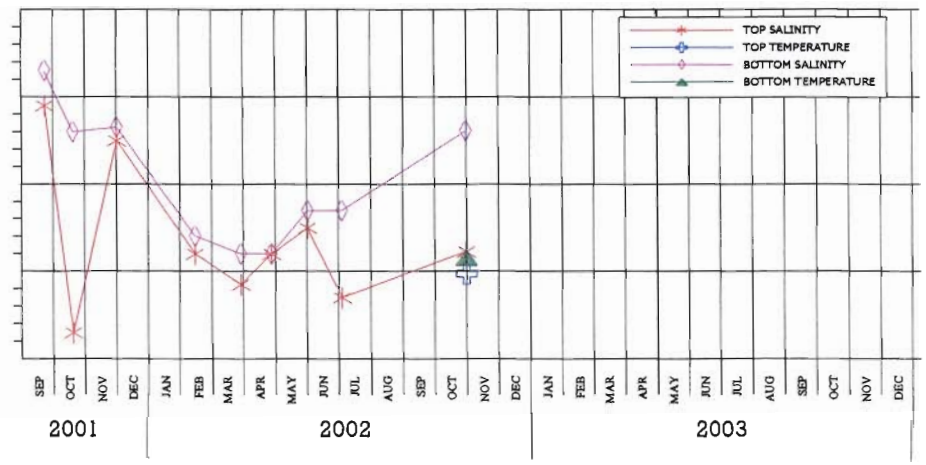

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Appendix VI:
Pond and Brook Hydrographs

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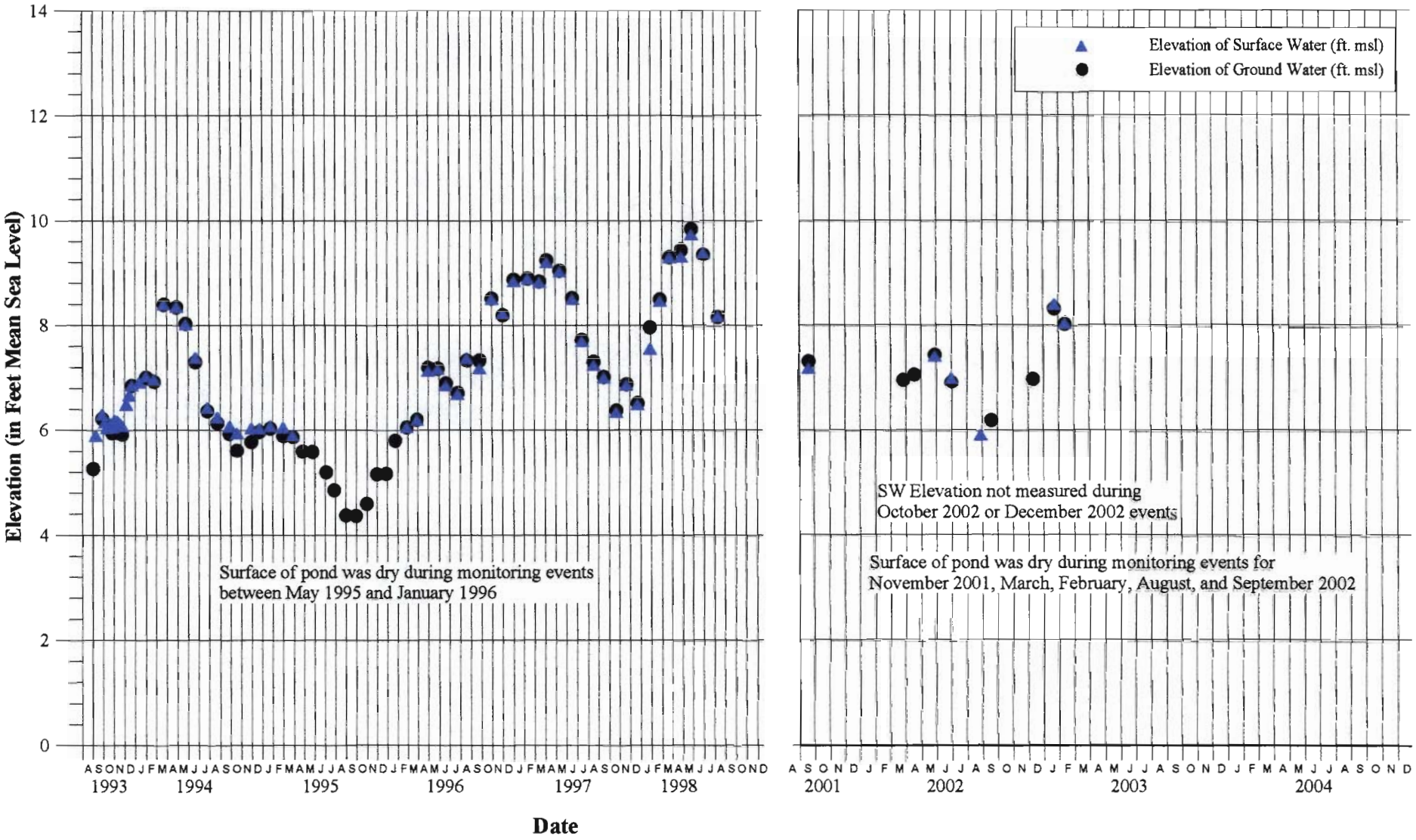
Hydrograph of Whaler's Pond Piezometer



H:\graphics\nabis\nabsag\pond_data\whalers.grf

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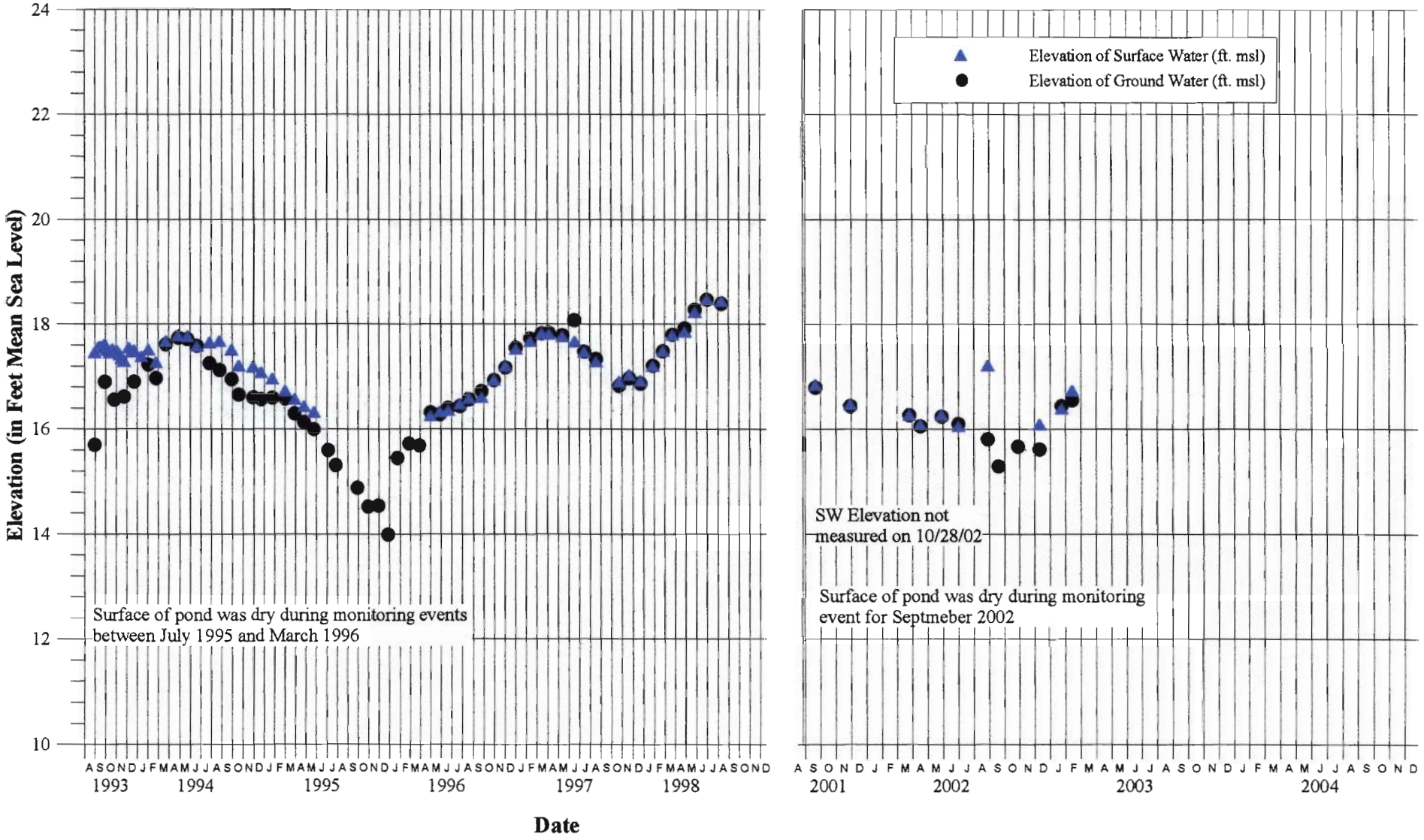
Hydrograph of Lily Pond Piezometer



H:\graphics\nabis\nabsag\pond_data\lily.grf

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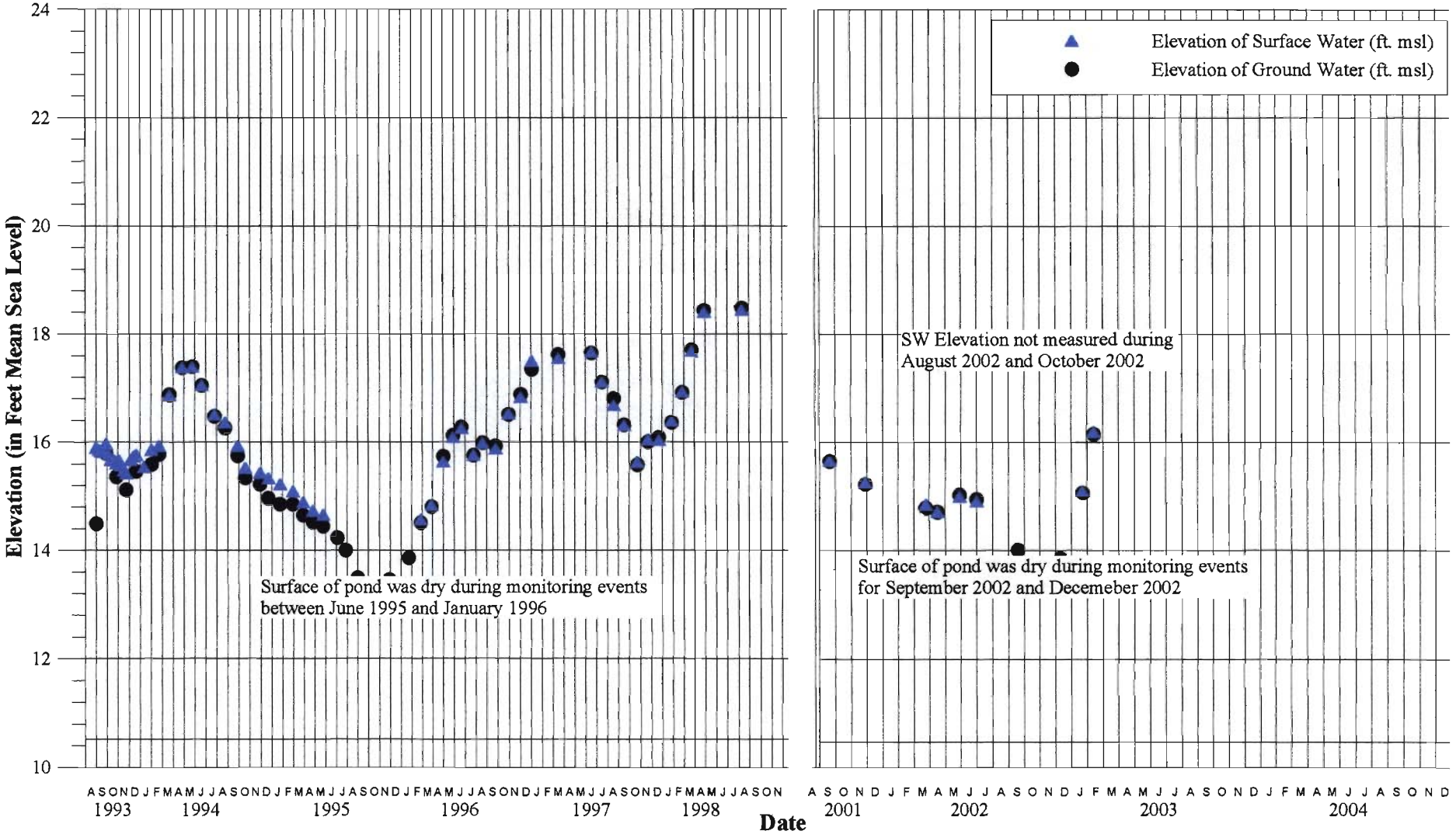
Hydrograph of Crooked Pond Piezometer



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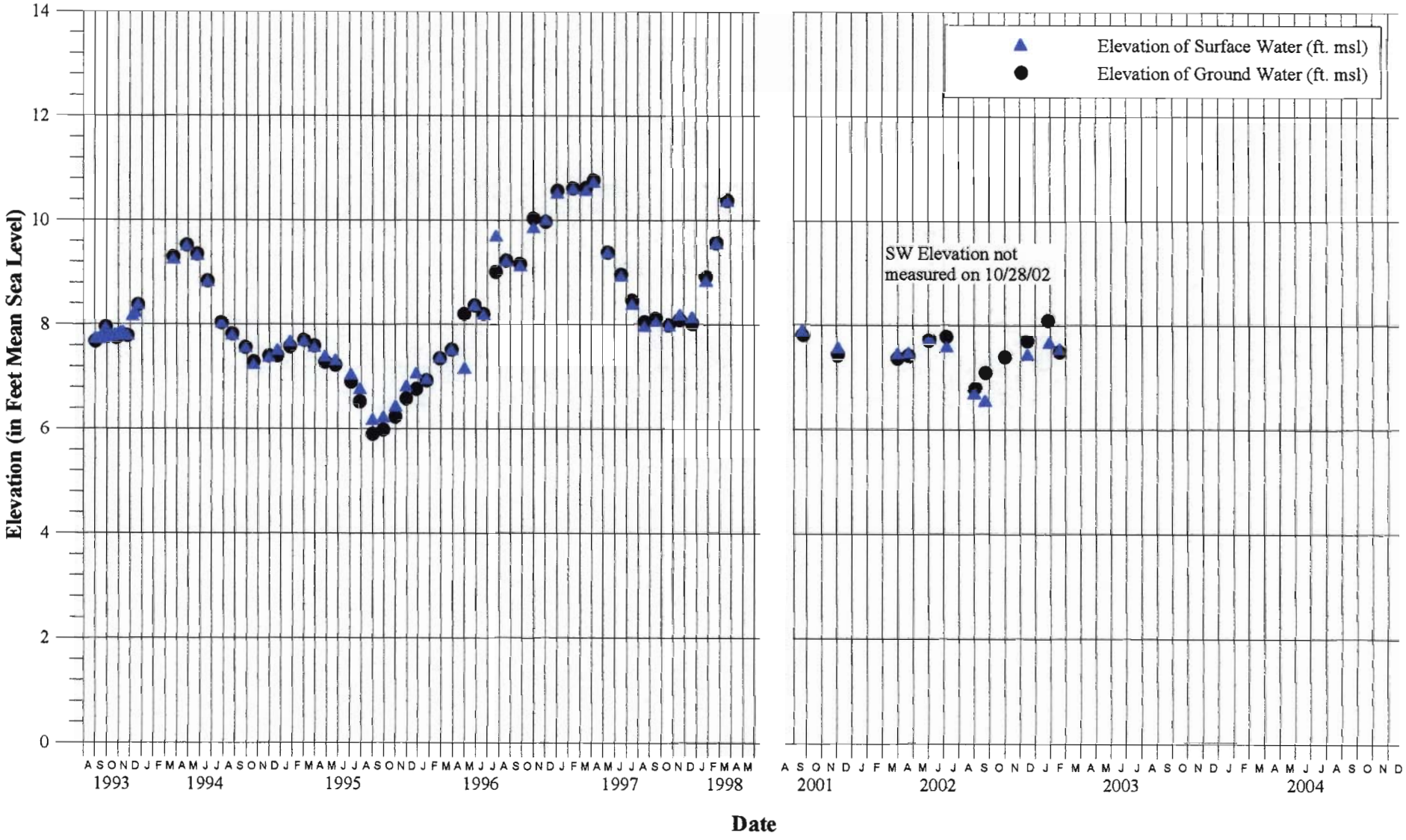
Hydrograph of Round Pond Piezometer



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