Quarterly Monitoring Report

First Quarter 2004

L.E. Carpenter & Company
Wharton, New Jersey

USEPA ID No. NJD002168748

April 2004

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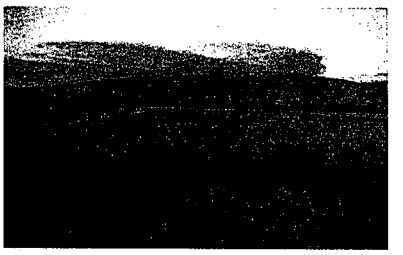
RMT, Inc., Michigan ("RMT")
2025 E. Beltline Avenue SE, Suite 402
Grand Rapids, MI 49546
Tel. (616) 975-5415
Fax (616) 975-1098



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Nicholas J. Clevett
Project Manager

James J. Dexter
Senior Hydrogeologist

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Section 1
Introduction

RMT, Inc. (RMT), on behalf of our client, has prepared this Quarterly Monitoring Report for the L.E. Carpenter and Company (LEC) ("site") located at 170 North Main Street, Wharton, New Jersey (Figure 1). Quarterly monitoring events are performed at the site to comply with paragraph 35 of the 1986 Administrative Consent Order (ACO) issued to LEC by the New Jersey Department of Environmental Protection (NJDEP). We provide a summary of activities completed during the first quarter of 2004, including but not limited to routine quarterly groundwater monitoring, surface water monitoring, and monthly free product recovery activities. In addition, this report outlines activities scheduled for commencement during second quarter of 2004, including additional activities pertaining to implementation of the NJDEP and USEPA approved MNA workplan dated May 2001 as requested by USEPA in their letter dated January 15, 2004, and installation and sampling of passive diffusion bag (PDB) samplers as requested by NJDEP in their letter dated December 16, 2003.

We have certified this report in accordance with requirements outlined in N.J.A.C 7:26E-1.5 (Appendix A).

RMT conducted the following tasks during the first quarter of 2004:

- Monthly mobile free product recovery using enhanced fluid recovery (EFR) techniques in accordance with the NJDEP approval letter dated August 20, 1997 (Reference Section 2, and Figures 2 and 3).
- Quarterly groundwater monitoring as required under the ACO (Reference Sections 3 and 4 and Figures 4 and 5).
- Surface water sampling at the drainage ditch feature that separates the LEC site from the Air Products property as requested in the NJDEP letter dated May 31, 2002 (Reference Section 5).
- Various follow-up activities associated with both the lead and free product investigations, and the proposed conceptual remediation plan. (Reference Section 6).

We provide a discussion of these activities in the referenced sections.

1.1 Response to Regulatory Review of the 4th Quarter 2003 Monitoring Report

We have prepared the following specific responses to the NJDEP comment letter received by LEC on March 23, 2004.

MW-11D(R) will continue to be sampled as part of regularly scheduled groundwater monitoring events until the Remedial Action Work Plan (RAWP) for free-product source reduction has been approved. The well will then have to be abandoned and sealed per New Jersey well abandonment guidelines in order to protect the lower parts of the aquifer while implementing the RAWP.

Profile sampling is currently being performed via sampling of various wells completed at different depths within the unconfined aquifer. To date, no contaminants have been detected within intermediate and deeper portions of the aquifer, and all contaminants are limited to the zone of historical groundwater elevation fluctuations (smear zone). Such a distribution is expected because of the nature of the contaminants (LNAPL) together with site-wide upward vertical hydraulic gradients. As discussed in past reports, occasional detections of DEHP in MW-11D(R) has been a function of various past (pre-low-flow) sampling protocols and laboratory contamination (DEHP is not only ubiquitous in the general outdoor environment, but is also a common lab contaminant). As NJDEP is aware, implementation of the RAWP, scheduled to take place beginning in August 2004, will necessitate the abandonment of numerous existing monitoring wells. Details of these abandonment's as well as installation of appropriate replacement wells, will be included in the RAWP. LEC will work closely with NJDEP to assure that the appropriate intervals will be screened and sampled.

LEC notes NJDEP approval of the locations (Figure 4) for the new wells outside of the source reduction area (to be sampled as part of the MNA program), and the passive diffusion bag (PDB) samplers. LEC will notify NJDEP at least 2 weeks before installing these wells and samplers.

Section 2
Monthly EFR Activities

2.1 Summary of Activities

In August 1997, the NJDEP approved the Remedial Action Plan (RAP), which described free product removal using enhanced fluid recovery (EFR) for the eastern portion of the subject site (east of the railroad right-of-way). EFR is conducted by applying a vacuum to product recovery wells to primarily remove free-phase product in addition to limited volumes of contaminated groundwater and contaminant vapors within vadose zone and capillary fringe soils. As the result of increased aeration, this procedure enhances any natural biodegradation that may be occurring in the soil and groundwater. The locations of the 28 EFR wells purged during each monthly EFR event and all groundwater monitoring wells are shown in Figure 2.

RMT arranged performance of three EFR events during the first quarter of 2004 on January 13th, February 25th, and March 30th. RMT coordinated measurement of the free product thickness in each recovery well (where applicable), followed by EFR. The free-product thickness measured inside well casings and volumes of free product calculated based on the measured thicknesses and the well diameter are referred to herein as "apparent free-product" because free-product in a well is not a measure of actual product thickness or recoverable volumes in the soils adjacent to each well. Tracking total apparent free-product volume and comparing that number to the total volume recovered during an EFR event (as determined by AST gauging with the interface probe) is also a method to determine how much free product was drawn out of the soils surrounding the EFR well casings. RMT observed measurable free product within 10 of the 74 wells monitored on February 25, 2004 (Table 6). Table 1 lists apparent free product thickness measurements recorded during first quarter 2004.

RMT's subcontractor, CEMCO, used the recorded free product measurements to determine the placement of the drop pipe that maximized free product recovery volumes produced during each EFR event. Table 1 also provides a cumulative breakdown of EFR specific information such as minimum and maximum free product thickness levels (in feet), associated waste management costs, and extracted product (liquid and vapor phase) and groundwater volumes (in gallons) to date.

During first quarter 2004, EFR activities were conducted utilizing a Nortech, Inc. 55B vacuum head apparatus capable of producing a vacuum of 17-inches of mercury (in Hg) at 100 cubic feet per minute (cfm). This unit is connected to a fitted 55-gallon drum, and braced to a mobile 4-wheel drive vehicle. When compared to the previously utilized vacuum trucks, use of this

system has enabled CEMCO to get closer to each individual EFR well head, minimizing potential losses in the system previously experienced due to the use of greater lengths of extraction hose, while maximizing the maneuverability of the drop pipe. Use of this system has also resulted in a more efficient EFR event, minimizing the volume of groundwater extracted. The average ratio of extracted groundwater to free product during the first quarter of 2004 was approximately 0.46 gallons/gallon. Between November 1997 to December 1999 (before use of the current extraction method), the ratio of extracted groundwater to free product was 4.7 gallons/gallon.

Once the extraction apparatus is full (approximately 55-gallons), the free product and limited volume of groundwater are transferred to the on-site 550-gallon aboveground storage tank (AST) equipped with secondary containment for satellite storage. The fluids generated during EFR events, including purged groundwater generated during groundwater monitoring activities, are transported off-site by Clean Venture, Inc. (US EPA ID No. NJ0000027193) and managed by Cycle Chem, Inc. (USEPA ID No. NJD002200046) at their facility located in Elizabeth, New Jersey. Waste fluids were transported off-site during first quarter 2004.

2.2 Apparent Free Product Trends

The following sections describe apparent product trends in the western, west central, east central, and eastern portions of the free product area. In this section, apparent product refers to the volume (in gallons) of free product occupying the casing of each EFR well. As described in the following sections, "total volume of apparent free product" represents the sum of product volumes from each EFR well within each of the four segregated regions. This data is summarized on Table 2.

The apparent product thickness is not representative of the actual free product thickness or volume that exists within the formation outside of the well casing. RMT previously evaluated actual or "true" free product thickness and volume in our report entitled Free Product Volume Analysis (May 2000). That report estimated a total volume of recoverable free product actually present in the subsurface to be between at 8,000 and 13,000 gallons. In addition, the LNAPL "true" thickness calculated in the May 2000 report (using the Van Genuchten method) for the area comprising all of the regions discussed below averaged 0.265 feet. The calculated "true" thickness also was very similar to the apparent free-product thicknesses in terms of defining 4 separate regions or sub-areas with the most significant amounts of free product. Similarly in this report, to facilitate description of the current distribution of free product, the zone of free product occurrence has been divided into the same four sub-areas. These four areas, discussed from west to east, are:

2.2.1 Western Region of Free Product

In the western portion of the free product area (EFR wells 1, 2, 3, 17, 18, 20, 21, and 28), there was a decrease in the total volume of apparent free product measured during the first quarter of 2004 compared to the previous quarter (6.90 gallons in 1Q04 down from 11.88 gallons in 4Q03). Free product thickness decreased at EFR well 2, increased at EFR wells 1, 3, 20, and 21 and remained the same at EFR wells 17, 18, and 28. In general, the overall apparent free product volume in the western region continues to decrease since LEC initiated EFR in November 1997 (Appendix B).

2.2.2 West-Central Region of Free Product

In the western-central portion of the free product area (EFR wells 4, 5, 6, 7, 19, 22, 23, 24, 25, 26, and 27), the total volume of apparent free product decreased from 2.42 gallons in 4Q03 to 1.57 gallons in 1Q04. Free product thickness decreased at EFR well 6, increased at EFR wells 5 and 26 and remained the same at EFR wells 4, 7, 19, 22, 23, 24, 25, and 27. The overall apparent free product volume in the west-central region continues to decrease since LEC initiated EFR in November 1997 (Appendix B).

2.2.3 East-Central Region of Free Product

In the east-central portion of the free product area (EFR wells 8, 9, 10, 11, 12, and 13), there was a decrease in the total volume of apparent free product measured during the first quarter of 2004 compared to the previous quarter (4.03 gallons in 4Q03 down to 1.97 gallons in 1Q04). Free product thickness decreased at EFR well 10, increased at EFR well 9, 11, and 13 and remained the same at EFR wells 8 and 12. The overall apparent free product volume in the eastern-central region continues to decrease since LEC initiated EFR in November 1997 (Appendix B).

2.2.4 Eastern Region of Free Product

During first quarter 2004, no free product was detected in the EFR wells 14, 15, and 16. However, a free product thickness of 0.27 feet (0.18 gallons) was measured in nearby monitoring well MW-3. This represents a decrease in the apparent free product for that well compared to the 4th quarter 2003 results.

2.2.5 Site Total Apparent Free Product Area

In general, the total apparent free product trend chart indicates a general decrease in the apparent free product volumes existing within on-site wells. A cumulative breakdown of free product thickness and apparent free product volumes specific to each region is presented in Table 2. Additionally, trend charts for each of the four free product

regions, and for the site as a whole, that graphically display apparent free product volume fluctuations over time are presented in Appendix B. Figure 3 shows iso-thickness contours and the lateral extent of apparent free product on-site during first quarter 2004. This figure incorporates the apparent free product thickness measurements from the groundwater monitoring event conducted by RMT on February 23, 2004 and the pre-EFR event measurements obtained by CEMCO on February 25, 2004.

2.3 Recovered Free Product Volume Estimates

After the completion of each EFR event, the total volume of extracted fluid was determined by gauging the 55-gallon vacuum head drum previously mentioned in Section 2.1 with an oil/water interface probe. The drum was allowed to stabilize for one hour prior to gauging to allow for separation of emulsified product resulting from aggressive recovery prior to gauging. Gauging was conducted on a level surface and recorded thickness was converted to volumes based on a conversion of 1.65 gallons per inch of fluid thickness in the 55-gallon drum. Recovered liquid free product volume was determined by subtracting the volume of water from the total fluid volume collected in the 55-gallon drum. Vapor phase product volume was estimated based on vacuum head airflow (in cfm) and vented contaminant concentrations (in ppm) obtained during extraction at each EFR well. The volume (combined liquid and vapor phase) of free product extracted during each month's EFR event is presented in Table 3.

The total extraction volume (measurable free product, product vapor, and groundwater) during first quarter 2004 was 65.50 gallons. Approximately 43.47 gallons of that amount were measurable free product as determined by vacuum head drum gauging and vapor phase volume calculations, and 19.39 gallons were groundwater. Since initiation in December 1997, on-site EFR activities have removed approximately 15,158 gallons of total fluids, of which, approximately 3,950 gallons were measurable free phase product. Based on historical modeling data (Ref. Section 2.2), approximately 4,050 to 9,050 gallons of recoverable free product remains in the ground. Tables 1, 2, and 3 contain a complete breakdown of EFR related information.

Section 3
Quarterly Groundwater Monitoring

RMT conducted groundwater monitoring activities in the first quarter of 2004 on February 23rd, 24th, and 25th. In the past, we performed groundwater monitoring in accordance with the procedures contained in the NJDEP's *Field Sampling Procedures Manual* dated May 1992. However, in second quarter 2002 we initiated groundwater monitoring using the low-flow methodology outlined in our May 2001 Workplan for Supplemental Investigation of Natural Attenuation of Dissolved Constituents in Groundwater (MNA workplan). The MNA workplan was approved by NJDEP on January 24, 2002. Although the sampling was performed using low-flow methods, the remaining parts of the MNA workplan have not yet been initiated, although a QED bladder pump system with disposable Teflon bladders (as described in the approved MNA workplan Quality Assurance Project Plan (QAPP)) was used as dedicated monitoring equipment to collect groundwater samples at LEC. However, per the comments received from USEPA on January 15, 2004 regarding their review of the 3rd quarter 2003 monitoring report, LEC began implementing portions of the MNA workplan beginning with the 1st quarterly sampling event in 2004. Locations of the quarterly monitoring wells are shown on Figure 2.

Monitoring wells MW-4, MW-11D(R), MW-14S, MW-14I, MW-15S, MW-15I, MW-17S, MW-21, MW-22(R), and MW-25(R) were sampled utilizing the low-flow methodology outlined in the QAPP, presented in Appendix A of the approved MNA workplan. Specifically, RMT used a QED bladder pump to remove groundwater at a low rate (average of 0.3 L/minute). Before sampling the wells we measured field parameters until they stabilized to obtain a representative sample of the formation water for laboratory testing. Monitoring well sampling data for the first quarter of 2004 is presented in Appendix C. Once the field parameters in each well stabilized, or following adequate purging if stabilization could not be achieved, samples were collected from the Teflon-lined polyethylene tubing of the bladder pump. RMT submitted the samples to Lancaster Laboratories, Inc. (Lancaster), located in Lancaster, Pennsylvania for benzene, toluene, ethylbenzene, xylenes (BTEX) and bis (2-ethylhexyl) phthalate (DEHP) analysis per the current groundwater monitoring protocol outlined in Table 4.

A sample duplicate, a field blank, a trip blank and a rinsate blank were collected to satisfy Quality Assurance/Quality Control (QA/QC) requirements. A summary of the quarterly groundwater monitoring QA/QC requirements for the LEC site is also outlined in Table 4. The trip blank was prepared by the laboratory and remained with the sample containers until the

samples were returned to the laboratory. The duplicate was collected from monitoring well MW-15I (duplicate sample No. Dupe-01) and analyzed for BTEX and DEHP. The rinsate blank was collected by circulating triple distilled water through the cleaned bladder pump assembly to verify that the decontamination procedures were adequate. Any sampling equipment used at each well was decontaminated prior to each use utilizing an environmental detergent (Alconox) and clean water wash followed by a distilled water rinse. The field (atmosphere) blank was collected during the sampling event by opening a bottle of unpreserved de-ionized water provided by the laboratory, leaving the bottle open during the sampling of one well, and pouring that water directly into clean sample bottles with added preservative also provided by the laboratory.

A comparison of the results of the chemical analyses to New Jersey Class IIa Groundwater Quality Standards (NJGWQS) is outlined in Table 5. The presence of BTEX and/or DEHP was not detected at concentrations above NJGWQS in samples collected from MW-4, MW-11D(R), MW-14S, MW-14I, MW-15S, MW-15I, MW-17S, MW-21, and MW-25(R). The presence of DEHP was detected in MW-22(R) at a concentration of 3800 µg/L. The concentration detected at MW-22(R) exceeds the NJGWQS for DEHP of 30 µg/L. In addition, at MW-22(R), total xylenes were detected at a concentration of 1500 µg/L, which also exceeds the NJGWQS of 40 µg/L.

Even though concentrations of total xylenes and DEHP at MW-22(R) have consistently exceeded NJGWQS, concentrations of these constituents at downgradient monitoring location MW-14S have never exceeded NJGWQS. In addition, contaminant concentrations at monitoring location MW-25(R) (also located downgradient from MW-22R at certain times of the year) have not exceeded NJGWQS since second quarter 1997, and contaminant concentrations further downgradient at MW-21 have never exceeded NJGWQS since sampling began at this location in first quarter 1999.

It is important to note again that there is no discernable trend of DEHP concentrations in MW-11D(R) when the data are viewed in total from 1999 through 2003 (Table 5; Appendix D). In addition, as we have described in previous reports, DEHP has been problematic in terms of laboratory analytical results because it is ubiquitous in the environment, and it is also a common laboratory contaminant. Based on the following facts: 1.) DEHP has often been found in laboratory blanks, 2.) past difficulties with field decontamination of sampling equipment, and 3.) the very strong upward vertical hydraulic gradient (Table 6), sporadic past DEHP detections in MW-11D(R) are false positives. LEC has performed a variety of tasks in order to eliminate or minimize production of false positive data. The first steps we took were to institute more rigid field decontamination procedures in order to minimize potential field cross-contamination, as well as changing to in-field use of triple-distilled decontamination water. This was followed by initiation of low-flow sampling methodology (March 2002) in order to

minimize amounts of suspended particulate matter (*e.g.* clay particles) and stagnant water within the well riser.

Despite these actions, laboratory cross-contamination of DEHP still proved to be a concern in monitoring events through fourth quarter of 2002. As a result RMT evaluated several laboratories in terms of their in-house program to minimize DEHP as a common lab contaminant. As was mentioned in the fourth quarter 2002 monitoring report, beginning with first quarter 2003 Lancaster Laboratories, Inc., a New Jersey certified laboratory, performed all laboratory analyses. As shown in the first quarter 2004 analytical results provided by Lancaster, DEHP was not detected above the method detection limit (MDL) of 1.0 µg/L in either the laboratory blanks nor in any of the Quality Assurance/Quality Control (QA/QC) samples taken during this event.

LEC will continue to sample groundwater from MW-11D(R) and test it for the presence of DEHP. However, MW-11I(R) and MW-11D(R) will be properly abandoned prior to initiation of the free product remediation, currently scheduled to begin in late August 2004. This should satisfy the concerns of potential future upward trends in concentrations for the deep well expressed in the NJDEP letter received on December 16, 2003.

Section 4
Water Table Elevations

On February 23, 2004, RMT measured static groundwater levels from 86 different locations throughout the site (Table 6). RMT used these data to calculate groundwater elevations and evaluate the groundwater flow pattern in the shallow aquifer system.

Figure 4 displays the site-wide shallow groundwater elevation contours, and indicates that groundwater flow direction in the shallow aquifer east of the rail spur is similar to that observed historically (generally toward the east). Washington Forge Pond acts as a constant head boundary that provides the driving head for both shallow and deep groundwater flow. As a result areas of the site exhibit upward vertical gradients, while the drainage ditch acts as a discharge zone, as does the downstream portion of the Rockaway River. The portion of the Rockaway River south of and immediately adjacent to the site is often a losing reach, particularly in drought periods when the groundwater levels beneath the site are depressed a few feet and a gradient from the River into the site occurs. As one moves downstream the River oscillates between losing and gaining and the flow regime is often difficult to define.

Also exhibited in Figure 4 are the effects caused by the presence of the drainage ditch. The drainage ditch acts as a local groundwater "sink", and shallow groundwater flow direction from a large portion of the site is controlled by the drainage ditch.

The regional groundwater "sink" for this area is the Rockaway River, and it is this feature that causes the strong upward vertical gradients observed for all of the on-site well clusters. For example, the water elevation in MW-11D(R) is 2.70 feet higher than the corrected water elevation for its' shallow counterpart MW-11S (Table 6). Similarly, data collected during the 4th quarter 2003 sampling event shows the water elevation in MW-14I is 0.51 feet higher than the water elevation for its' shallow counterpart MW-14S. EPA noted in their January 15, 2004 letter that the vertical gradient measured at the well 14 cluster for the 3rd quarter 2003 event was downward, not upward. However, when examining the levels measured just prior to sampling each of these wells (see Appendix C of the 3rd quarter report) an upward vertical gradient is apparent (the field procedure is to measure water levels in all the wells before sampling occurs, but water levels are measured again in every well that is sampled). It is most likely that the initial measurements at the MW-14 well cluster were collected too rapidly in the field without allowing enough time for the newly opened well to equilibrate with atmospheric pressure. Historical water level data for this and other locations of well clusters confirms the predominant upward vertical gradients across the site (Figures 9, and 10).

Historically, shallow groundwater at the southern edge of the LEC site often appears to be recharged directly by the Rockaway River and flows towards the site before turning eastward toward the drainage ditch and the narrow area between the Air Products property and the Rockaway River known as the Wharton Enterprises property. At other times, flow at the southern edge of the site appears to head east-northeast parallel to the Rockaway River (Figure 4). Shallow groundwater on the Air Products property flows southeast, south, and southwest towards the drainage ditch.

The potentiometric surface contours were generated using the measured fluid level elevations in site shallow wells. We also used surface water elevations from points in the Rockaway River, the drainage ditch and the Washington Forge Reservoir to control and interpret the groundwater elevation contours.

Section 5
Drainage Channel Surface Water Sampling

As part of the first quarter 2004 event, RMT sampled the eastern drainage channel that separates the adjacent Air Products facility from the LEC site and the adjacent Wharton Enterprises property. This sampling was conducted at the request of NJDEP as outlined in their letter dated May 31, 2002. As requested in the NJDEP letter dated November 4, 2002, grab sampling was performed in the three locations along this channel (SW-5, SW-7 and SW-8). Sampling started with the downstream location SW-8 and proceeded to upstream location SW-7. Similar to previous sampling event results, the drainage ditch influences shallow groundwater flow direction as described in Section 4.

BTEX compounds were not detected at SW-7. The surface water samples collected at SW-5 and SW-8 contained very low levels of total xylenes (1.90 µg/L and 6.8 µg/L respectively) and ethyl benzene (0.3 µg/L and 0.8 µg/L respectively). Only surface water location SW-5 contained very low levels of DEHP (2.0 µg/L). Detections, with the exception SW-5 total xylenes, are "J-qualified" meaning they were estimated values falling between the MDL and the Limit of Quantitation (LOQ). These concentrations are below the surface water quality criteria for toxic substances outlined in N.J.A.C 7:9B-1.14 and NJGWQS. Historical and current surface water sampling results are summarized in Table 9.

These data show that BTEX and DEHP constituents dissolved in groundwater are naturally attenuating, and that migration of the these primary constituents of concern is not taking place at levels above applicable standards in surface water within the drainage channel nor in groundwater beyond MW-25(R) located on the Wharton Enterprises property. In other words, the area of on-site free product results in an aerially limited downgradient "halo" of dissolved phase contaminants in groundwater that make up a stable (non-expanding) plume. Future site monitoring activities will include surface water sample collection at the same three locations.

Section 6
Site Investigation and Remedial Actions

The following section briefly outlines additional activities and scope(s) of work performed at various on-site areas of environmental concern during first quarter 2004 and provides a brief discussion of activities anticipated for completion during second quarter 2004.

6.1 Free Product

In December 2001, RMT conducted a subsurface investigation to further investigate methods to expedite removal of free product as outlined in the NJDEP approved workplan and amendment entitled Workplan to Evaluate Free Product Remedial Strategies (RMT, November 2001), and Amendment to Workplan to Evaluate Free Product Remedial Strategies (RMT, November 2001). Results of this investigation were submitted to USEPA and NJDEP in the document entitled Findings & Recommendations Regarding a Conceptual Free-Product Remediation Strategy in March 2002. NJDEP and USEPA comments were provided in the NJDEP letter dated July 26, 2002. Written responses to the comments outlined in the July 26, 2002 letter were provided to NJDEP and USEPA in the RMT response letter dated October 22, 2002. All of the issues described in the comments and response letters were addressed at the meeting held in Edison New Jersey on September 19, 2002. Both the NJDEP and USEPA verbally approved the conceptual approach to free product remediation during that meeting. RMT, on behalf of LEC, is preparing a Remedial Action Work Plan (RAWP) outlining both the engineering and design of the conceptual approach, and the various requirements (*i.e.*, plans, permits and approvals) needed to implement the remedy on-site. As was requested in the NJDEP letter dated January 22, 2003, RMT submitted on March 4, 2003 a detailed schedule of all activities anticipated through remedial mobilization tentatively set at August 31, 2004. The schedule was revised and re-submitted on January 14, 2004. Free product remediation is still tentatively scheduled to start August 31, 2004. Implementation of the source removal strategy is pending the preparation and final approval of the RAWP, currently scheduled for submittal on April 28, 2004.

6.2 Lead in Soils

In November 2001, RMT conducted a subsurface investigation as outlined in the Revised Workplan for Delineating and Characterizing Elevated Lead Concentrations in Soil (RMT, May 2001) to delineate the extent of on-site lead contamination in soils. Results of this investigation were submitted to USEPA and NJDEP in the document entitled Nature and Extent of Lead in Soils and Groundwater in March 2002. NJDEP and USEPA comments were provided in the

NJDEP letter dated July 26, 2002. Written responses to the comments outlined in the July 26, 2002 letter were discussed at the September 19, 2002 meeting and also provided to NJDEP and USEPA in the RMT response letter dated October 22, 2002. As was required in the NJDEP letter dated January 22, 2003, RMT on behalf of LEC, submitted the report entitled Focused Feasibility Study Lead-Impacted Soil Remediation (RMT, February 2003) so that an Explanation of Significant Difference (ESD) could be prepared by NJDEP and USEPA documenting and approving this change in the current ROD remedial approach for lead soils from excavation and off-site disposal to excavation and on-site beneficial reuse. NJDEP and USEPA comments were received on July 3, 2003. On behalf of LEC, RMT attended a meeting with NJDEP and USEPA on October 7, 2003 to discuss the draft FFS comments. Based on the results of that meeting, LEC submitted a letter formally requesting withdrawal of the FFS on December 9, 2003. That letter stated that lead contaminated soils would be remediated by implementing the original ROD alternative of removal and off-site disposal, except that soils would be removed down to a level of 400 ppm (residential cleanup criterion) instead of the ROD-mandated cleanup level of 600 ppm (industrial cleanup criterion). The withdrawal of the lead FFS was approved by NJDEP and EPA in a letter dated December 23, 2003. Procedures for staging and removal of the lead-contaminated soils to an off-site disposal facility will be detailed in the RAWP and are proposed for concurrent remediation along with the LNAPL source area.

6.3 PDB Sampling in Drainage Ditch and River

As outlined in the letter dated December 16, 2003, NJDEP continues to recommend sampling in the drainage ditch and Rockaway River using Passive Diffusion Bags (PDB). The objective for collecting these samples is to verify no migration of constituents into the Rockaway River and the drainage ditch. It is important to note here that data reported herein show that some very minimal (at detection limit) concentrations are found in surface water samples collected quarterly from the drainage ditch (see Section 6). However, NJDEP seeks verification that sub-ditch flow is not expediting migration of constituents at higher concentrations than detected in surface water samples. With respect to potential contaminant migration into the Rockaway River, a lack of such migration is currently supported by groundwater flow direction interpretations, the distance between the free product area and the river, and historical surface water sample results. However, shallow groundwater flow in the LEC area is quite variable due to changes in seasonal rainfall, vertical pressure gradient changes, and the hydrophobic nature of organic-contaminated soils in the capillary fringe of the free product zone. Therefore some contaminated groundwater, especially in areas very close to the river (e.g., MW-4 which is presumably sourced from a former hot-spot), could be contributing contaminants to the river at certain times of the year. The PDB sampling methodology was discussed at the October 7, 2003 meeting with NJDEP, and during a telephone call with NJDEP on January 20, 2004. During that call, the number and locations for PDB samplers shown on Figure 4 were agreed upon. LEC

anticipates installing the PDB samplers at the seven locations outlined on Figure 4 some time in April 2004, and collecting the samplers for VOC testing during the 2nd quarterly event tentatively scheduled to take place in May 2004.

6.4 Implementation of Monitored Natural Attenuation Work Plan

In a letter dated January 15, 2004, USEPA requested LEC to begin implementation of the May 2001 MNA workplan. LEC began implementing portions of the MNA workplan beginning during this quarterly sampling event. Sampling and testing of the wells coded in red color on Figure 4 took place per the approved workplan. No MNA work will be completed for that portion of the site where remediation of remaining source material will take place, which is currently scheduled to begin in late August 2004. Installation of three wells shown on Figure 4 (MW-19-10 in the MW-19/Hot Spot 1 area, and MW-27 and MW-28 in the Wharton Enterprises area) is tentatively scheduled to take place before the second 2004 quarterly event. The new wells will then be sampled for the first time during that the 2nd quarter 2004 event.

Tables

Table 1
L.E. CARPENTER - Wharton, New Jersey
Free Product Recovery - EFR Well # 1 - 28

EFR Event Date / Well No.	Development 21-Nov-97 Feet of Product	EFR #1 09-Dec-97 Feet of Product	EFR #2 07-Jan-98 Feet of Product	EFR #3 22-Jan-98 Feet of Product	EFR #4 17-Feb-98 Feet of Product	EFR #5 13-Mar-98 Feet of Product	EFR #6 27-Mar-98 Feet of Product	EFR #7 24-Apr-98 Feet of Product	EFR #8 29-May-98 Feet of Product	EFR #9 30-Jun-98 Feet of Product	EFR #10 31-Jul-98 Feet of Product	EFR #11[10] 24-Aug-98 Feet of Product	EFR #12 17-Sep-98 Feet of Product	EFR #13 22-Oct-98 Feet of Product	EFR #14 20-Nov-98 Feet of Product	EFR #15 18-Dec-98 Feet of Product	EFR #16 13-Jan-99 Feet of Product	EFR #17 18-Feb-99 Feet of Product	EFR #18 24-Mar-99 Feet of Product	EFR #19 19-Apr-99 Feet of Product	EFR #20 18-May-99 Feet of Product	EFR #21 22-Jun-99 Feet of Product
EFR-1	1.54	1.53	1.94	0.35	2.48	0.93	0.94	1.42	1.55	2.11	1.29	1.22	1.71	1.59	1.71	1.57	0.53	1.79	3.68	1.19	1.09	1.15
EFR-2	1.55	1.50	1.95	0.06	2.20	2.96	2.92	2.65	2.44	1.78	1.12	1.09	1.21	1.29	1.21	1.41	0.95	1.40	2.42	1.46	1.22	0.92
EFR-3	0.85	1.02	1.27	--	1.58	1.19	0.03	0.24	0.19	0.77	0.72	0.93	1.03	1.01	1.19	1.18	1.14	1.01	1.63	0.26	0.25	0.85
EFR-4	1.03	2.27	0.54	0.07	0.30	--	--	--	--	0.03	0.38	1.23	2.40	2.17	1.75	1.79	0.73	0.10	0.14	0.08	0.05	0.03
EFR-5	4.03	3.74	4.25	0.32	3.29	3.39	1.71	2.71	2.02	1.86	2.38	2.52	2.83	2.52	2.19	2.29	2.68	3.47	6.15	2.65	2.61	2.68
EFR-6	0.72	1.00	1.24	--	2.27	1.71	1.17	2.23	1.55	1.56	1.96	1.56	1.42	1.25	1.29	1.38	0.49	0.84	0.88	0.61	1.07	1.16
EFR-7	0.17	0.09	0.16	--	--	--	--	--	--	0.02	0.02	0.03	0.07	0.05	0.20	0.16	0.02	0.04	0.04	0.07	0.02	0.08
EFR-8	0.00	0.00	0.00	--	0.08	--	--	--	--	0.03	0.04	0.08	0.13	0.09	0.07	0.03	0.12	0.00	0.03	0.03	0.03	0.09
EFR-9	0.00	1.10	1.79	212.00	0.16	3.09	0.09	0.07	0.11	0.29	0.81	0.98	1.23	1.31	1.25	1.96	0.74	0.49	0.06	0.11	0.32	0.49
EFR-10	5.20	5.80	6.42	212.00	7.47	7.06	6.05	6.71	5.47	5.69	4.94	4.52	4.34	4.38	3.98	3.99	3.68	5.79	5.52	4.97	4.23	3.71
EFR-11	3.07	4.04	4.29	213.00	4.47	4.32	4.67	5.91	5.73	6.08	4.73	4.47	3.95	4.06	3.85	3.52	2.42	4.69	2.84	2.02	2.48	3.28
EFR-12	0.04	0.03	0.00	--	0.07	--	--	--	0.02	0.28	0.22	0.28	0.24	0.15	0.29	0.17	0.04	0.11	0.05	0.02	0.02	0.10
EFR-13	0.48	0.56	1.33	0.05	1.28	1.07	1.07	0.67	--	0.90	0.56	0.48	0.66	0.82	1.13	1.30	0.22	1.19	0.15	0.49	0.50	0.44
EFR-14	0.10	0.16	0.00	--	--	--	--	--	--	--	-	--	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00
EFR-15	0.09	0.12	0.27	--	0.06	--	--	--	--	0.08	0.02	0.09	0.03	0.12	0.12	0.32	0.11	0.07	0.01	0.01	0.00	0.00
EFR-16	0.00	0.00	0.00	--	--	--	--	--	--	--	-	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-17	0.04	0.17	1.56	0.39	0.17	0.08	--	0.09	--	0.02	0.37	0.29	0.46	0.56	0.71	0.53	0.26	0.09	0.06	0.06	0.08	0.12
EFR-18	0.10	0.10	0.09	--	--	--	--	--	--	0.01	0.08	0.14	0.48	0.68	0.98	1.08	0.56	0.11	-	0.06	0.16	0.46
EFR-19	0.54	2.80	1.89	0.49	1.95	1.63	1.44	0.88	0.65	0.42	0.90	1.26	1.69	1.95	2.31	2.44	1.83	1.68	0.52	0.44	0.52	1.10
EFR-20	0.40	0.34	0.95	0.47	0.27	--	--	0.04	0.24	0.97	0.65	0.69	0.79	1.24	1.85	2.11	0.65	1.39	0.88	0.43	0.89	0.87
EFR-21	2.96	2.40	2.71	2.74	2.74	4.14	3.97	4.29	3.98	3.29	1.97	1.87	1.86	1.77	1.67	1.52	1.21	1.43	2.62	2.35	1.49	1.46
EFR-22	3.78	4.10	0.05	4.81	3.40	4.69	3.42	1.82	1.22	0.96	2.86	2.87	2.97	2.83	2.58	2.27	2.06	0.94	0.34	0.95	1.39	1.23
EFR-23	0.00	0.06	0.06	--	0.02	--	--	--	--	0.05	0.11	0.08	0.27	1.03	3.07	2.29	1.56	0.91	0.47	0.22	0.25	0.45
EFR-24	0.00	0.00	0.00	--	--	--	--	--	--	--	-	--	0.00	0.03	0.12	0.14	0.38	0.05	0.00	0.00	0.00	0.08
EFR-25	2.95	3.00	3.55	0.26	4.15	3.11	0.72	0.82	0.79	0.78	0.60	0.41	0.29	0.41	1.33	1.58	1.05	1.75	1.19	1.08	0.76	0.54
EFR-26	2.20	2.05	2.66	0.29	2.90	2.12	1.49	1.32	1.95	1.21	2.06	1.58	1.17	1.24	1.08	1.09	0.73	0.55	0.45	0.75	1.29	1.29
EFR-27	0.15	0.02	2.71	0.02	0.74	--	--	0.03	--	0.02	0.39	0.45	1.49	0.54	0.47	0.51	0.09	0.12	0.00	0.00	0.02	0.03
EFR-28	2.20	2.30	1.78	0.48	2.60	3.20	3.48	4.40	3.16	2.61	1.47	1.73	1.69	1.83	1.79	1.74	1.03	1.29	1.71	1.66	1.48	1.25
MIN (ft)	0.00	0.00	0.00	0.02	0.02	0.08	0.03	0.03	0.02	0.01	0.02	0.03	0.03	0.03	0.07	0.03	0.02	0.04	0.00	0.00	0.00	0.00
MAX (ft)	5.20	5.80	6.42	213.00	7.47	7.06	6.05	6.71	5.73	6.08	4.94	4.52	4.34	4.38	3.98	3.99	3.68	5.79	6.15	4.97	4.23	3.71
Average (ft)	1.20	1.44	1.55	38.11	1.92	2.79	2.21	2.01	1.94	1.25	1.22	1.23	1.36	1.34	1.47	1.48	0.97	1.25	1.22	0.79	0.79	0.88
Total Free Product (ft)	33.69	40.30	43.36	647.01	44.05	44.58	33.10	36.24	31.07	31.15	30.38	30.73	33.80	34.92	38.30	38.36	25.27	31.14	31.84	22.00	22.20	24.54
Total Standing Free Product Volume (gal)	21.60	25.89	27.79	415.25	28.24	28.54	21.22	23.23	19.92	19.97	19.47	19.70	22.04	22.70	24.90	24.93	16.43	20.24	20.70	14.30	14.43	15.95
Estimated Total Free Product Removed (gal) [1] *(Liquid and Vapor Phase Free Product Volume)*	315.00	250.00	210.00	80.00	120.00	130.00	100.00	110.00	95.00	105.00	75.00	55.00	60.00	15.00	25.00	51.00	23.00	74.00	40.00	59.24	47.20	38.51
Estimated Total Fluids Removed (gal) *(Liquid Phase Free Product Volume plus Groundwater Extraction Volume) as of Jan 2000*																						
Vapor Phase Free Product Extraction Volume (gal) *as of Jan 2000*																						
Liquid Phase Free Product Extraction Volume (gal) *as of Jan 2000*																						
Groundwater Extraction Volume (gal) per each EFR Event [7] *as of Jan 2000*																						
Total EFR Extraction Volume (gal) (Total Volume: *free product + groundwater + product vapor)*	2350.00	1410.00	376.00	256.00	314.00	300.00	339.00	403.00	390.00	561.00	211.00	220.00	329.00	212.00	120.00	256.00	234.00	498.00	683.00	904.75	360.00	564.26
Estimated Volume Removed Resulting from Drum Purging (GW purge water) *if applicable* [8]	-	-	-	-	-	338	150	600	70	110	71	-	110	-	-	110	-	235	-	139	-	-
Total Volume Removed from Site (gal) *(Manifested volume)* [9]	2,350	1,410	376	256	314	638	489	1,003	460	671	282	220	439	212	120	256	234	733	683	1,044	353	538
Cumulative Total Free Product Removed (gal)	315	565	775	855	975	1,105	1,205	1,315	1,410	1,515	1,591	1,646	1,706	1,721	1,746	1,797	1,820	1,894	1,934	1,993	2,040	2,079
Extraction, Transportation & Disposal Cost [3]	$ 3,976.37	$ 2,742.62	$ 1,130.50	$ 1,130.50	$ 1,219.12	$ 1,431.87	$ 1,541.31	$ 2,039.43	$ 1,240.75	$ 1,347.68	$ 1,324.62	$ 1,839.93	$ 1,889.18	$ 915.25	$ 963.25	$ 979.00	$ 1,155.62	$ 1,541.58	$ 1,703.44	$ 2,049.75	$ 990.31	$ 1,598.13
Unit Cost per gal [5]	$ 1.69	$ 1.95	$ 3.01	$ 4.42	$ 3.88	$ 2.24	$ 3.16	$ 2.03	$ 2.70	$ 2.01	$ 4.70	$ 8.36	$ 3.16	$ 4.32	$ 7.19	$ 3.80	$ 4.94	$ 2.24	$ 2.49	$ 1.96	$ 2.64	$ 2.97
State Manifest Document Number	NJA2786096	NJA2786165	NJA2787906	NJA2785935	NJA2785830	NJA2785548	NJA2786541	NJA2787847	NJA2786596	NJA2970479	NJA2988712	NJA2988448	NJA2988517	NJA2988962	NJA2986079	NJA2986096	NJA3017471	NJA3030488	NJA3016902	NJA3016530	NJA3031179	NJA3016209

Notes:
Product thickness was determined prior to the EFR event.
gal = gallon
All EFR Wells are 4 inch in diameter
EFR events 13 and 14 product removal was low due to significant quantities of product remaining emulsified

as the result of a short vac truck standing time prior to gauging

Product removal estimate does not take into account a % of product remaining emulsified do to high agitation
indicates that this data will be known once the next EFR waste T&D event is performed

(1) Estimated free product (gal) based on Vacuum Truck gauging (interface probe) directly after each EFR Event and vapor monitoring during extraction (See Table 3)
(2) Total invoiced disposal cost for EFR event (product and groundwater) and monitoring well purge water from 1/4ly well development and monitoring activities *(if applicable)*
(3) Total Cost per gallon includes product transportation & disposal, manifest prep, & regulatory admin. fee for combined EFR and GW purge water volumes *(if applicable)*
(4) EFR # 11 free product volume was 55 gal and contained PCBs (approx. weight 4500lbs total @ specific gravity of 8.18 lbs/gal). Disposal costs were significantly higher due to PCB content
(5) EFR # 23 cost and unit cost higher than normal due to additional vac truck trans and mob time. As the vac truck was broken when it reached the site, a 3 hour credit will be applied to next months EFR T&D bill.
(6) Free product stored in an on-site 550-gallon AST equipped with secondary containment. AST contents, along with groundwater resulting from well purge activities are drained and transported by CycleChem/CleanVenture every 90 days.
(7) Volume of ground water collected during each EFR event. Volume estimated using an oil/water interface probe on the 55-gal extraction drum. On-Site measurement began 1st quarter of 2000.
(8) Those volumes that are totaled over a specific period (beginning 1st quarter 2000) is that volume specific to each of the EFR event it represents.
(9) Estimated by subtracting the free product aqueous volume and extracted groundwater volume for each of the representative EFR event from the total removal volume manifested for a specific disposal event
(10) EFR events did not take place in January or February 2001 due to access issues caused by inclement weather.
(11) This shippment contained 7.0 ppm of PCBs in organic layer and % moisture of organic lyer 57.58%
(12) Vapor phase free product volume not determined for July 2003 EFR Event No. 68 due to instrument failure
(13) This shipment contained 18.3 ppm PCBs, 2nd sample contained 12.5 ppm PCBs.

Prepared By: RMT, Inc. 4/28/2004
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Table 1
L.E. CARPENTER - Wharton, New Jersey
Free Product Recovery - EFR Well # 1 - 28

EFR Event Date / Well No.	EFR #22 28-Jul-99 Feet of Product	EFR #23 [5] 27-Aug-99 Feet of Product	EFR #24 22-Sep-99 Feet of Product	EFR #25 27-Oct-99 Feet of Product	EFR #26 30-Nov-99 Feet of Product	EFR #27 15-Dec-99 Feet of Product	EFR #28 26-Jan-00 Feet of Product	EFR #29 16-Feb-00 Feet of Product	EFR #30 24-Mar-00 Feet of Product	EFR #31 19-Apr-00 Feet of Product	EFR #32 19-May-00 Feet of Product	EFR #33 15-Jun-00 Feet of Product	EFR #34 18-Jul-00 Feet of Product	EFR #35 17-Aug-00 Feet of Product	EFR #36 18-Sep-00 Feet of Product	EFR #37 25-Oct-00 Feet of Product	EFR #38 17-Nov-00 Feet of Product	EFR #39 15-Dec-00 Feet of Product	EFR #40 [10] 15-Mar-01 Feet of Product	EFR #41 23-Apr-01 Feet of Product	EFR #42 25-May-01 Feet of Product	EFR #43 19-Jun-01 Feet of Product	EFR #44 27-Jul-01 Feet of Product
EFR-1	1.49	1.27	1.94	1.63	1.47	1.20	1.22	0.86	1.96	1.59	1.54	2.10	1.51	1.26	1.63	1.00	1.07	1.14	2.91	1.25	1.02	1.14	0.57
EFR-2	1.21	1.00	0.63	1.35	1.28	1.40	0.06	1.04	2.25	2.00	1.64	1.89	1.40	0.36	1.09	0.97	1.09	0.76	2.92	2.66	1.75	2.26	1.22
EFR-3	0.98	1.09	0.74	0.69	0.47	0.02	0.51	0.07	0.08	0.09	0.62	1.02	0.25	0.02	0.08	0.44	0.43	0.46	0.39	0.29	0.49	0.70	0.40
EFR-4	0.44	0.99	0.61	0.11	0.03	0.58	0.51	0.48	0.11	0.11	0.41	0.22	0.05	0.02	0.02	0.02	0.05	0.21	0.59	1.65	0.01	0.44	0.02
EFR-5	2.66	1.57	1.77	3.23	2.99	1.27	2.95	2.46	2.91	2.54	1.84	2.34	1.99	1.69	1.57	2.74	2.47	2.76	5.95	1.75	1.90	0.62	2.24
EFR-6	1.51	0.91	0.15	0.86	0.63	0.33	1.07	0.77	0.29	0.31	0.49	0.27	0.54	0.29	0.55	0.83	0.79	0.96	2.05	0.32	0.43	0.16	0.46
EFR-7	0.28	0.05	0.01	0.07	0.04	0.47	0.15	0.02	0.35	0.01	0.02	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.28	0.02	0.02	0.00	0.00
EFR-8	0.39	0.27	0.09	0.19	0.05	0.11	0.06	0.06	0.08	0.03	0.05	0.03	0.02	0.01	0.01	4.28	0.02	0.05	0.03	0.05	0.04	0.03	0.01
EFR-9	1.16	0.56	0.41	0.28	0.10	0.16	0.19	0.09	0.19	0.02	0.06	0.06	0.12	0.16	0.08	0.02	0.50	0.77	0.57	0.07	0.56	0.07	0.14
EFR-10	9.63	2.47	3.02	5.18	3.95	3.07	4.50	3.55	3.50	4.50	1.36	2.50	3.09	0.75	2.76	3.88	3.27	4.05	5.54	3.17	3.52	3.32	3.73
EFR-11	2.79	1.57	1.93	3.20	3.11	1.07	3.44	4.95	2.41	2.95	2.93	2.49	4.12	0.79	4.73	0.16	4.00	9.73	2.82	2.41	3.56	2.60	3.91
EFR-12	0.30	0.20	0.03	0.09	0.57	0.01	0.03	0.49	0.45	0.10	0.19	0.01	0.01	0.00	0.03	0.11	0.04	0.02	0.07	0.02	0.25	0.01	0.01
EFR-13	1.33	1.01	0.74	0.78	0.67	0.26	0.36	0.34	0.48	0.47	0.69	0.56	0.79	0.49	0.22	0.25	0.09	0.15	1.14	0.27	0.78	0.26	0.39
EFR-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-15	0.00	0.13	0.04	0.02	0.08	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-17	0.39	0.36	0.10	0.08	0.24	0.25	0.11	0.32	0.04	0.16	0.08	0.04	0.01	0.02	0.09	0.06	0.35	0.01	0.41	0.31	0.51	0.29	0.02
EFR-18	0.96	1.37	0.61	0.36	0.77	0.05	0.20	0.05	0.12	0.04	0.32	0.01	0.06	0.16	0.08	0.31	0.31	0.20	3.27	1.35	0.49	0.31	0.01
EFR-19	2.05	2.02	0.51	1.54	0.84	0.69	1.67	1.73	0.25	0.90	0.98	0.17	0.63	0.34	0.22	0.87	0.59	1.42	2.32	0.65	1.98	1.01	0.44
EFR-20	1.59	1.86	0.47	1.92	1.96	0.75	1.08	2.58	0.64	0.42	0.54	0.23	0.20	0.39	0.45	0.54	0.11	0.37	0.24	0.97	0.52	0.31	0.08
EFR-21	1.57	1.04	1.01	2.32	1.40	1.70	1.92	1.34	3.04	2.86	2.47	3.02	2.09	1.52	2.75	1.79	1.65	1.37	4.09	3.51	2.96	2.81	1.98
EFR-22	1.47	1.41	0.17	2.22	1.76	0.53	0.82	0.59	0.09	0.16	0.05	0.05	0.01	0.19	0.09	0.53	2.14	1.50	0.81	0.06	0.43	0.00	0.00
EFR-23	2.13	1.03	0.12	0.53	0.54	0.24	0.23	0.31	0.45	0.06	0.06	0.01	0.19	0.03	0.07	0.07	0.09	0.39	0.07	0.03	0.89	0.28	0.05
EFR-24	0.08	0.05	0.00	0.00	0.04	0.13	0.11	0.07	0.58	0.02	0.03	0.00	0.00	0.00	0.01	0.01	0.01	0.04	2.27	0.05	0.34	0.01	0.01
EFR-25	1.74	1.48	0.21	0.39	0.19	0.05	0.31	0.39	0.58	0.21	0.10	0.03	0.10	0.03	0.10	0.19	0.12	0.10	0.04	0.39	0.28	0.14	0.03
EFR-26	1.23	0.72	0.29	0.52	0.94	0.59	1.54	1.10	1.33	1.68	2.02	1.44	2.28	1.39	2.01	2.05	1.78	1.10	2.64	2.56	2.69	1.48	2.24
EFR-27	0.17	0.21	0.06	0.01	0.01	0.01	0.02	0.14	0.20	0.01	0.03	0.04	0.01	0.01	0.15	0.01	0.01	0.01	0.48	0.05	0.04	0.00	0.01
EFR-28	1.67	1.79	0.88	2.19	0.96	1.42	1.33	1.00	2.90	2.42	1.81	2.68	1.72	2.48	2.02	1.39	1.86	0.84	2.81	2.75	1.86	2.34	1.35
MIN (ft)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX (ft)	9.63	2.47	3.02	5.18	3.95	3.07	4.50	4.95	3.50	4.50	2.93	3.02	4.12	2.48	4.73	4.28	4.00	4.05	5.95	3.51	3.56	3.32	3.91
Average (ft)	1.19	0.94	0.57	1.05	0.86	0.53	0.87	0.89	0.88	0.84	0.75	0.78	0.76	0.45	0.74	0.80	0.80	0.79	1.60	0.95	0.97	0.73	0.69
Total Free Product (ft)	33.11	26.36	15.94	29.38	24.59	16.37	24.34	24.79	24.52	23.38	20.91	21.80	21.14	12.49	20.67	22.51	22.35	22.23	44.78	26.62	27.24	20.38	19.33
Total Standing Free Product Volume (gal)	21.52	17.13	10.36	19.29	15.98	10.64	15.82	16.11	16.00	15.20	13.59	13.85	13.74	8.12	13.44	14.63	14.53	14.45	29.09	17.30	17.71	13.25	12.56
Estimated Total Free Product Removed (gal) [1] *(Liquid and Vapor Phase Free Product Volume)*	54.48	35.00	44.00	54.73	44.79	49.34	43.52	51.65	48.14	45.46	45.50	43.66	46.38	22.05	25.07	44.12	35.36	49.32	79.06	45.44	56.75	37.50	40.36
Estimated Total Fluids Removed (gal) *(Liquid Phase Free Product Volume plus Groundwater Extraction Volume) as of Jan 2000*							40.93	45.21	52.30	41.26	40.19	39.44	40.43	20.19	21.05	38.78	31.36	43.73	74.01	40.01	51.15	31.23	36.30
Vapor Phase Free Product Extraction Volume (gal) *as of Jan 2000*							6.55	7.93	10.19	5.85	6.31	5.05	7.50	5.22	5.26	5.58	5.65	6.42	11.06	8.49	8.90	7.50	6.53
[illegible]hase Free Product Extraction Volume (gal) *as of Jan 2000*							36.97	43.73	37.95	39.61	39.19	38.61	38.78	16.83	19.81	37.54	29.71	42.90	68.00	37.95	47.85	30.00	33.83
Groundwater Extraction Volume (gal) per each EFR Event [7] *as of Jan 2000*							3.96	2.48	14.85	1.55	0.99	0.83	1.55	3.30	1.24	1.24	1.65	0.83	6.01	2.06	3.30	1.24	2.48
Total EFR Extraction Volume (gal) (Total Volume: *free product + groundwater + product vapor)*	725.54	298.00	239.00	295.00	249.07	350.00	47.48	54.14	62.99	47.11	45.49	44.49	48.03	25.35	26.31	45.36	37.01	50.15	85.07	49.50	60.05	38.73	42.84
Estimated Volume Removed Resulting from Drum Purging (GW purge water) *if applicable* [8]	374	-	-	199	82	-	367				110				134			148			296		
Total Volume Removed from Site (gal) *(Manifested volume)* [6]	1,100	292	241	494	331	350	538				250				225			306			415		
Cumulative Total Free Product Removed (gal)	2,133	2,169	2,213	2,268	2,313	2,362	2,406	2,457	2,506	2,551	2,597	2,640	2,687	2,709	2,734	2,778	2,813	2,863	2,942	2,988	3,045	3,082	3,123
Extraction, Transportation & Disposal Cost [2]	$ 2,165.75	$ 2,162.12	$ 995.81	$ 1,288.50	$ 1,029.93	$ 968.87	$ 1,046.62				$ 795.13				$ 762.31			$ 996.13			$ 1,175.19		
Unit Cost per gal [3]	$ 1.97	$ 7.40	$ 4.13	$ 2.78	$ 3.11	$ 2.77	$ 1.94				$ 3.18				$ 3.39			$ 3.25			$ 2.83		
State Manifest Document Number	NJA3016543	NJA3022956	NJA2998932	NJA319015	NJA3030027	NJA3074974	NJA3114980				NJA3115867				NJA3101136			NJA3239139			NJA3288383		

Prepared By: EMT, Inc. 4/28/2004
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Table 1
L.E. CARPENTER - Wharton, New Jersey
Free Product Recovery - EFR Well # 1 - 28

EFR Event Date / Well No.	EFR #45 24-Aug-01 Feet of Product	EFR #46 25-Sep-01 Feet of Product	EFR #47 25-Oct-01 Feet of Product	EFR #48 20-Nov-01 Feet of Product	EFR #49 31-Dec-01 Feet of Product	EFR #50 29-Jan-02 Feet of Product	EFR #51 20-Feb-02 Feet of Product	EFR #52 26-Mar-02 Feet of Product	EFR #53 10-Apr-02 Feet of Product	EFR #54 06-May-02 Feet of Product	EFR #55 13-Jun-02 Feet of Product	EFR #56 16-Jul-02 Feet of Product	EFR #57 09-Aug-02 Feet of Product	EFR #58 13-Sep-02 Feet of Product	EFR #59 08-Oct-02 Feet of Product	EFR #60 07-Nov-02 Feet of Product	EFR #61 17-Dec-02 Feet of Product	EFR #62 11-Mar-03 Feet of Product	EFR #63 17-Mar-03 Feet of Product	EFR #64 21-Mar-03 Feet of Product	EFR #65 10-Apr-03 Feet of Product	EFR #66 08-May-03 Feet of Product
EFR-1	0.80	1.29	1.60	1.51	1.57	2.07	1.93	0.90	0.77	1.60	1.92	0.65	0.81	1.14	0.89	1.62	1.33	0.68	0.22	0.41	0.45	0.19
EFR-2	1.17	1.22	1.14	1.15	1.19	1.37	1.39	1.40	1.20	2.39	2.15	1.33	1.02	0.99	1.27	2.98	3.07	1.96	0.94	1.02	1.40	1.54
EFR-3	0.66	0.51	0.81	0.76	0.80	0.70	0.78	1.05	1.09	1.28	1.53	0.25	0.89	0.81	0.91	0.98	0.88	0.70	0.30	0.20	0.07	0.14
EFR-4	1.96	0.11	0.57	0.68	0.54	0.26	1.13	0.37	0.89	0.98	1.07	1	0.26	0.11	0.43	2.86	0.52	0.00	0.00	0.00	0.00	0.00
EFR-5	2.05	2.25	2.55	2.10	2.67	2.66	2.68	3.50	3.07	3.25	2.17	2.01	2.00	2.05	1.57	1.68	0.97	2.91	1.19	0.16	0.79	0.49
EFR-6	0.49	0.37	1.13	1.56	1.28	0.71	2.21	2.30	0.77	0.43	0.27	0.54	0.45	0.62	0.39	3.14	1.63	0.27	0.29	0.27	0.39	0.14
EFR-7	0.16	0.00	0.05	0.08	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-8	0.19	0.00	0.18	0.16	0.22	0.01	0.04	0.07	0.10	0.05	0.07	0	0.14	0.28	0.18	0.1	0.25	0.37	0.27	0.23	0.39	0.05
EFR-9	0.27	0.29	0.55	0.85	0.52	0.29	0.45	0.52	0.32	0.28	0.11	0.95	0.30	0.19	0.32	0.33	0.25	0.24	0.02	0.32	0.54	0.17
EFR-10	2.30	2.62	2.70	2.61	2.91	2.02	3.32	3.48	2.77	2.64	3.39	3.16	2.31	2.83	1.95	2.70	2.76	2.45	0.84	0.29	0.84	0.79
EFR-11	2.37	3.86	3.22	2.44	2.90	2.89	2.58	2.12	0.99	0.97	1.01	1.54	2.08	3.91	2.06	1.88	1.87	2.62	4.69	3.83	1.19	0.99
EFR-12	0.23	0.00	0.00	0.34	0.21	0.25	0.11	0.10	0.15	0.00	0.06	0.30	0.06	0.33	0.25	0.24	0.64	0.56	0.49	0.52	0.45	0.13
EFR-13	0.47	0.38	0.48	0.88	0.44	0.94	0.44	0.67	0.63	1.71	1.11	0.56	0.26	0.61	0.30	0.55	0.58	0.08	0.11	0.26	0.25	0.12
EFR-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-15	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.20	0.00	0.09	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00
EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFR-17	0.49	0.34	0.85	0.97	1.57	1.43	2.23	1.90	0.77	0.75	0.60	0.43	0.67	1.50	0.71	1.10	1.07	0.18	0.09	0.00	0.00	0.39
EFR-18	0.18	0.41	0.69	0.76	1.22	1.90	1.00	1.07	0.81	0.80	0.05	0.32	0.02	1.56	0.21	0.04	0.84	1.32	1.91	0.04	0.00	0.66
EFR-19	1.19	0.54	2.15	2.86	2.86	2.26	3.22	2.90	2.69	1.34	0.95	1.62	1.66	2.55	0.35	1.30	1.09	0.40	0.80	0.31	1.51	0.62
EFR-20	0.32	0.24	0.73	1.10	1.29	1.79	0.46	1.24	1.24	1.74	2.03	1.62	1.58	1.95	1.47	1.77	2.45	2.30	1.88	1.33	2.42	1.00
EFR-21	1.61	1.87	1.59	1.38	1.54	1.51	1.50	2.25	1.65	2.11	2.51	1.98	1.46	0.02	0.44	0.00	0.00	0.01	2.43	1.95	1.46	2.44
EFR-22	0.47	0.57	1.22	1.53	1.93	0.98	0.63	0.80	0.99	0.16	0.19	0.82	0.11	0.22	1.39	1.09	0.76	2.60	0.54	0.00	0.00	0.00
EFR-23	0.34	0.07	0.85	2.67	0.76	0.98	1.19	0.01	0.70	0.57	0.52	0.60	0.38	0.77	0.53	0.81	0.67	0.92	0.06	0.50	2.24	0.06
EFR-24	0.27	0.14	0.35	0.88	0.34	0.47	2.65	0.60	1.35	0.33	0.24	1.18	0.19	0.13	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00
EFR-25	0.47	0.09	0.43	0.63	0.64	0.82	0.99	0.76	1.21	0.33	0.29	0.36	0.25	0.35	0.28	0.33	0.69	0.14	0.09	0.06	0.21	0.32
EFR-26	1.07	1.20	1.45	1.22	1.13	1.14	0.97	1.55	1.57	1.89	1.92	2.42	1.89	1.24	0.59	0.28	0.40	0.33	0.27	0.30	0.18	0.51
EFR-27	0.04	0.00	0.52	0.49	0.13	0.53	0.32	0.00	0.00	0.38	1.31	1.10	0.04	1.43	2.53	1.77	3.10	2.49	0.00	0.00	0.00	0.00
EFR-28	1.67	1.05	1.50	1.38	1.51	1.67	1.66	0.21	0.69	0.29	0.38	1.09	0.38	1.22	0.22	0.14	0.28	1.04	0.30	0.01	0.44	0.38
MIN (ft)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX (ft)	2.37	3.86	3.22	2.67	2.91	2.89	3.32	3.50	3.07	3.25	3.39	3.16	2.31	3.91	2.53	3.14	3.10	2.91	4.69	3.83	2.42	2.44
Average (ft)	0.76	0.79	0.97	1.07	1.06	1.06	1.21	1.06	0.99	0.99	0.92	0.90	0.68	0.93	0.69	1.00	0.91	0.87	0.61	0.45	0.54	0.39
Total Free Product (ft)	21.08	19.52	27.29	30.01	29.67	29.50	33.86	29.81	25.91	26.11	25.92	25.11	19.01	25.91	19.43	27.96	25.54	24.47	17.07	12.59	15.15	11.02
Total Standing Free Product Volume (gal)	13.70	12.69	17.74	19.51	19.29	19.21	22.01	19.38	16.84	16.97	16.78	16.32	12.36	16.84	12.63	18.11	16.60	15.91	11.10	8.18	9.85	7.16
Estimated Total Free Product Removed (gal) [1] *(Liquid and Vapor Phase Free Product Volume)*	37.70	27.86	28.54	31.09	29.36	32.49	33.28	29.79	31.72	28.10	29.15	25.59	26.19	39.55	28.67	25.66	27.22	38.50	30.39	17.21	27.34	19.05
Estimated Total Fluids Removed (gal) *(Liquid Phase Free Product Volume plus Groundwater Extraction Volume) as of Jan 2000*	39.00	25.59	25.16	26.40	23.98	24.76	26.40	25.16	28.05	26.40	28.05	25.59	24.76	37.13	31.02	28.05	28.05	38.78	31.35	17.33	30.53	19.39
Vapor Phase Free Product Extraction Volume (gal) *as of Jan 2000*	6.35	4.76	6.26	7.99	7.91	9.38	8.53	6.63	6.15	5.00	6.05	2.49	3.51	6.55	1.93	1.74	1.64	1.38	1.51	0.71	0.94	0.90
Liquid Phase Free Product Extraction Volume (gal) *as of Jan 2000*	31.35	23.10	22.28	23.10	21.45	23.10	24.75	23.10	25.58	23.10	23.10	23.10	22.69	33.00	26.73	23.93	25.58	37.13	28.88	16.50	26.40	18.15
Groundwater Extraction Volume (gal) per each EFR Event [7] *as of Jan 2000*	1.65	2.48	2.89	3.30	2.48	1.65	1.65	2.06	2.48	3.30	4.95	2.48	2.06	4.13	4.29	4.13	2.48	1.65	2.48	0.83	4.13	1.24
Total EFR Extraction Volume (gal) *(Total Volume: free product + groundwater + product vapor)*	39.35	30.34	31.42	34.39	31.84	34.13	34.93	31.79	34.21	31.40	34.10	28.07	28.26	43.68	32.95	29.80	29.70	40.16	32.87	18.04	31.47	20.29
Estimated Volume Removed Resulting from Drum Purging (GW purge water) *if applicable* [9]	90				0				142				0					328.09				
Total Volume Removed from Site (gal) *(Manifested volume)* [9]	200				100				250				105					529				
Cumulative Total Free Product Removed (gal)	3,160	3,188	3,217	3,248	3,277	3,310	3,343	3,373	3,404	3,433	3,462	3,487	3,513	3,553	3,582	3,607	3,635	3,673	3,703	3,721	3,748	3,767
Extraction, Transportation & Disposal Cost [2]	$ 1,059.50				$ 768.25				$ 995.12				$ 851.00					$				
Unit Cost per gal [3]	$ 5.35				$ 7.68				$ 3.86				$ 8.10					$				
State Manifest Document Number	NJA4036630				NJA4035394				NJA4035962				NJA4069029 (11)					NJA5010142 (13)				

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File: 000652702-001.XLS Table 1 11x17

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Table 1
L.E. CARPENTER - Wharton, New Jersey
Free Product Recovery - EFR Well # 1 - 28

EFR Event Date / Well No.	EFR #67 10-Jun-03 Feet of Product	EFR #68 [1/3] 08-Jul-03 Feet of Product	EFR #69 07-Aug-03 Feet of Product	EFR #70 09-Sep-03 Feet of Product	EFR #71 09-Oct-03 Feet of Product	EFR #72 06-Nov-03 Feet of Product	EFR #73 31-Dec-03 Feet of Product	EFR #74 13-Jan-04 Feet of Product	EFR #75 25-Feb-04 Feet of Product	EFR #76 30-Mar-04 Feet of Product	EFR AVERAGES	EFR TOTALS
EFR-1	0.48	0.19	0.49	0.69	0.69	0.26	0.06	0.05	0.28	0.19		
EFR-2	2.34	1.61	1.32	1.41	1.75	1.22	1.10	0.59	0.45	0.47		
EFR-3	0.05	0.08	0.10	0.19	0.13	0.08	0.05	0.01	0.01	0.14		
EFR-4	0.00	0.00	0.00	0.03	0	0	0	0	0	0		
EFR-5	0.81	0.29	0.29	0.72	0.73	0.51	0.42	0.11	0.22	0.28		
EFR-6	0.43	0.12	0.00	0.16	0.07	0.00	0.22	0.06	0.01	0.02		
EFR-7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00		
EFR-8	0.11	0.00	0.00	0	0.02	0.03	0.03	0.02	0.07	0.02		
EFR-9	0.10	1.03	0.00	0.02	0.07	0.06	0.03	0.06	0.04	0.26		
EFR-10	1.33	0.54	0.00	2.21	0.92	0.93	0.76	0.16	0.37	0.16		
EFR-11	1.01	0.65	0.19	3.57	1.52	0.70	0.89	0.21	0.29	1.18		
EFR-12	0.24	0.01	0.00	0.00	0.00	0.00	0.00	0	0.16	0.00		
EFR-13	0.27	0.03	0.12	0.18	0.03	0.08	0.07	0	0.01	0.03		
EFR-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00		
EFR-15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00		
EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00		
EFR-17	0.51	0.01	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00		
EFR-18	0.01	0.00	0.00	0.08	0.11	0.00	0.00	0	0.11	0.00		
EFR-19	0.09	0.00	0.00	0.00	0.02	0.00	0.00	0	0.00	0.00		
EFR-20	3.18	2.41	0.00	1.78	2.40	2.59	2.51	1.2	1.19	1.43		
EFR-21	2.39	2.09	2.55	2.19	2.45	1.23	1.09	0.75	1.95	1.85		
EFR-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00		
EFR-23	0.26	0.04	0.00	0.11	0.10	0.10	0.26	0.02	0.17	0.02		
EFR-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00		
EFR-25	0.00	0.00	0.00	0.06	0.03	0.11	0.00	0	0.14	0.00		
EFR-26	0.20	0.15	0.00	0.93	0.58	0.33	0.24	0.25	0.45	0.66		
EFR-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00		
EFR-28	0.30	0.09	0.08	0.06	0.11	0.14	0.15	0				
MIN (ft)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
MAX (ft)	3.18	2.41	2.55	3.57	2.45	2.59	2.51	1.20	1.95	1.85		
Average (ft)	0.50	0.33	0.18	0.51	0.43	0.30	0.28	0.12	0.22	0.25		
Total Free Product (ft)	14.11	9.23	5.14	14.39	11.93	8.37	7.90	3.49	6.86	6.70		
Total Standing Free Product Volume (gal)	9.17	6.00	3.34	9.35	7.75	5.44	5.14	2.27	3.91	4.36		
Estimated Total Free Product Removed (gal) [1] *(Liquid and Vapor Phase Free Product Volume)*	25.45	21.45	12.02	17.46	22.29	25.49	14.91	14.17	14.53	14.77	51	3,950
Estimated Total Fluids Removed (gal) *(Liquid Phase Free Product Volume plus Groundwater Extraction Volume) as of Jan 2000*	26.40	22.28	14.85	20.63	24.34	29.70	16.50	16.67	28.88	16.69	31	1,509
Vapor Phase Free Product Extraction Volume (gal) *as of Jan 2000*	2.35	0.00	1.30	0.96	0.84	0.74	0.88	0.56	0.50	1.57	5	229
Liquid Phase Free Product Extraction Volume (gal) *as of Jan 2000*	23.10	21.45	10.73	16.50	21.45	24.75	14.03	13.61	14.03	13.20	28	1,358
Groundwater Extraction Volume (gal) per each EFR Event [7] *as of Jan 2000*	3.30	0.83	4.13	4.13	2.89	4.95	2.48	2.06	14.85	2.48	3	151
Total EFR Extraction Volume (gal) (Total Volume: *free product + groundwater + product vapor)*	28.75	22.28	16.16	21.59	25.18	30.44	17.39	16.79	29.89	18.82	197	15,158
Estimated Volume Removed Resulting from Drum Purging (GW purge water) *if applicable* [8]											162	4,193
Total Volume Removed from Site (gal) *(Manifested volume)* [9]				125							485	18,802
Cumulative Total Free Product Removed (gal)	3,792	3,814	3,826	3,943	3,966	3,991	3,906	3,920	3,935	3,950	2,685	207,528
Extraction, Transportation & Disposal Cost [9]	1,344.36			$ 719.94							$ 1,267.08	$ 53,279.72
Unit Cost per gal [9]	2.54			$ 5.75							$ 3.74	N/A
State Manifest Document Number	NJA5075935										N/A	N/A

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TABLE 2

L.E. CARPENTER - WHARTON, NEW JERSEY

REGIONAL APPARENT FREE PRODUCT TRENDS

THROUGH 1st QUARTER 2004

	EFR Event Date	21-Nov-97	9-Dec-97	7-Jan-98	16-Feb-98	16-Mar-98	27-Mar-98	24-Apr-98	29-May-98	30-Jun-98	31-Jul-98	24-Aug-98	17-Sep-98	22-Oct-98	20-Nov-98	18-Dec-98	13-Jan-99	17-Feb-99	23-Mar-99	19-Apr-99	18-May-99
								1/1/00													
Western Region of Free Product	EFR-1	1.64	1.53	1.94	2.48	0.93	0.94	1.42	1.55	2.11	1.28	1.22	1.71	1.59	1.71	1.57	0.53	1.79	3.68	1.13	1.09
	EFR-2	1.55	1.50	1.86	2.20	2.96	2.92	2.65	2.44	1.78	1.12	1.09	1.21	1.29	1.51	1.41	0.95	1.40	2.42	1.46	1.22
	EFR-3	0.85	1.02	1.27	1.58	1.19	0.03	0.24	0.19	0.77	0.72	0.93	1.03	1.01	1.19	1.18	1.14	1.01	1.63	0.36	0.25
	EFR-17	0.04	0.17	1.56	0.17	0.08	0.00	0.09	0.00	0.02	0.37	0.29	0.46	0.56	0.71	0.53	0.26	0.08	0.06	0.06	0.08
	EFR-18	0.10	0.10	0.09	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.14	0.48	0.68	0.98	1.08	0.56	0.11	0.00	0.06	0.16
	EFR-20	0.40	0.34	0.95	0.27	0.00	0.00	0.04	0.24	0.37	0.65	0.63	0.79	1.24	1.85	2.11	0.65	1.33	0.88	0.43	0.89
	EFR-21	2.36	2.40	2.71	2.74	4.14	3.97	4.23	3.98	3.29	1.97	1.87	1.86	1.77	1.67	1.62	1.21	1.43	2.62	2.35	1.49
	EFR-28	2.20	2.30	1.78	2.60	3.20	3.48	4.40	3.16	2.61	1.47	1.73	1.69	1.83	1.79	1.74	1.03	1.29	1.71	1.65	1.46
	Total Free Product (ft)	212.00	9.36	12.16	12.04	12.50	11.34	13.07	11.56	10.96	7.66	7.90	9.23	9.97	11.41	11.24	6.33	8.44	13.00	7.50	6.64
	Total Free Product (gal)	212.00	6.00	7.79	7.72	8.01	7.27	8.38	7.41	7.03	4.91	5.06	6.00	6.48	7.42	7.31	4.11	5.49	8.45	4.88	4.32
		213.00																			
West-Central Region of Free Product	EFR-4	1.03	2.27	0.54	0.30	0.00	0.00	0.00	0.00	0.03	0.38	1.23	2.40	2.17	1.75	1.79	0.73	0.10	0.14	0.08	0.05
	EFR-5	4.03	3.74	4.25	3.29	3.39	1.71	2.71	2.02	1.86	2.38	2.52	2.33	2.52	2.19	2.28	2.68	3.47	6.15	2.65	2.61
	EFR-6	0.72	1.00	1.24	2.27	1.71	1.17	2.23	1.55	1.56	1.96	1.56	1.42	1.25	1.29	1.38	0.49	0.84	0.88	0.61	1.07
	EFR-7	0.17	0.09	0.16	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.03	0.07	0.05	0.20	0.16	0.02	0.04	0.04	0.07	0.02
	EFR-19	0.54	2.80	1.89	1.95	1.63	1.44	0.88	0.65	0.42	0.90	1.26	1.68	1.95	2.31	2.44	1.83	1.68	0.52	0.44	0.52
	EFR-22	3.78	4.10	0.05	3.40	4.69	3.42	1.82	1.22	0.96	2.86	2.87	2.97	2.83	2.58	2.27	2.06	0.84	0.34	0.95	1.39
	EFR-23	0.00	0.06	0.06	0.02	0.00	0.00	0.00	0.00	0.05	0.11	0.08	0.27	1.03	3.07	2.29	1.55	0.91	0.47	0.22	0.25
	EFR-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.03	0.12	0.14	0.38	0.06	0.00	0.00	0.00
	EFR-25	2.95	3.00	3.55	4.15	3.11	0.72	0.82	0.79	0.78	0.60	0.41	0.29	0.41	1.33	1.58	1.05	1.75	1.19	1.08	0.76
	EFR-26	2.20	2.05	2.66	2.30	2.12	1.43	1.32	1.95	1.21	2.06	1.58	1.17	1.24	1.08	1.09	0.73	0.55	0.45	0.75	1.29
	EFR-27	0.15	0.02	2.71	0.74	0.00	0.00	0.03	0.00	0.02	0.33	0.45	1.49	0.54	0.47	0.51	0.09	0.12	0.00	0.00	0.02
	Total Free Product (ft)	15.57	19.13	17.11	18.42	16.65	9.89	9.81	8.18	6.91	11.60	11.99	14.09	14.02	16.39	15.93	11.61	10.36	10.18	6.85	7.98
	Total Free Product (gal)	9.98	12.26	10.97	11.81	10.67	6.34	6.29	5.24	4.43	7.44	7.69	9.16	9.11	10.65	10.35	7.55	6.73	6.62	4.45	5.19
East-Central Region of Free Product	EFR-8	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.03	0.04	0.08	0.13	0.09	0.07	0.03	0.12	0.00	0.03	0.03	0.03
	EFR-9	0.00	1.10	1.79	0.16	3.08	0.08	0.07	0.11	0.29	0.61	0.98	1.23	1.31	1.26	1.86	0.74	0.49	0.06	0.11	0.32
	EFR-10	5.20	5.80	6.42	7.47	7.06	6.05	6.71	5.47	5.68	4.94	4.52	4.34	4.38	3.98	3.99	3.68	5.79	5.52	4.97	4.23
	EFR-11	3.07	4.04	4.28	4.47	4.32	4.67	5.91	5.73	6.08	4.73	4.47	3.95	4.06	3.65	3.52	2.42	4.69	2.84	2.02	2.48
	EFR-12	0.04	0.03	0.00	0.07	0.00	0.00	0.00	0.02	0.28	0.22	0.28	0.24	0.15	0.29	0.17	0.04	0.11	0.05	0.02	0.02
	EFR-13	0.48	0.56	1.33	1.28	1.07	1.07	0.67	0.00	0.90	0.56	0.48	0.66	0.82	1.13	1.30	0.22	1.19	0.15	0.49	0.50
	Total Free Product (ft)	8.79	11.53	13.82	13.53	15.53	11.87	13.36	11.33	13.26	11.10	10.81	10.55	10.81	10.38	10.87	7.22	12.27	8.65	7.64	7.58
	Total Free Product (gal)	5.63	7.39	8.86	8.67	9.95	7.61	8.56	7.26	8.50	7.12	6.93	6.86	7.03	6.75	7.07	4.69	7.98	5.62	4.97	4.93
Eastern Region of Free Product	EFR-14	0.10	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-15	0.09	0.12	0.27	0.06	0.00	0.00	0.00	0.00	0.03	0.02	0.03	0.03	0.12	0.12	0.32	0.11	0.07	0.01	0.01	0.00
	EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Free Product (ft)	0.19	0.28	0.27	0.06	0.00	0.00	0.00	0.00	0.03	0.02	0.03	0.03	0.12	0.12	0.32	0.11	0.07	0.01	0.01	0.00
	Total Free Product (gal)	0.12	0.18	0.17	0.04	0.00	0.00	0.00	0.00	0.02	0.01	0.02	0.02	0.08	0.08	0.21	0.07	0.04	0.01	0.01	0.00
TOTAL APPARENT FREE PRODUCT VOLUME (GAL)		227.74	25.83	27.79	28.24	28.64	21.22	23.23	19.92	19.97	19.47	19.70	22.03	22.70	24.89	24.93	16.42	20.24	20.70	14.30	14.43

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TABLE 2

L.E. CARPENTER - WHARTON, NEW JERSEY

REGIONAL APPARENT FREE PRODUCT TRENDS

THROUGH 1st QUARTER 2004

	EFR Event Date	22-Jun-99	28-Jul-99	27-Aug-99	22-Sep-99	27-Oct-99	30-Nov-99	16-Dec-99	28-Jan-00	18-Feb-00	24-Mar-00	19-Apr-00	18-May-00	16-Jun-00	18-Jul-00	17-Aug-00	18-Sep-00	25-Oct-00	17-Nov-00	15-Dec-00	15-Mar-01
Western Region of Free Product	EFR-1	1.15	1.49	1.27	1.94	1.63	1.47	1.20	1.22	0.85	1.86	1.59	1.54	2.10	1.51	1.26	1.53	1.00	1.07	1.14	2.91
	EFR-2	0.92	1.21	1.00	0.63	1.35	1.28	1.40	0.06	1.04	2.25	2.00	1.64	1.89	1.40	0.36	1.08	0.97	1.09	0.76	2.92
	EFR-3	0.86	0.88	1.03	0.74	0.69	0.47	0.02	0.51	0.07	0.08	0.09	0.62	1.02	0.25	0.02	0.08	0.44	0.43	0.46	0.33
	EFR-17	0.12	0.39	0.36	0.10	0.06	0.24	0.25	0.11	0.32	0.04	0.16	0.65	0.04	0.01	0.02	0.09	0.06	0.36	0.01	0.41
	EFR-18	0.46	0.96	1.37	0.61	0.36	0.77	0.05	0.20	0.05	0.12	0.04	0.32	0.01	0.06	0.16	0.08	0.31	0.31	0.20	3.27
	EFR-20	0.87	1.59	1.86	0.47	1.92	1.36	0.75	1.08	2.58	0.64	0.42	0.54	0.33	0.30	0.39	0.45	0.54	0.11	0.37	0.24
	EFR-21	1.46	1.57	1.04	1.01	2.32	1.40	1.70	1.92	1.34	3.04	2.86	2.47	3.02	2.09	1.62	2.75	1.79	1.65	1.37	4.09
	EFR-28	1.25	1.67	1.78	0.38	2.19	0.96	1.42	1.33	1.00	2.30	2.42	1.81	2.68	1.72	2.48	2.02	1.39	1.36	0.64	2.81
	Total Free Product (ft)	7.09	9.76	9.71	5.88	10.52	7.95	6.79	6.43	7.25	10.33	9.58	9.59	11.09	7.34	6.31	8.08	6.50	6.38	4.95	16.98
	Total Free Product (gal)	4.61	6.34	6.31	3.82	6.84	5.17	4.41	4.18	4.71	6.71	6.23	6.23	7.21	4.77	4.10	5.25	4.23	4.15	3.22	11.04
West-Central Region of Free Product	EFR-4	0.03	0.44	0.99	0.51	0.11	0.03	0.58	0.51	0.48	0.11	0.11	0.41	0.22	0.05	0.02	0.02	0.02	0.05	0.21	0.59
	EFR-5	2.66	2.66	1.57	1.77	3.23	2.99	1.27	2.95	2.46	2.91	2.54	1.84	2.34	1.99	1.69	1.57	2.74	2.47	2.76	5.95
	EFR-6	1.16	1.51	0.91	0.15	0.86	0.63	0.33	1.07	0.77	0.29	0.31	0.49	0.27	0.54	0.29	0.55	0.83	0.79	0.96	2.05
	EFR-7	0.08	0.28	0.05	0.01	0.07	0.04	0.47	0.15	0.02	0.35	0.01	0.02	-	-	0.01	-	0.01	0.01	0.01	0.28
	EFR-19	1.10	2.05	2.02	0.51	1.54	0.84	0.69	1.67	1.73	0.25	0.60	0.98	0.17	0.63	0.34	0.22	0.87	0.59	1.42	2.32
	EFR-22	1.93	1.47	1.41	0.17	2.22	1.76	0.53	0.82	0.58	0.09	0.16	0.05	0.05	0.01	0.18	0.06	0.53	2.14	1.50	0.81
	EFR-23	0.45	2.13	1.03	0.12	0.53	0.64	0.24	0.23	0.31	0.46	0.06	0.06	0.01	0.13	0.03	0.07	0.07	0.08	0.39	0.07
	EFR-24	0.08	0.08	0.05	0.00	0.00	0.04	0.13	0.11	0.07	0.58	0.02	0.03	-	-	-	0.01	0.01	0.01	0.04	2.27
	EFR-25	0.54	1.74	1.48	0.21	0.39	0.19	0.05	0.31	0.39	0.58	0.21	0.10	0.03	0.10	0.03	0.10	0.19	0.12	0.10	0.04
	EFR-26	1.28	1.23	0.72	0.29	0.52	0.94	0.59	1.54	1.10	1.33	1.68	2.02	1.44	2.25	1.38	2.01	2.05	1.78	1.10	2.64
	EFR-27	0.03	0.17	0.21	0.06	0.01	0.01	0.01	0.02	0.14	0.20	0.01	0.03	0.04	0.01	0.01	0.15	0.01	0.01	0.01	0.48
	Total Free Product (ft)	9.34	13.76	10.44	3.80	9.48	8.11	4.89	9.38	8.05	7.15	5.71	6.03	4.57	5.71	3.98	4.76	7.33	8.05	8.50	17.50
	Total Free Product (gal)	6.07	8.94	6.79	2.47	6.16	5.27	3.18	6.10	5.23	4.65	3.71	3.92	2.97	3.71	2.59	3.09	4.76	5.23	5.53	11.38
East-Central Region of Free Product	EFR-8	0.09	0.39	0.27	0.09	0.13	0.05	0.11	0.05	0.06	0.08	0.03	0.05	0.03	0.02	0.01	0.01	0.16	0.02	0.06	0.03
	EFR-9	0.49	1.16	0.56	0.41	0.28	0.10	0.15	0.13	0.08	0.19	0.02	0.06	0.06	0.12	0.16	0.08	0.02	0.50	0.77	0.57
	EFR-10	3.71	3.63	2.47	3.02	5.18	3.95	3.07	4.50	3.55	3.50	4.50	1.36	2.50	3.09	0.75	2.76	3.88	3.27	4.05	5.64
	EFR-11	3.28	2.78	1.57	1.93	3.20	3.11	1.07	3.44	4.95	2.41	2.95	2.93	2.49	4.12	0.79	4.73	4.26	4.00	3.73	2.82
	EFR-12	0.10	0.30	0.20	0.03	0.09	0.67	0.01	0.03	0.49	0.46	0.10	0.19	0.01	0.01	0.00	0.03	0.11	0.04	0.02	0.07
	EFR-13	0.44	1.33	1.01	0.74	0.78	0.57	0.26	0.36	0.34	0.48	0.47	0.69	0.55	0.73	0.49	0.22	0.25	0.09	0.15	1.14
	Total Free Product (ft)	8.11	9.59	6.08	6.22	9.66	8.45	4.67	8.51	9.47	7.12	8.07	5.28	5.64	8.09	2.20	7.83	8.68	7.92	8.78	10.27
	Total Free Product (gal)	5.27	6.23	3.95	4.04	6.28	5.49	3.04	5.53	6.16	4.63	5.25	3.43	3.67	5.26	1.43	5.09	5.64	5.15	5.71	6.68
Eastern Region of Free Product	EFR-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-15	0.00	0.00	0.13	0.04	0.02	0.08	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Free Product (ft)	0.00	0.00	0.13	0.04	0.02	0.08	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	Total Free Product (gal)	0.00	0.00	0.08	0.03	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
TOTAL APPARENT FREE PRODUCT VOLUME (GAL)		15.95	21.52	17.13	10.36	19.29	15.98	10.64	15.82	16.11	16.00	15.20	13.59	13.85	13.74	8.12	13.44	14.63	14.53	14.45	29.09

Prepared By: RMT, Inc. 4/28/2004
File: 000652702-001.XLS Table 2 11x17

TABLE 2

L.E. CARPENTER - WHARTON, NEW JERSEY

REGIONAL APPARENT FREE PRODUCT TRENDS

THROUGH 1st QUARTER 2004

	EFR Event Date	23-Apr-01	25-May-01	13-Jun-01	27-Jul-01	24-Aug-01	25-Sep-01	25-Oct-01	20-Nov-01	31-Dec-01	29-Jan-02	20-Feb-02	26-Mar-02	10-Apr-02	6-May-02	13-Jun-02	15-Jul-02	9-Aug-02	13-Sep-02	8-Oct-02	7-Nov-02
Western Region of Free Product	EFR-1	1.25	1.02	1.14	0.57	0.80	1.29	1.60	1.51	1.57	2.07	1.93	0.90	0.77	1.60	1.92	0.65	0.81	1.14	0.83	1.62
	EFR-2	2.66	1.75	2.26	1.22	1.17	1.22	1.14	1.15	1.19	1.37	1.33	1.40	1.20	2.39	2.15	1.33	1.02	0.09	1.27	2.86
	EFR-3	0.29	0.49	0.70	0.40	0.66	0.51	0.81	0.76	0.80	0.70	0.78	1.05	1.09	1.28	1.53	0.25	0.89	0.81	0.91	0.98
	EFR-17	0.31	0.51	0.28	0.02	0.49	0.34	0.85	0.97	1.57	1.43	2.23	1.90	0.77	0.75	0.60	0.43	0.67	1.50	0.71	1.10
	EFR-18	1.35	0.43	0.31	0.01	0.13	0.41	0.69	0.75	1.22	1.90	1.00	1.07	0.81	0.80	0.05	0.32	0.02	1.56	0.21	0.04
	EFR-20	0.97	0.52	0.31	0.08	0.32	0.24	0.73	1.10	1.29	1.78	0.46	1.24	1.24	1.74	2.03	1.62	1.58	1.85	1.47	1.77
	EFR-21	3.51	2.96	2.61	1.98	1.61	1.87	1.58	1.38	1.54	1.51	1.50	2.25	1.65	2.11	2.51	1.98	1.46	0.02	0.44	0.00
	EFR-28	2.75	1.86	2.34	1.36	1.67	1.05	1.50	1.38	1.51	1.67	1.86	0.21	0.63	0.29	0.35	1.08	0.38	1.22	0.22	0.14
	Total Free Product (ft)	13.09	9.54	9.95	5.64	6.85	6.93	8.90	9.00	10.69	12.43	11.09	10.02	8.16	10.96	11.14	7.66	6.83	8.19	6.06	8.51
	Total Free Product (gal)	8.51	6.20	6.47	3.67	4.45	4.50	5.79	5.85	6.95	8.08	7.21	6.51	5.30	7.12	7.24	4.98	4.44	5.32	3.94	5.53
West-Central Region of Free Product	EFR-4	1.65	0.01	0.44	0.02	1.86	0.11	0.57	0.68	0.54	0.26	1.13	0.37	0.89	0.98	1.07	1.00	0.26	0.11	0.43	2.86
	EFR-5	1.75	1.90	0.62	2.24	2.05	2.25	2.55	2.10	2.67	2.66	2.68	3.50	3.07	3.25	2.17	2.01	2.00	2.05	1.67	1.68
	EFR-6	0.32	0.43	0.16	0.46	0.49	0.37	1.13	1.56	1.23	0.71	2.21	2.30	0.77	0.43	0.27	0.54	0.45	0.62	0.38	3.14
	EFR-7	0.02	0.02	0.00	0.00	0.16	0.00	0.05	0.08	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.01	0.00	0.00
	EFR-19	0.65	1.98	1.01	0.44	1.19	0.54	2.15	2.36	2.38	2.26	3.22	2.90	2.69	1.34	0.95	1.82	1.55	2.55	0.35	1.30
	EFR-22	0.06	0.43	0.00	0.00	0.47	0.57	1.22	1.53	1.93	0.98	0.63	0.80	0.39	0.16	0.19	0.32	0.11	0.22	1.39	1.09
	EFR-23	0.03	0.88	0.28	0.05	0.34	0.07	0.85	2.67	0.75	0.98	1.13	0.01	0.70	0.57	0.52	0.60	0.38	0.77	0.53	0.81
	EFR-24	0.05	0.34	0.01	0.01	0.27	0.14	0.35	0.38	0.34	0.47	2.65	0.60	1.35	0.33	0.24	1.18	0.19	0.13	0.16	0.01
	EFR-25	0.39	0.28	0.14	0.03	0.47	0.09	0.43	0.63	0.64	0.82	0.99	0.75	1.21	0.33	0.29	0.36	0.25	0.35	0.28	0.33
	EFR-26	2.56	2.68	1.48	2.24	1.07	1.20	1.45	1.22	1.13	1.14	0.87	1.55	1.67	1.83	1.92	2.42	1.69	1.24	0.59	0.28
	EFR-27	0.05	0.04	0.00	0.01	0.04	0.00	0.52	0.49	0.13	0.53	0.32	0.00	0.00	0.38	1.31	1.10	0.04	1.43	2.53	1.77
	Total Free Product (ft)	7.53	8.99	4.14	5.50	8.41	5.34	11.27	13.70	11.98	10.81	15.83	12.78	12.74	9.60	8.93	11.35	7.03	9.48	8.31	13.27
	Total Free Product (gal)	4.89	5.84	2.69	3.58	5.47	3.47	7.33	8.91	7.79	7.03	10.29	8.31	8.28	6.24	5.80	7.38	4.57	6.16	5.40	8.63
East-Central Region of Free Product	EFR-8	0.05	0.04	0.03	0.01	0.18	0.00	0.18	0.16	0.22	0.01	0.04	0.07	0.10	0.05	0.07	0.00	0.14	0.28	0.18	0.10
	EFR-9	0.07	0.56	0.07	0.14	0.27	0.39	0.56	0.85	0.32	0.29	0.45	0.32	0.32	0.28	0.11	0.35	0.30	0.19	0.32	0.33
	EFR-10	3.17	3.52	3.32	3.73	2.30	2.62	2.70	2.61	2.91	2.02	3.32	3.48	2.77	2.64	3.39	3.16	2.31	2.83	1.95	2.70
	EFR-11	2.41	3.56	2.60	3.91	2.37	3.86	3.22	2.44	2.90	2.89	2.58	2.12	0.99	0.87	1.01	1.54	2.08	3.91	2.06	1.88
	EFR-12	0.02	0.25	0.01	0.01	0.23	0.00	0.00	0.34	0.21	0.26	0.11	0.10	0.15	0.00	0.06	0.30	0.06	0.33	0.25	0.24
	EFR-13	0.27	0.78	0.26	0.39	0.47	0.38	0.46	0.88	0.44	0.84	0.44	0.87	0.68	1.71	1.11	0.55	0.26	0.61	0.30	0.55
	Total Free Product (ft)	5.99	8.71	6.29	8.19	5.82	7.25	7.12	7.28	7.00	6.31	6.94	6.96	5.01	5.55	5.75	5.90	5.15	8.15	5.06	5.80
	Total Free Product (gal)	3.89	5.66	4.09	5.32	3.78	4.71	4.63	4.73	4.55	4.10	4.51	4.52	3.26	3.61	3.74	3.84	3.35	5.30	3.29	3.77
Eastern Region of Free Product	EFR-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.20	0.00	0.09	0.00	0.28
	EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Free Product (ft)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.20	0.00	0.09	0.00	0.28
	Total Free Product (gal)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.13	0.00	0.06	0.00	0.18
TOTAL APPARENT FREE PRODUCT VOLUME (GAL)		17.30	17.71	13.25	12.56	13.70	12.69	17.74	19.51	19.29	19.21	22.01	19.38	16.84	16.97	16.78	16.32	12.36	16.84	12.63	18.11

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TABLE 2
L.E. CARPENTER - WHARTON, NEW JERSEY
REGIONAL APPARENT FREE PRODUCT TRENDS

	EFR Event Date	17-Dec-02	11-Mar-03	17-Mar-03	24-Mar-03	10-Apr-03	8-May-03	10-Jun-03	8-Jul-03	7-Aug-03	9-Sep-03	9-Oct-03	6-Nov-03	31-Dec-03	13-Jan-04	25-Feb-04	30-Mar-04
			3 EFR events in March of 1Q03 due to snow and ice cover in Jan and Feb 03														
Western Region of Free Product	EFR-1	1.33	0.68	0.22	0.41	0.45	0.19	0.48	0.13	0.49	0.69	0.83	0.26	0.09	0.05	0.28	0.19
	EFR-2	3.07	1.96	0.94	1.02	1.40	1.54	2.34	1.61	1.32	1.41	1.75	1.22	1.10	0.59	0.45	0.47
	EFR-3	0.88	0.70	0.30	0.20	0.07	0.14	0.05	0.08	0.10	0.19	0.13	0.08	0.05	0.01	0.01	0.14
	EFR-17	1.07	0.18	0.03	0.00	0.00	0.39	0.51	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-18	0.84	1.32	1.31	0.04	0.00	0.66	0.01	0.00	0.00	0.08	0.11	0.00	0.00	0.00	0.11	0.00
	EFR-20	2.45	2.30	1.88	1.33	2.42	1.00	3.18	2.41	0.00	1.78	2.40	2.59	2.51	1.20	1.13	1.43
	EFR-21	0.00	0.01	2.43	1.95	1.45	2.44	2.39	2.03	2.55	2.19	2.45	1.23	1.08	0.75	1.95	1.85
	EFR-28	0.28	1.04	0.30	0.61	0.44	0.38	0.30	0.09	0.08	0.06	0.11	0.14	0.15	0.00	0.00	0.00
	Total Free Product (ft)	9.92	8.19	7.41	5.56	6.23	6.74	9.26	6.36	4.54	6.40	7.78	5.52	4.98	2.60	3.93	4.08
	Total Free Product (gal)	6.45	5.32	4.82	3.61	4.05	4.38	6.02	4.13	2.95	4.16	5.06	3.59	3.24	1.69	2.55	2.65
West-Central Region of Free Product	EFR-4	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-5	0.37	2.91	1.19	0.16	0.79	0.49	0.81	0.29	0.29	0.72	0.73	0.51	0.42	0.11	0.22	0.28
	EFR-6	1.63	0.27	0.29	0.27	0.39	0.14	0.43	0.12	0.00	0.16	0.07	0.00	0.22	0.06	0.01	0.02
	EFR-7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-19	1.03	0.40	0.80	0.31	1.51	0.52	0.09	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
	EFR-22	0.76	2.60	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-23	0.67	0.82	0.06	0.50	2.24	0.05	0.26	0.04	0.00	0.11	0.10	0.10	0.26	0.02	0.17	0.02
	EFR-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-25	0.69	0.14	0.09	0.05	0.21	0.32	0.00	0.00	0.00	0.06	0.03	0.11	0.00	0.00	0.14	0.00
	EFR-26	0.40	0.33	0.27	0.30	0.18	0.51	0.20	0.15	0.00	0.93	0.58	0.33	0.24	0.25	0.45	0.66
	EFR-27	3.10	2.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Free Product (ft)	9.17	9.96	3.24	1.59	5.32	2.03	1.79	0.60	0.29	2.01	1.53	1.05	1.14	0.44	0.99	0.98
	Total Free Product (gal)	5.96	6.47	2.11	1.03	3.46	1.32	1.16	0.39	0.19	1.31	0.99	0.68	0.74	0.29	0.64	0.64
East-Central Region of Free Product	EFR-8	0.25	0.37	0.27	0.23	0.33	0.05	0.11	0.00	0.00	0.00	0.02	0.03	0.03	0.02	0.07	0.02
	EFR-9	0.25	0.24	0.02	0.32	0.54	0.17	0.10	1.03	0.00	0.02	0.07	0.06	0.03	0.06	0.04	0.26
	EFR-10	2.76	2.45	0.84	0.28	0.84	0.79	1.33	0.54	0.00	2.21	0.92	0.93	0.76	0.16	0.37	0.15
	EFR-11	1.87	2.62	4.69	3.83	1.19	0.99	1.01	0.66	0.19	3.57	1.52	0.70	0.89	0.21	0.29	1.18
	EFR-12	0.64	0.56	0.49	0.52	0.45	0.13	0.24	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
	EFR-13	0.68	0.08	0.11	0.26	0.25	0.12	0.27	0.03	0.12	0.18	0.09	0.08	0.07	0.00	0.01	0.03
	Total Free Product (ft)	6.45	6.32	6.42	5.44	3.60	2.25	3.06	2.27	0.31	5.98	2.62	1.80	1.78	0.45	0.94	1.64
	Total Free Product (gal)	4.19	4.11	4.17	3.54	2.34	1.46	1.99	1.48	0.20	3.89	1.70	1.17	1.16	0.29	0.61	1.07
Eastern Region of Free Product	EFR-14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EFR-16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Free Product (ft)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Free Product (gal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL APPARENT FREE PRODUCT VOLUME (GAL)		16.60	15.91	11.10	8.18	9.85	7.16	9.17	6.00	3.34	9.35	7.75	5.44	5.14	2.27	3.81	4.36

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TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR WELL GAUGING LOG

EFR #74 DATE 1/13/04

WELL ID	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	PRODUCT TICKNESS (ft)
EFR-1	8.7	8.75	0.05
EFR-2	9.24	9.83	0.59
EFR-3	9.2	9.21	0.01
EFR-4	10.45	10.45	0.00
EFR-5	9.06	9.17	0.11
EFR-6	8.38	8.44	0.06
EFR-7	5.32	5.32	0.00
EFR-8	4.67	4.69	0.02
EFR-9	5.01	5.07	0.06
EFR-10	5.76	5.92	0.16
EFR-11	5.24	5.45	0.21
EFR-12	4.31	4.31	0.00
EFR-13	3.92	3.92	0.00
EFR-14	3.68	3.68	0.00
EFR-15	3.08	3.08	0.00
EFR-16	4.11	4.11	0.00
EFR-17	7.27	7.27	0.00
EFR-18	7.94	7.94	0.00
EFR-19	10.87	10.87	0.00
EFR-20	8.68	9.88	1.20
EFR-21	7.6	8.35	0.75
EFR-22	10.85	10.85	0.00
EFR-23	7.27	7.29	0.02
EFR-24	10.32	10.32	0.00
EFR-25	9.97	9.97	0.00
EFR-26	11.82	12.07	0.25
EFR-27	10.03	10.03	0.00
EFR-28	9.07	9.07	0.00

Total Volume Of Free Standing Product (gal) 2.27

CEMCO FIELD TECHNICIAN: G. Pizzuti

TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR
VAPOR AND LIQUID PHASE VOLUMETRIC CALCULATION LOG

EFR #74 — **13-Jan-04**

WELL ID	EXTRACTION TIME		VAPOR PHASE CONCENTRATION		SYSTEM RECOVERY DATA			
	TOTAL TIME (min)	TOTAL TIME (hrs)	PPM	LEL (%)	VACUUM In Hg	CFM	lbs/hr	Total lbs
EFR-1	1.0	0.0167	2,558	39	17	100	1.00	0.0167
EFR-2	6.0	0.1000	918	14	17	100	4.25	0.4245
EFR-3	0.5	0.0083	656	10	17	100	3.03	0.0253
EFR-4	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-5	2.0	0.0333	656	10	17	100	3.03	0.1011
EFR-6	2.0	0.0333	918	14	17	100	4.25	0.1415
EFR-7	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-8	1.0	0.0167	525	8	17	100	2.43	0.0404
EFR-9	2.0	0.0333	1,837	28	17	100	8.49	0.2830
EFR-10	2.0	212.0000	1,378	21	17	100	6.37	1350.0625
EFR-11	2.0	212.0000	1,574	24	17	100	7.28	1542.9286
EFR-12	0.0	213.0000	0	0	17	100	0.00	0.0000
EFR-13	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-14	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-15	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-16	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-17	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-18	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-19	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-20	12.0	0.2000	1,837	28	17	100	8.49	1.6982
EFR-21	3.0	0.0500	1,443	22	17	100	6.67	0.3336
EFR-22	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-23	0.5	0.0083	918	14	17	100	4.25	0.0354
EFR-24	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-25	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-26	2.0	0.0333	4,133	63	17	100	19.10	0.6368
EFR-27	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-28	0.0	0.0000	0	0	17	100	0.00	0.0000
TOTAL TIME (min/hrs)		637.5333	AVG PPM	879.64			TOTAL (lbs)	2896.7277
							TOTAL VAPOR PHASE VOLUME (ft³)	370.9596

NOTE: PPM = (% LEL on Meter) x (LEL of Product Mixture) x (1,000,000)
(1) Weighted LEL for analyte mixture @ 0.656% (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)
Analyte LELs: DEHP @ 0.3% ; Ethylbenzene @ 1%; Xylenes @ 1.1%

Where:

ppm$_v$ =	Parts per Million by Volume		
Flow =	Cubic feet per minute (CFM)	100	
Molar Mass (MM) =	Molecular Weight (lb/lb-mole) =	292	(2)
IGC =	Ideal Gas Constant (359 ft³/lb-mole) =	379	
LEL =	Free Product Mixture =	0.656	(1)
SG =	Specific Gravity =	0.9363	(3)

NOTE: (2) Avg. Molar Mass @ 292 (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)
Individual Analyte Molar Mass: DEHP @ 390.54; Ethylbenzene @ 106.2; Total Xylenes @ 106.2
(3) Average specific gravity of 0.9363 (RMT, Inc. product sampling in October 1999 @ MW-1R; EFR-11 & WP-A8)

Pounds/Hr (lbs/hr) = (ppm$_v$ x (60 min/hr) x (CFM) x (MM)) / ((1 x 10⁶) x (359 ft³/lb-mole))

Free Product & Groundwater Gauging (55-Gal Drum)	
Product Thickness (in)	8.25
Groundwater Thickness (in)	1.25
Conversion @ 1.65 gal/inch	1.65
Total Product Volume (gal)	13.61
Total Groundwater Volume (gal)	2.06
Ratio Groundwater to Free Product (gal/gal)	0.15

		Y (gal)
Total Recovered Groundwater Volume (gal)		2.06
Total Recovered Free Product Volume (gal)		13.61
Total Recovered Fluids Volume (gal)		15.68
TOTAL EFR PRODUCT VOLUME		384.57 GAL

Date	1/13/04
Project #	6527.03
Subcontractor	CEMCO
Vac Head Utilized	NORTECH Corp. 551B

CEMCO Field Technician: Gary Pizzuti

RMT Project Manager: Nick Clevett

TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR WELL GAUGING LOG

EFR #75 DATE 2/25/04

WELL ID	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	PRODUCT TICKNESS (ft)
EFR-1	9.75	10.03	0.28
EFR-2	10.3	10.75	0.45
EFR-3	10.3	10.31	0.01
EFR-4	11.35	11.35	0.00
EFR-5	10.04	10.26	0.22
EFR-6	9.39	9.4	0.01
EFR-7	6.72	6.72	0.00
EFR-8	5.63	5.7	0.07
EFR-9	5.88	5.92	0.04
EFR-10	6.22	6.59	0.37
EFR-11	6.16	6.45	0.29
EFR-12	5.24	5.4	0.16
EFR-13	4.8	4.81	0.01
EFR-14	4.48	4.48	0.00
EFR-15	3.83	3.83	0.00
EFR-16	4.59	4.59	0.00
EFR-17	8.33	8.33	0.00
EFR-18	8.93	9.04	0.11
EFR-19	12.91	12.91	0.00
EFR-20	9.77	10.9	1.13
EFR-21	8.65	10.6	1.95
EFR-22	11.86	11.86	0.00
EFR-23	8.11	8.28	0.17
EFR-24	11.38	11.38	0.00
EFR-25	10.97	11.11	0.14
EFR-26	12.81	13.26	0.45
EFR-27	9.61	9.61	0.00
EFR-28			

Total Volume Of Free Standing Product (gal) 3.81

CEMCO FIELD TECHNICIAN: G. Pizzuti

TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR
VAPOR AND LIQUID PHASE VOLUMETRIC CALCULATION LOG

EFR #75 **25-Feb-04**

WELL ID	EXTRACTION TIME		VAPOR PHASE CONCENTRATION		SYSTEM RECOVERY DATA			
	TOTAL TIME (min)	TOTAL TIME (hrs)	PPM	LEL (%)	VACUUM In Hg	CFM	lbs/hr	Total lbs
EFR-1	1.0	0.0167	2,821	43	17	100	1.00	0.0167
EFR-2	6.0	0.1000	1,312	20	17	100	6.06	0.6065
EFR-3	0.5	0.0083	787	12	17	100	3.64	0.0303
EFR-4	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-5	1.0	0.0167	525	8	17	100	2.43	0.0404
EFR-6	0.5	0.0083	1,050	16	17	100	4.85	0.0404
EFR-7	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-8	1.0	0.0167	787	12	17	100	3.64	0.0606
EFR-9	2.0	0.0333	2,034	31	17	100	9.40	0.3134
EFR-10	2.0	212.0000	1,181	18	17	100	5.46	1157.1965
EFR-11	3.0	212.0000	1,771	27	17	100	8.19	1735.7947
EFR-12	2.0	213.0000	918	14	17	100	4.25	904.2872
EFR-13	0.5	0.0083	3,346	51	17	100	15.47	0.1289
EFR-14	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-15	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-16	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-17	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-18	1.0	0.0167	66	1	17	100	0.30	0.0051
EFR-19	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-20	8.0	0.1333	525	8	17	100	2.43	0.3235
EFR-21	10.0	0.1667	656	10	17	100	3.03	0.5054
EFR-22	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-23	2.0	0.0333	131	2	17	100	0.61	0.0202
EFR-24	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-25	2.0	0.0333	131	2	17	100	0.61	0.0202
EFR-26	3.0	0.0500	3,805	58	17	100	17.59	0.8794
EFR-27	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-28	0.0	0.0000	0	0	17	100	0.00	0.0000
Total EFR Time (hrs) =		637.6417	AVG ppm =	951.20			TOTAL LBS =	3800.2694
							TOTAL VAPOR EQUIVALENT VOLUME (GAL) =	486.6686

NOTE: PPM = (% LEL on Meter) x (LEL of Product Mixture) x (1,000,000)
(1) Weighted LEL for analyte mixture @ 0.656% (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)
Analyte LELs: DEHP @ 0.3% ; Ethylbenzene @ 1%; Xylenes @ 1.1%

Where:

ppm, =	Parts per Million by Volume		
Flow =	Cubic feet per minute (CFM)	100	
Molar Mass (MM) =	Molecular Weight (lb/lb-mole) =	292	(2)
IGC =	Ideal Gas Constant (359 ft^3/lb-mole) =	379	
LEL =	Free Product Mixture =	0.656	(1)
SG =	Specific Gravity =	0.9363	(3)

NOTES: (2) Avg. Molar Mass @ 292 (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)
Individual Analyte Molar Mass: DEHP @ 390.54; Ethylbenzene @ 106.2; Total Xylenes @ 106.2
(3) Average specific gravity of 0.9363 (RMT, Inc. product sampling in October 1999 @ MW-1R; EFR-11 & WP-A8)

$$\text{Pounds/Hr (lbs/hr)} = (\text{ppm}_v \times (60\ \text{min/hr}) \times (\text{CFM}) \times (\text{MM})) / ((\text{I} \times 10^6) \times (359\ \text{ft}^3/\text{lb-mole}))$$

Free Product & Groundwater Gauging (55-Gal Drum)	
Product Thickness (in)	8.50
Groundwater Thickness (in)	9.00
Conversion @ 1.65 gal/inch	1.65
Total Product Volume (gal)	14.03
Total Groundwater Volume (gal)	14.85
Ratio Groundwater to Free Product (gal/gal)	1.06

	Y (gal)
Total Recovered Groundwater Volume (gal)	14.85
Total Recovered Free Product Volume (gal)	14.03
Total Recovered Fluids Volume (gal)	28.88
TOTAL EFR PRODUCT VOLUME	500.69 GAL

Date	25-Feb-04
Project #	6527.03
Subcontractor	CEMCO
Vac Head Utilized	NORTECH Corp. 551B

CEMCO Field Technician: Gary Pizzuti

RMT Project Manager: Nick Clevett

TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR WELL GAUGING LOG

EFR #76 DATE 3/30/04

WELL ID	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	PRODUCT TICKNESS (ft)
EFR-1	9.51	9.7	0.19
EFR-2	10.11	10.58	0.47
EFR-3	10.08	10.22	0.14
EFR-4	11.29	11.29	0.00
EFR-5	9.87	10.15	0.28
EFR-6	9.18	9.2	0.02
EFR-7	5.92	5.92	0.00
EFR-8	5.49	5.51	0.02
EFR-9	5.69	5.95	0.26
EFR-10	6.1	6.25	0.15
EFR-11	5.99	7.17	1.18
EFR-12	5.03	5.03	0.00
EFR-13	4.64	4.67	0.03
EFR-14	4.37	4.37	0.00
EFR-15	3.74	3.74	0.00
EFR-16	4.48	4.48	0.00
EFR-17	8.18	8.18	0.00
EFR-18	8.79	8.79	0.00
EFR-19	11.72	11.72	0.00
EFR-20	9.52	10.95	1.43
EFR-21	8.41	10.26	1.85
EFR-22	11.68	11.68	0.00
EFR-23	7.99	8.01	0.02
EFR-24	11.14	11.14	0.00
EFR-25	10.77	10.77	0.00
EFR-26	12.63	13.29	0.66
EFR-27	9.5	9.5	0.00
EFR-28			

Total Volume Of Free Standing Product (gal) 4.36

CEMCO FIELD TECHNICIAN: G. Pizzuti

TABLE 3
L. E. CARPENTER - WHARTON, NEW JERSEY

MONTHLY EFR
VAPOR AND LIQUID PHASE VOLUMETRIC CALCULATION LOG

EFR #76 **30-Mar-04**

WELL ID	EXTRACTION TIME		VAPOR PHASE CONCENTRATION		SYSTEM RECOVERY DATA			
	TOTAL TIME (min)	TOTAL TIME (hrs)	PPM	LEL (%)	VACUUM In Hg	CFM	lbs/hr	Total lbs
EFR-1	2.0	0.0333	4,330	66	17	100	1.00	0.0333
EFR-2	2.0	0.0333	4,920	75	17	100	22.74	0.7581
EFR-3	2.0	0.0333	4,789	73	17	100	22.14	0.7379
EFR-4	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-5	2.0	0.0333	3,542	54	17	100	16.38	0.5458
EFR-6	0.5	0.0083	262	4	17	100	1.21	0.0101
EFR-7	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-8	0.5	0.0083	459	7	17	100	2.12	0.0177
EFR-9	2.0	0.0333	5,642	86	17	100	26.08	0.8693
EFR-10	2.0	212.0000	4,526	69	17	100	20.92	4435.9198
EFR-11	6.0	212.0000	5,838	89	17	100	26.99	5721.6936
EFR-12	0.0	213.0000	0	0	17	100	0.00	0.0000
EFR-13	0.5	0.0083	525	8	17	100	2.43	0.0202
EFR-14	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-15	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-16	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-17	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-18	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-19	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-20	7.0	0.1167	4,198	64	17	100	19.41	2.2643
EFR-21	8.0	0.1333	2,952	45	17	100	13.65	1.8195
EFR-22	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-23	0.5	0.0083	197	3	17	100	0.91	0.0076
EFR-24	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-25	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-26	4.0	0.0667	3,805	58	17	100	17.59	1.1726
EFR-27	0.0	0.0000	0	0	17	100	0.00	0.0000
EFR-28	0.0	0.0000	0	0	17	100	0.00	0.0000
TOTAL EXTRACTION TIME		637.5167	AVG PPM	2090.25			TOTAL (LBS)	10165.8698
							TOTAL VAPOR PHASE VOLUME (GAL)	1301.8576

NOTE: PPM = (% LEL on Meter) x (LEL of Product Mixture) x (1,000,000)
(1) Weighted LEL for analyte mixture @ 0.656% (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)
Analyte LELs: DEHP @ 0.3%; Ethylbenzene @ 1%; Xylenes @ 1.1%

Where:

ppm_v =	Parts per Million by Volume		
Flow =	Cubic feet per minute (CFM)	100	
Molar Mass (MM) =	Molecular Weight (lb/lb-mole) =	292	(2)
IGC =	Ideal Gas Constant (359 ft^3/lb-mole) =	379	
LEL =	Free Product Mixture =	0.656	(1)
SG =	Specific Gravity =	0.9363	(3)

NOTE: (2) Avg. Molar Mass @ 292 (based on DEHP, Ethylbenzene & Total Xylene concentrations in Roy F. Weston product sampling conducted on Feb 27, 1995 @ MW-1R; MW-11S; MW-6R; WP-B5 & WP-B4)
Individual Analyte Molar Mass: DEHP @ 390.54; Ethylbenzene @ 106.2; Total Xylenes @ 106.2
(3) Average specific gravity of 0.9363 (RMT, Inc. product sampling in October 1999 @ MW-1R; EFR-11 & WP-A8)

$$\text{Pounds/Hr (lbs/hr)} = (ppm_v \times (60\ \text{min/hr}) \times (\text{CFM}) \times (\text{MM})) / ((1 \times 10^6) \times (359\ ft^3/\text{lb-mole}))$$

Free Product & Groundwater Gauging (55-Gal Drum)	
Product Thickness (in)	8.00
Groundwater Thickness (in)	1.50
Conversion @ 1.65 gal/inch	1.65
Total Product Volume (gal)	13.20
Total Groundwater Volume (gal)	2.48
Ratio Groundwater to Free Product (gal/gal)	0.19

	Y (gal)
Total Recovered Groundwater Volume (gal)	2.48
Total Recovered Free Product Volume (gal)	13.20
Total Recovered Fluids Volume (gal)	15.68
TOTAL EFR PRODUCT VOLUME	1315.06 GAL

Date	30-Mar-04
Project #	6527.03
Subcontractor	CEMCO
Vac Head Utilized	NORTECH Corp. 551B

CEMCO Field Technician: Gary Pizzuti

RMT Project Manager: Nick Clevett

TABLE 4
L.E. CARPENTER - WHARTON, NEW JERSEY
QUARTERLY MONITORING PROTOCOL

Monitoring Well	Analytical Parameters	Rational	Comments
MW-14S	BTEX(1) DEHP(1)	Analytical results will identify the migration of the dissolved groundwater plume in the Shallow Aquifer Zone downgradient of the site (Wharton Enterprise property)	Monitoring Well added to quarterly sampling protocol beginning 1st Quarter 2002 the further assess groundwater quality and flow within the Wharton Enterprise property.
MW-14I	BTEX(1) DEHP(1)	Analytical results will identify the migration of the dissolved groundwater plume in the Intermediate Aquifer Zone downgradient of the site (Wharton Enterprise property)	Original Monitoring Well
MW-15S	BTEX(1) DEHP(1)	Analytical results will identify if the dissolved groundwater plume is migrating through this portion of the shallow aquifer zone (on the rail spur right-of-way)	Original Monitoring Well
MW-15I	BTEX(1) DEHP(1)	Analytical results will identify the migration of the dissolved groundwater plume through the Intermediate Aquifer Zone in the is area (on rail spur right-of-way)	Original Monitoring Well
MW-22R	BTEX(1) DEHP(1)	Analytical results will identify the movement of the dissolved groundwater plume in the shallow aquifer zone downgradient of the site (Wharton Enterprise property).	Original Monitoring Well. Beginning in 2nd quarter 2001, well will be analyzed for DEHP quarterly vs. semiannually
MW-25R	BTEX(1) DEHP(1)	Analytical results will identify the movement of the dissolved groundwater plume in the shallow aquifer zone downgradient of the site. East of MW-22R (Wharton Enterprise property).	DEHP sampling required quarterly as opposed to semi annually per Nov 23, 1998 NJDEP Letter.
MW-17S	BTEX(1) DEHP(1)	Analytical results from this well will also identify "background" conditions at the site in the shallow aquifer zone.	Original Monitoring Well
MW-4	BTEX(1) DEHP(1)	Analytical results from this well will also identify "background" conditions at the site in the shallow aquifer zone (south portion of subject site, bordering on the Rockaway River)	Original Monitoring Well
MW-11D(R)	DEHP(1)	Analytical results from this well identify potential contamination of deep aquifer. This well lies in the center of the free product plume.	New well added to monitoring protocol as of May 21, 1999 NJDEP Letter (review of 1st quarter 1999 monitoring report). Well exhibited DEHP contamination potentially as the result of draw down during well installation. Well will be sampled for both monito
MW-21	BTEX(1) DEHP(1)	Analytical results from this well will also identify "background" conditions at the site in the shallow aquifer zone. Additionally, data from this well is used to track the potential migratory trend from MW-25 (Eastern most portion of the subject site)	New well added to monitoring protocol as of Nov 23, 1998 NJDEP Letter.

NOTES
(1) Parameter analyzed every quarter
(2) Low flow sampling initiated 1st Quarter 2002 [Ref. Workplan for Supplemental Investigation of Natural Attenuation of Dissolved Constituents in Groundwater (RMT, May 2001]
(3) Beginning 1st Quarter 2002, both BTEX and DEHP will be analyzed every quarter

S: Shallow Hydrogeologic Unit
I: Intermediate Hydrogeologic
D: Deep Hydrogeologic Unit
R: Replacement well

QA/QC PROTOCOL
QA/QC procedures outlined in the Quality Assurance Project Plan (QAPP) included as Appendix A in the report entitled Workplan for Supplemental Investigation of Natural Attenuation of Dissolved Constituents in Groundwater (RMT, May 2001), and amended in the October 23, 2001 responses to agency comments regarding the "Workplan", will be followed during each sampling event.

Field Blank: BTEX & DEHP - USE TRIPLE DISTILLED WATER
Trip Blank: BTEX & DEHP - USE TRIPLE DISTILLED WATER
Rinsate Blank: BTEX & DEHP
Duplicate Sample: BTEX & DEHP

FIELD ANALYSIS
All quarterly monitoring wells will be field tested for pH, temperature, specific conductivity, & turbidity

TABLE 5
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-4	1995	1	22-Feb-95	< 0.3	26	< 0.3	32	26,000
		2	13-Jun-95	< 0.5	16	< 0.7	13	46,000
		3	13-Sep-95	< 1	9.7	< 1.4	8.7	NA
		4	7-Dec-95	< 0.1	8.8	< 0.14	11	17,000
	1996	1	7-Mar-96	< 0.5	24	< 0.7	47	NA
		2	14-Jun-96	< 0.1	7	< 0.14	7.8	9,300
		3	17-Sep-96	< 0.1	6.8	< 0.14	4.3	NA
		4	12-Dec-96	212 0.1	2.3	< 0.14	< 0.5	11,000
	1997	1	7-Apr-97	212 0.2	3.5	< 0.14	1.8	NA
		2	14-Aug-97	213 0.2	1.2	< 0.14	4.2	120
		3	3-Oct-97	< 0.2	2.2	< 0.14	12.6	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.4	< 0.28	< 0.28	< 1	NA
		2	4-Jun-98	< 0.2	1.0	< 0.14	1.4	710
		3	28-Aug-98	< 0.2	1.9	< 0.14	1.2	NA
		4	20-Nov-98	< 0.2	9.3	< 0.14	3.3	660
	1999	1	21-Jan-99	< 0.2	1.1	< 0.14	2.6	NA
		2	15-Apr-99	< 0.31	0.66	< 0.34	< 0.4	9,000
		2 duplicate	15-Apr-99	< 0.31	0.43	< 0.34	< 0.4	4,400
		3	22-Jul-99	< 0.31	3.10	< 0.34	8.9	NA
		4	25-Oct-99	< 0.31	0.51	< 0.34	< 0.4	4,000
	2000	1	17-Jan-00	< 0.31	0.54	< 0.34	1.6	NA
		2	13-Apr-00	< 0.25	0.31	< 0.27	< 0.25	480
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	0.41	210
		4 duplicate	30-Oct-00	< 0.25	< 0.27	< 0.27	0.33	NA
	2001	1	27-Feb-01	< 0.25	1	< 0.27	9.7	NA
DEHP found in lab blank		2	2-Apr-01	< 0.28	0.31	< 0.26	0.41	300
		3	24-Jul-01	< 0.28	0.52	< 0.26	2.5	NA
		4	26-Oct-01	< 0.28	0.33	< 0.26	0.77	1300
	2002	1	7-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	150
		2	21-May-02	< 0.22	< 0.18	< 0.24	< 0.2	1300
		2 duplicate	22-May-02	< 0.22	< 0.18	< 0.24	< 0.2	960
Dilution factor 5.0 for bis(2-ethylhexyl)phthalate		3	13-Aug-02	< 0.22	0.54	< 0.24	0.86	970
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 8.6
	2003	1	20-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	46
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	72
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 3
		3 duplicate	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 7
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	87
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	0.6	28

TABLE 5
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-11(DR) [2][3]	1999	1	21-Jan-99	< 0.2	< 0.1	< 0.14	< 0.5	54
		1 duplicate	21-Jan-99	< 0.2	< 0.1	< 0.14	< 0.5	20
		2		NS	NS	NS	NS	NS
		3[3]	22-Jul-99	NA	NA	NA	NA	59
		3 duplicate	22-Jul-99	NA	NA	NA	NA	13
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
	2000	1	17-Jan-00	NA	NA	NA	NA	< 4.2
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
	Field ID: MW-11DD	2 duplicate	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	3.4
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	2
DEHP found in lab blank	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	0.8
DEHP found in lab blank	Field ID: MW-11DD	1 duplicate	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	0.9
DEHP found in lab blank		2	2-Apr-01	NA	NA	NA	NA	1.5
		3	24-Jul-01	NA	NA	NA	NA	< 0.4
		4	26-Oct-01	NA	NA	NA	NA	0.6
	2002	1	7-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	2.8
		2	21-May-02	< 0.22	< 0.18	< 0.24	< 0.2	26
		3	13-Aug-02	NA	NA	NA	NA	63
		4	20-Nov-02	NA	NA	NA	NA	B 0.2
	2003	1	20-Mar-03	NA	NA	NA	NA	< 1
		2	3-Jun-03	NA	NA	NA	NA	J 2
		3	20-Aug-03	NA	NA	NA	NA	< 1
		4	18-Nov-03	NA	NA	NA	NA	< 1
	2004	1	25-Feb-04	NA	NA	NA	NA	< 1

TABLE 5
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[3]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-14S	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	1.2
DEHP found in lab blank		2	21-May-02	< 0.22	< 0.18	< 0.24	< 0.2	0.7
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.3
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.5
	2003	1	19-Mar-03	< 0.2	J 0.21	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 3
		4	17-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	J 2
	2004	1	24-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 5
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-14I	1995	1	22-Feb-95	< 0.3	0.4	< 0.3	1.2	140
		2	13-Jun-95	< 0.1	< 0.14	< 0.14	< 0.5	1.6
		3	13-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	2.6
	1996	1	7-Mar-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.3
		3	17-Sep-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	2.7
	1997	1	7-Apr-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	14-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	1.6
		3	3-Oct-97	1.2	22.1	< 0.7	170	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	4-Jun-98	< 0.2	0.34	< 0.14	2	24
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	20-Nov-98	< 0.2	< 0.14	< 0.14	< 0.5	< 1.2
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	< 0.4	NA
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
	2000	1	17-Jan-00	< 0.31	< 0.38	< 0.34	< 0.4	NA
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	2.4
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	3.5
Field ID: MW-14Id		2 duplicate	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	2.2
	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	3.4
DEHP found in lab blank		2	21-May-02	< 0.22	< 0.18	< 0.24	< 0.2	1.0
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.2
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.3
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 2
		4	17-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	24-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 5
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[B]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-15S	1995	1	22-Feb-95	< 0.3	< 0.3	< 0.3	< 1	2.4
		2	13-Jun-95	< 0.1	< 0.14	< 0.14	< 0.5	< 1.1
		3	13-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	< 1.2
	1996	1	7-Mar-96	< 0.2	33	< 0.28	83	NA
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.2
		3	17-Sep-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	12-Dec-96	< 0.1	0.21	< 0.14	1.7	< 1.2
	1997	1	7-Apr-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	14-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	1.2
		3	3-Oct-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	< 0.14	1.4	< 0.5	NA
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	1.3	< 1.1
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	1-Dec-98	< 0.2	< 0.14	< 0.14	< 0.5	< 1.2
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.2
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	< 0.4	NA
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
	2000	1	17-Jan-00	< 0.31	< 0.38	< 0.34	< 0.4	NA
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	NA
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	0.8
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	< 0.4
	2002	1	7-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	1.0
DEHP found in lab blank		2	20-May-02	< 0.22	< 0.18	< 0.24	< 0.2	0.7
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.2
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.2
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	8
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9

TABLE 5
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
	PRACTICAL QUANTIFICATION LIMIT (PQL)			1	5	5	2	30
MW-15I	1995	1	22-Feb-95	< 0.3	< 0.3	< 0.3	< 1	250
		2	13-Jun-95	< 0.1	< 0.14	< 0.14	< 0.5	7.2
		3	13-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	2.8
	1996	1	7-Mar-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	1.2
		3	17-Sep-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	1.7
		4 duplicate	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	1.9
	1997	1	7-Apr-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	14-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	2.2
		3	3-Oct-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	< 0.5	1.9
		2 duplicate	4-Jun-98	< 0.2	< 0.14	< 0.14	< 0.5	3.8
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	20-Nov-98	< 0.2	< 0.14	< 0.14	0.53	11
		4 duplicate	20-Nov-98	< 0.2	0.2	< 0.14	0.8	9.8
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	4.8
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	< 0.4	NA
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	4.1
	2000	1	17-Jan-00	< 0.31	< 0.38	< 0.34	< 0.4	NA
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	2
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	2
	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	NA
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	1.2
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	0.5
	2002	1	7-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	1.0
		2	21-May-02	< 0.22	< 0.18	< 0.24	< 0.2	0.5
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	< 0.2
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.2
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2 duplicate	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	J 4
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
		1 duplicate	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 5
L.E. CARPENTER [redacted]rton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-17S[4]	1995	1	24-Feb-95	< 0.3	0.6	0.3	1.9	11
		2	13-Jun-95	0.2	< 0.14	0.18	< 0.5	< 1.1
		3		NS	NS	NS	NS	NS
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	0.63	< 1.2
	1996	1		NS	NS	NS	NS	NS
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.3
		3		NS	NS	NS	NS	NS
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	1.5
	1997	1		NA	NA	NA	NA	NA
		2	14-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	< 1.3
		3		NS	NS	NS	NS	NS
		4		NS	NS	NS	NS	NS
	1998	1		NS	NS	NS	NS	NS
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	1.2	6.1
		3		NS	NS	NS	NS	NS
		4	1-Dec-98	< 0.2	< 0.14	< 0.14	< 0.5	6
	1999	1		NS	NS	NS	NS	NS
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
		3		NS	NS	NS	NS	NS
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	40
	2000	1		NS	NS	NS	NS	NS
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		3		NS	NS	NS	NS	NS
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
DEHP found in lab blank	2001	2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	1.8
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	9.6
	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	1.0
Sample designation DUP01		1 duplicate	6-Mar-01	< 0.28	< 0.26	< 0.26	< 0.25	1.6
DEHP found in lab blank		2	20-May-02	< 0.22	< 0.18	< 0.24	< 0.2	0.6
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.2
		4	21-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.2
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 5
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-21 [1]	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	< 4.2
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.2
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.3
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.1
	2000	1	17-Jan-00	< 0.31	< 0.38	< 0.34	< 0.4	6
		1 duplicate	17-Jan-00	NA	NA	NA	NA	< 4.2
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.24	< 2.1
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
DEHP found in lab blank	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	2.7
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	0.9
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	0.9
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	0.6
	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	1.3
DEHP found in lab blank		2	22-May-02	< 0.22	< 0.18	< 0.24	< 0.2	1
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.3
Sample designation DUPE-003		3 duplicate	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.4
		4	19-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.3
	2003	1	18-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
			20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 2
		4	17-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	24-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 5
L.E. CARPENTER & Company, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-22(R)	1995	1	21-Feb-95	< 0.3	57	< 0.3	260	6,500
		2	13-Jun-95	< 2.5	311	< 3.5	955	380
		3	13-Sep-95	< 2.5	171	< 3.5	693	NA
		4	7-Dec-95	< 2	123	< 2.8	494	320
	1996	1		NS	NS	NS	NS	NS
		2	8-Jul-96	< 2	258	< 2.8	941	70
		3	17-Sep-96	< 2.5	359	< 3.5	1,320	NA
		4	12-Dec-96	< 5	320	< 7	1,330	< 1.2
	1997	1		NS	NS	NS	NS	NS
		2	14-Aug-97	< 200	5,730	< 140	32,000	7,500
		3	3-Oct-97	< 400	11,400	< 280	66,000	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 200	4,070	348	20,800	NA
		2	4-Jun-98	< 40	2,280	< 28	11,400	5,800
		3	28-Aug-98	< 50	1880	< 35	10300	NA
		3 duplicate	28-Aug-98	< 50	2,510	< 35	11,000	NA
		4	20-Nov-98	< 40	1,650	< 28	7,230	1,100
	1999	1	21-Jan-99	< 0.4	18	< 0.28	84	NA
		2	15-Apr-99	< 31	1,600	< 34	7,600	670
		3	22-Jul-99	< 31	1,200	42	5,200	NA
		4	25-Oct-99	< 10	810	< 17	3,000	1200
		4 duplicate	25-Oct-99	< 31	840	< 34	3,400	1800
	2000	1	17-Jan-00	< 7.5	360	< 8.5	1,400	NA
Dilution Factor 50		2	13-Apr-00	< 12	820	< 14	3,600	92
Dilution Factor 200		3	31-Jul-00	< 50	1,000	< 54	4,800	NA
Dilution Factor 50 and 250 for DEHP and BTEX respectively		4	30-Oct-00	< 62	1,200	< 68	6,200	5,100
Dilution Factor 200	2001	1	27-Feb-01	< 50	1,900	< 54	9,000	NA
Dilution Factor 20 and 100 for DEHP and BTEX respectively. DEHP found in b blank		2	2-Apr-01	< 26	910	< 26	4,100	2,400
Dilution factor 100 for BTEX, 50 for DEHP. DEHP detected in field blank		3	24-Jul-01	< 26	1,100	< 26	5,900	8,200
Dilution Factor 100		4	26-Oct-01	< 26	980	< 26	4,700	15,000
Dilution Factor 100		4 duplicate	26-Oct-01	< 26	1,000	< 26	4,900	NA
Dilution factors - 10 for BTEX, 2 for DEHP	2002	1	6-Mar-02	< 2.6	140	< 2.6	420	18
Dilution factors - 50 for BTEX, 1 for DEHP		2	22-May-02	< 11	320	< 12	1,400	21
Dilution factors - 50 for BTEX, 1 for DEHP		3	13-Aug-02	< 11	180	< 12	1,400	13
Dilution factor - 25 for BTEX		4	20-Nov-02	< 5.5	310	< 6	1,000	B 6.3
Dilution factor - 5 for total xylenes and ethylbenzene	2003	1	18-Mar-03	< 1	540	< 0.2	2,000	54.0
Dilution factors - 5 for BTEX, 8 for DEHP		2	3-Jun-03	< 1	690	< 1	2,000	170.0
		3	20-Aug-03	< 1	210	< 1	1,200	280.0
Dilution factor - 5 for total xylenes, 25 for DEHP		4	17-Nov-03	J 0.2	190	< 0.2	940	2,200.0
Dupe-01		4 duplicate	17-Nov-03	J 0.2	180	< 0.2	920	910.0
	2004	1	25-Feb-04	< 1	330	< 1	1,600	3,600.0

TABLE 5
L.E. CARPENTER [illegible]arton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
MW-25(R)	1995	1		NS	NS	NS	NS	NS
		2	14-Jun-95	< 0.2	< 0.2	< 0.2	< 1	1.6
		3	13-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	68
	1996	1		NS	NS	NS	NS	NS
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.2
		3	17-Sep-96	< 0.1	0.34	< 0.14	2.2	NA
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.3
	1997	1	7-Apr-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	14-Aug-97	< 0.2	13.5	< 0.14	89	69
		3	3-Oct-97	< 0.2	4.1	< 0.14	30.7	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	0.33	< 0.14	1.8	NA
		1 duplicate	12-Mar-98	< 0.2	0.39	< 0.14	0.94	NA
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	< 0.5	5.3
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	20-Nov-98	< 0.2	< 0.14	< 0.14	< 0.5	1.9
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	< 4.3
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	14	< 4.1
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	1.4	9.6
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.2
	2000	1	1-Mar-00	< 0.31	< 0.38	< 0.34	< 0.4	< 3.5
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
Field ID: MW-25RD		3 duplicate	31-Jul-00	NA	NA	NA	NA	< 2
		4	30-Oct-00	< 0.25	0.33	< 0.27	1.1	3.4
DEHP found in lab blank	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	1.9
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	1.4
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	0.5
Field ID: MW-25D		3 duplicate	24-Jul-01	NA	NA	NA	NA	1.2
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	0.7
	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	0.5
DEHP found in lab blank		2	22-May-02	< 0.22	< 0.18	< 0.24	< 0.2	1.1
		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.2
		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	< 0.3
Dupe-01		4 duplicate	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.2
	2003	1	18-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 7
		4	17-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	J 1
	2004	1	24-Feb-04	< 0.2	< 0.2	J 0.2	< 0.6	J 2

TABLE 5
L.E. CARPENTER, Wharton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
Trip Blank	1995	1	27-Feb-95	< 0.3	< 0.3	< 0.3	< 1	NA
		2	12-Jun-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		3	12-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
	1996	1	6-Mar-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		2	12-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		3	16-Sep-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
	1997	1	7-Apr-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	13-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		3	3-Oct-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	< 0.5	ND
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	20-Nov-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	NA
		3	22-Jul-99	NA	NA	NA	NA	< 4.2
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	NA
	2000	1	17-Jan-00	NA	NA	NA	NA	< 4.1
		1	1-Mar-00	NA	NA	NA	NA	< 3.8
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
		3	31-Jul-00	NA	NA	NA	NA	< 2
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	NA
DEHP found in lab blank	2001	1	27-Feb-01	NA	NA	NA	NA	0.6
		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
Performed for Lab No. N057 (MW22R DEHP sample). STL forgot to sam DEHP at this well on first round		3	24-Jul-01	NA	NA	NA	NA	< 0.4
		3	24-Jul-01	NA	NA	NA	NA	< 0.4
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	NA
	2002	1	5-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	NA
		2	20-May-02	< 0.22	< 0.18	< 0.24	< 0.2	NA
		3	12-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	180
TB-01		4	19-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.2
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	4-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	NA
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	26-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 5
L.E. CARPENTER [illegible]rton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS(5)				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
Rinsate Sample	2002	1		ND	ND	0.7	ND	2.5
DEHP found in lab blank		2	22-May-02	< 0.22	< 0.18	< 0.24	< 0.2	3.4
Rinsate -001		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	4.5
Rinsate-01		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.3
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	J 2
		4	18-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 5
L.E. CARPENTER [illegible]rton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS[5]				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30
Field Blank	1995	1	27-Feb-95	< 0.3	< 0.3	< 0.3	< 1	< 1.1
		2	13-Jun-95	< 0.1	< 0.14	< 0.14	< 0.5	1.3
		3	13-Sep-95	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	7-Dec-95	< 0.1	< 0.14	< 0.14	< 0.5	< 1.2
	1996	1	7-Mar-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		2	14-Jun-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.4
		3	17-Sep-96	< 0.1	< 0.14	< 0.14	< 0.5	NA
		4	12-Dec-96	< 0.1	< 0.14	< 0.14	< 0.5	< 1.2
	1997	1	7-Apr-97	< 0.2	< 0.14	0.2	< 0.5	NA
		2	14-Aug-97	< 0.2	< 0.14	< 0.14	< 0.5	< 1.1
		3	3-Oct-97	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4		NS	NS	NS	NS	NS
	1998	1	12-Mar-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		2	4-Jun-98	< 0.2	< 0.14	< 0.14	< 0.5	< 1.1
		3	28-Aug-98	< 0.2	< 0.14	< 0.14	< 0.5	NA
		4	20-Nov-98	< 0.2	< 0.14	< 0.14	< 0.5	1.3
	1999	1	21-Jan-99	< 0.2	< 0.14	< 0.14	< 0.5	< 4.4
		2	15-Apr-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.4
		3	22-Jul-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.3
		4	25-Oct-99	< 0.31	< 0.38	< 0.34	< 0.4	< 4.6
	2000	1	17-Jan-00	< 0.31	< 0.38	< 0.34	< 0.4	< 4.2
		1	1-Mar-00	< 0.31	< 0.38	< 0.34	< 0.4	< 4.2
		1	16-Mar-00	NA	NA	NA	NA	3.2
		2	13-Apr-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		3	31-Jul-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
		4	30-Oct-00	< 0.25	< 0.27	< 0.27	< 0.25	< 2
DEHP found in lab blank	2001	1	27-Feb-01	< 0.25	< 0.27	< 0.27	< 0.25	1.3
DEHP found in lab blank		2	2-Apr-01	< 0.28	< 0.26	< 0.26	< 0.25	2
Performed for Lab No. N067 (MW22R DEHP sample). STL forgot to sam DEHP at this well on first round		3		NA	NA	NA	NA	1.2
		3	24-Jul-01	< 0.28	< 0.26	< 0.26	< 0.25	< 0.5
		4	26-Oct-01	< 0.28	< 0.26	< 0.26	< 0.25	< 0.4
	2002	1	6-Mar-02	< 0.28	< 0.26	< 0.26	< 0.25	16
		2	22-May-02	< 0.22	< 0.18	< 0.24	< 0.2	130
FB-001		3	13-Aug-02	< 0.22	< 0.18	< 0.24	< 0.2	0.5
FB-01		4	20-Nov-02	< 0.22	< 0.18	< 0.24	< 0.2	B 0.4
	2003	1	19-Mar-03	< 0.2	< 0.2	< 0.2	< 0.6	< 0.1
		2	3-Jun-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		3	20-Aug-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
		4	17-Nov-03	< 0.2	< 0.2	< 0.2	< 0.6	< 1
	2004	1	25-Feb-04	< 0.2	< 0.2	< 0.2	< 0.6	< 1

TABLE 5
L.E. CARPENTER [illegible]arton, New Jersey
Quarterly Groundwater Monitoring Data

MONITORING WELLS	SAMPLING DATE			CHEMICAL ANALYSIS RESULTS(5)				
	YEAR	QUARTER	SAMPLING DATE	Benzene	Ethylbenzene	Toluene	Total Xylenes	DEHP
				ug/l	ug/l	ug/l	ug/l	ug/l
	NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS)			1	700	1,000	1	30
		PRACTICAL QUANTIFICATION LIMIT (PQL)		1	5	5	2	30

GENERAL NOTES PAGE

LEGEND
ug/L: micrograms per liter
NJGWQS: New Jersey Groundwater Quality Standards
NS: Not Sampled
NA: Not Analyzed
duplicate: Duplicate sample
B: Analyte found in laboratory blank as well as sample.
DEHP: bis-2-Ethylhexylphthalate

SAMPLING NOTES
(1) MW-21 Quarterly sampling required for both DEHP and BTEX as of NJDEP letter dated Nov 23, 1998
(2) MW-11(IR) & MW-11(DR) sampled for both DEHP and BTEX per NJDEP letter dated Nov 23, 1998 (one time sample round- baseline concentration)
(3) MW-11D required to be sampled quarterly per NJDEP letter dated August 17, 1899. Third quarter 1999 sampling was performed prior to receiving the NJDEP letter. Subsequently, the well was only sampled for DEHP. Starting 4th quarter 1999, MW-11D will be sampled for both DEHP and BTEX. Based on NJDEP letter dated April 5, 2001, this well will be sampled for DEHP only (starting 2nd qtr 2001).
(4) Well initially sampled Biannually - 2nd and 4th Quarter as of the beginning of 1998. 1st quarter 2002, well sampled quarterly for both DEHP and BTEX.
(5) Low flow sampling initiated 1st quarter 2002.

16,000 Above the NJDEP NJGWQS

Table 6

L.E. Carpenter and Company, Wharton, New Jersey

Quarterly Groundwater Elevations February 23, 2004

WELL LOCATION	WELL TYPE	ELEVATIONS (FT. MSL)			QUARTERLY MEASUREMENT INFORMATION (6)								
		GROUND	OUTER CASING	INNER WELL	MEAS. DATE	PRODUCT DEPTH	WATER DEPTH	PRODUCT ELEVATION	WATER ELEVATION	PRODUCT THICKNESS (ft)	CORRECTED WATER ELEVATIONS (2)	MAX. WATER ELEVATIONS	MIN. WATER ELEVATIONS
CW-1	Caisson Well	630.23	633.75		23-Feb-04	-	7.02	-	623.21	-	-	627.60	621.01
CW-3	Caisson Well	628.03	632.70		23-Feb-04	-	6.89	-	621.14	-	-	626.92	619.22
GEI-1I	Piezometer	627.84	630.33	630.18	23-Feb-04	-	4.09	-	626.09	-	-	627.58	623.04
GEI-2I	Piezometer	635.32	637.75	637.60	23-Feb-04	-	10.37	-	627.23	-	-	630.22	624.14
GEI-2S	Piezometer	634.86	637.27	637.07	23-Feb-04	-	10.14	-	626.93	-	-	629.26	623.65
GEI-3I	Piezometer	636.96	639.39	639.25	23-Feb-04	-	12.64	-	626.61	-	-	630.17	623.53
MW-1(R)	Monitoring Well	635.19	635.18	634.87	23-Feb-04	9.14	9.71	625.73	625.16	0.57	625.69	628.99	623.68
MW-2(R)	Monitoring Well	628.46	631.68	631.54	23-Feb-04	-	6.16	-	625.38	-	-	627.05	623.46
MW-3	Monitoring Well	628.04	631.67	631.96	23-Feb-04	7.46	7.73	624.50	624.23	0.27	624.48	627.28	622.69
MW-4 (3)	Monitoring Well	628.26	631.71	631.90	23-Feb-04	-	6.14	-	625.76	-	-	628.05	622.71
MW-6(R)	Monitoring Well	629.22	632.04	631.82	23-Feb-04	-	5.22	-	626.60	-	-	627.89	623.94
MW-8 (5)	Monitoring Well	627.39	629.96	628.19	23-Feb-04	-	4.58	-	623.61	-	-	628.52	622.23
MW-9 (5)	Monitoring Well	628.61	631.09	629.58	23-Feb-04	-	3.67	-	625.91	-	-	627.94	623.30
MW-11S	Monitoring Well	630.63	632.66	632.36	23-Feb-04	6.86	12.72	625.50	619.64	5.86	625.13	629.37	622.18
MW-11I(R)	Monitoring Well	630.29	633.07	632.73	23-Feb-04	-	7.10	-	625.63	-	-	632.25	621.87
MW-11D(R) (3)	Monitoring Well	630.06	632.75	632.49	23-Feb-04	-	4.66	-	627.83	-	-	631.59	624.72
MW-12S(R)	Monitoring Well	631.57	634.26	633.73	23-Feb-04	-	7.61	-	626.12	-	-	628.16	623.71
MW-13S	Monitoring Well	627.74	630.80	630.63	23-Feb-04	-	4.83	-	625.80	-	-	627.85	622.58
MW-13S(R)	Monitoring Well	627.66	630.36	629.99	23-Feb-04	-	4.64	-	625.35	-	-	626.72	622.73
MW-13I	Monitoring Well	627.76	630.28	630.06	23-Feb-04	-	4.61	-	625.45	-	-	627.86	622.50
MW-14S	Monitoring Well	625.18	628.03	627.81	23-Feb-04	-	2.87	-	624.94	-	-	626.27	622.24
MW-14I (3)	Monitoring Well	625.33	627.72	627.63	23-Feb-04	-	2.30	-	625.33	-	-	627.23	622.38
MW-15S (5)	Monitoring Well	634.23	636.43	636.17	23-Feb-04	-	10.17	-	626.00	-	-	628.45	622.89
MW-15I (5)	Monitoring Well	634.14	636.28	636.06	23-Feb-04	-	10.12	-	625.94	-	-	628.43	622.89
MW-16S	Monitoring Well	631.97	634.09	633.87	23-Feb-04	-	7.36	-	626.51	-	-	629.62	623.28
MW-16I	Monitoring Well	631.83	634.48	634.36	23-Feb-04	-	7.92	-	626.44	-	-	629.29	623.36
MW-17S (3)	Monitoring Well	632.35	634.32	634.19	23-Feb-04	-	8.14	-	626.05	-	-	629.53	622.97
MW-18S	Monitoring Well	627.62	630.88	630.66	23-Feb-04	-	4.77	-	625.89	-	-	626.78	622.98
MW-18I	Monitoring Well	627.75	630.59	630.44	23-Feb-04	-	4.38	-	626.06	-	-	627.48	619.21
MW-19(9)	Monitoring Well	636.22	636.23	635.90	23-Feb-04	-	8.85	-	627.05	-	-	629.35	623.74
MW-19-1(9)	Monitoring Well	635.93	635.96	635.64	23-Feb-04	-	under ice	-	NA	-	-	628.64	624.56
MW-19-2(9)	Monitoring Well	636.46	636.50	636.30	23-Feb-04	-	9.29	-	627.01	-	-	628.33	624.55
MW-19-3(9)	Monitoring Well	636.97	637.06	636.70	23-Feb-04	-	9.59	-	627.11	-	-	628.52	624.67
MW-19-4(9)	Monitoring Well	635.69	635.76	635.43	23-Feb-04	-	8.28	-	627.15	-	-	629.26	623.60
MW-19-5(9)	Monitoring Well	635.93	635.93	635.56	23-Feb-04	-	8.62	-	626.94	-	-	628.13	624.45
MW-19-6(4)(9)	Monitoring Well	636.17	636.16	635.82	23-Feb-04	-	8.86	-	626.96	-	-	628.18	624.96
MW-19-7(4)(9)	Monitoring Well	635.31	635.36	635.00	23-Feb-04	-	8.14	-	626.86	-	-	627.98	624.87
MW-19-8(4)(9)	Monitoring Well	635.82	635.82	635.36	23-Feb-04	-	8.51	-	626.85	-	-	627.98	624.88
MW-19-9D(4)(9)	Monitoring Well	636.39	636.41	636.10	23-Feb-04	-	8.69	-	627.41	-	-	628.51	624.80
MW-20	Monitoring Well	634.22	636.43	636.17	23-Feb-04	-	8.70	-	627.47	-	-	630.45	623.55
MW-21 (3)	Monitoring Well	624.57	628.49	628.20	23-Feb-04	-	3.07	-	625.13	-	-	626.70	622.00
MW-22(R) (3)	Monitoring Well	625.34	627.71	627.53	23-Feb-04	-	2.85	-	624.68	-	-	627.60	622.29
MW-23	Monitoring Well	628.10	630.35	630.04	23-Feb-04	-	2.71	-	627.33	-	-	628.44	624.64
MW-25(R) (3)	Monitoring Well	624.65	626.77	626.62	23-Feb-04	-	2.22	-	624.40	-	-	626.83	622.21
MW-26	Monitoring Well	630.24	633.79	632.66	23-Feb-04	-	7.07	-	625.59	-	-	626.94	622.15
RW-1	Recovery Well	634.59	637.21	636.78	23-Feb-04	-	10.86	-	625.92	-	-	628.82	622.77
RW-2	Recovery Well	629.20	631.18	631.08	23-Feb-04	-	5.71	-	625.37	-	-	627.61	622.51
RW-3	Recovery Well	629.29	631.55	631.39	23-Feb-04	-	4.96	-	626.43	-	-	627.14	622.64
SG-D1 (1)	Drainage Channel Staff Gauge	625.81	-	-	23-Feb-04	-	1.40	-	623.88	-	-	625.61	623.08
SG-D2 (1)	Drainage Channel Staff Gauge	626.26	-	-	23-Feb-04	-	1.16	-	624.09	-	-	626.86	623.53
SG-D3 (1)	Drainage Channel Staff Gauge	625.83	-	-	23-Feb-04	-	1.64	-	624.14	-	-	624.88	623.40
SG-R1 (1)	Rockaway River Staff Gauge	640.92	-	-	23-Feb-04	-	1.98	-	639.57	-	-	653.28	639.50
SG-R2 (1)	Rockaway River Staff Gauge	628.24	-	-	23-Feb-04	-	broken		NA	-	-	628.23	625.91
SG-R3 (1)	Rockaway River Staff Gauge	626.78	-	-	23-Feb-04	-	0.63		624.08	-	-	625.63	624.05
WP-A1	Area A Well Point	635.69	635.72	635.21	23-Feb-04	9.20	10.39	626.01	624.82	1.19	625.93	628.55	623.66
WP-A2	Area A Well Point	636.71	639.02	638.59	23-Feb-04	NA	bent	NA	NA	NA	NA	628.78	624.03
WP-A3	Area A Well Point	635.37	635.37	634.96	23-Feb-04	-	under ice	-	NA	-	-	629.59	623.01
WP-A4	Area A Well Point	635.03	635.06	634.50	23-Feb-04	8.90	11.28	625.60	623.22	2.38	625.45	628.31	621.84
WP-A5	Area A Well Point	635.10		637.25	23-Feb-04	-	10.80		626.45	-	-	629.14	622.88
WP-A6	Area A Well Point	634.35		636.68	23-Feb-04	10.83	12.99	625.85	623.69	2.16	625.71	636.65	622.88
WP-A7	Area A Well Point	632.34		634.28	23-Feb-04	8.51	9.69	625.77	624.59	1.18	625.69	628.47	622.79
WP-A8	Area A Well Point	634.10		636.96	23-Feb-04	11.23	12.93	625.73	624.03	1.70	625.62	628.24	622.73
WP-A9	Area A Well Point	636.62		638.72	23-Feb-04	12.63	14.31	626.09	624.41	1.68	625.98	629.06	622.85
WP-B1	Area B Well Point	631.25		633.05	23-Feb-04	-	4.63	-	628.42	-	-	629.70	623.37
WP-B2	Area B Well Point	629.88	631.98	631.65	23-Feb-04	-	5.62	-	626.03	-	-	627.97	622.72
WP-B3	Area B Well Point	631.11		632.73	23-Feb-04	-	6.15	-	626.58	-	-	628.92	622.80
WP-B4	Area B Well Point	629.33		631.96	23-Feb-04	6.45	8.24	625.51	623.72	1.79	625.40	627.62	622.78
WP-B5	Area B Well Point	629.43		631.51	23-Feb-04	-	4.75	-	626.76	-	-	627.77	623.83
WP-B6	Area B Well Point	629.12		631.26	23-Feb-04	-	5.34	-	625.92	-	-	627.56	622.86
WP-B7	Area B Well Point	627.02		628.89	23-Feb-04	-	4.00	-	624.89	-	-	626.82	622.81
WP-B10	Area B Well Point	629.82	632.52	632.14	23-Feb-04	-	6.50	-	625.64	-	-	627.70	622.66
WP-C1	Area C Well Point	632.21		632.91	23-Feb-04	-	6.99	-	625.92	-	-	628.18	622.64
WP-C2	Area C Well Point	632.42		633.86	23-Feb-04	-	7.79	-	626.07	-	-	630.02	622.94
WP-C3	Area C Well Point	630.40		632.04	23-Feb-04	-	6.02	-	626.02	-	-	628.18	622.60
WP-C4	Area C Well Point	631.84		632.67	23-Feb-04	-	6.85	-	625.82	-	-	633.27	623.70

FOOTNOTES

(1) Elevation measured at the top of a 3.33 ft. Staff gauge. Reference elevation (ground) shot at the top of the staff gauge. Water depth based on a visual observation of the water level on the Staff gauge.
(2) Corrected water level elevations utilize an average specific gravity of 0.9363 (RMT, Inc. product sampling in October 1999 @ MW-1(R); EFR-11 & WP-A8)
(3) Wells included in the quarterly sampling program. Depth to water recorded before purging
(4) Wells installed during new RI efforts per NJDEP and EPA request to further delineate MW19/Hot Spot 1 Area
(5) No boring log or well construction diagram available. Well specific information determined from Weston Geologic Cross Section
(6) "-" in the Quarterly Measurement Information section of this database indicates that the presence of free product was NOT detected at any measurable thickness and therefore did not generate a product elevation, product thickness nor require water level elevation to be corrected
(7) "-" in the Well Installation and Construction Information section indicates that well construction logs were not available for review
(8) Horizontal Datum: New Jersey State Plane Coordinate System NAD 83. Vertical Datum: NGVD 29
(9) All "19 series" wells were resurveyed August 8, 2001 at owners request. Wells MW19 through MW19-5 were converted to flush mount wells to allow for through traffic. Professional survey performed by James M. Stewart, Inc., Philadelphia, PA

TABLE 7
L.E. CARPENTER - Wharton, New Jersey
Surface Water Monitoring Data

	ROCKAWAY RIVER			INFILTRATION GALLERY																	
	SW-1	SW-2	SW-3	SW-4	SW-5									SW-6	DRAINAGE DITCH SW-7						
SAMPLING DATE	03/14/89 (1)	03/14/89 (1)	03/14/89 (1)	03/14/89 (1)(6)	08/02/89 (1)	5/29/98 (5)	06/06/02	11/21/02	03/20/03	06/02/03	08/20/03	11/18/03	02/24/04	03/14/89 (1)	08/27/90	5/29/98 (5)	06/06/02	11/21/02	03/20/03	06/02/03
VOLATILE ORGANIC COMPOUNDS (ug/l) (4)																					
Methylene Chloride	J 1	ND	ND	ND	JP 3.8	ND	NA	NA	NA	NA	NA	NA	NA	J 3.8	(2) ND	ND	NA	NA	NA	NA
1,1,1-Trichloroethane	ND	ND	ND	ND	J 3.7	0.4	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.5	NA	NA	NA	NA
Ethylbenzene	ND	ND	ND	ND	J 3.5	ND	NA	< 0.18	< 0.2	< 0.2	< 0.2	< 0.2	J 0.3	ND	ND	ND	ND	< 0.18	< 0.2	< 0.2
Chlorobenzene	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	J 1.2	ND	ND	NA	NA	NA	NA
Acetone	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA
Total Xylenes	ND	ND	ND	ND	44	ND	ND	< 0.2	< 0.6	< 0.6	< 0.6	< 0.6	J 1.9	ND	ND	ND	ND	< 0.2	< 0.6	< 0.6
Toluene	ND	ND	ND	ND	ND	ND	1	< 0.24	< 0.2	< 0.2	J 0.4	< 0.2	< 0.2	ND	ND	ND	ND	< 0.24	< 0.2	< 0.2
1,1,2-Trichloro-2,2,1-Triflouroethane	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA
Benzene		212					ND	< 0.22	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2				ND	< 0.22	< 0.2	< 0.2
		212																		
BASE NEUTRAL COMPOUNDS (ug/l) (4)		213																		
Di-n-butyl phthalate (3)	JP 3.2	JP 3.7	JP 3.6	JP 3.5	ND	ND	NA	NA	NA	NA	NA	NA	NA	JP 4	NA	ND	NA	NA	NA	NA
bis(2-Ethylhexyl) phthalate	ND	ND	ND	J 7.2	ND	ND	ND	B 0.3	< 1	< 1	J 3	< 1	J 2	ND	J(2) 7	ND	ND	B 0.4	< 1	< 1
METALS (ug/l) (4)																				
Antimony	ND	ND	ND	J 22.8	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
Arsenic	ND	ND	J 2.4	ND	10	NA	NA	NA	NA	NA	NA	NA	NA	15.9	NA	NA	NA	NA	NA	NA
Cadmium	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	J 22.2	NA	NA	NA	NA	NA	NA
Chromium	ND	ND	J 8	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	231	NA	NA	NA	NA	NA	NA
Copper	J 16.7	J 5.3	J 22.1	J 6.7	ND	NA	NA	NA	NA	NA	NA	NA	NA	405	NA	NA	NA	NA	NA	NA
Lead	20.7	ND	87.2	J 2.7	6	NA	NA	NA	NA	NA	NA	NA	NA	1340	NA	NA	NA	NA	NA	NA
Mercury	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	2.8	NA	NA	NA	NA	NA	NA
Nickel	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	J 60.8	NA	NA	NA	NA	NA	NA
Selenium	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	7.1	NA	NA	NA	NA	NA	NA
Zinc	96.4	J 4.2	152	23	60	NA	NA	NA	NA	NA	NA	NA	NA	2370	NA	NA	NA	NA	NA	NA
POLYCHLORINATED BIPHENYLS (PCBs) (ug/l) (6)																				
Arochlor-1016	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1221	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1232	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1242	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1248	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1254	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1260	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LEGEND

ug/L = micrograms per liter
SW = Surface water sample (Roy F. Weston nomenclature)
ND: No Detection
NA: Not Analysed
Concentration data in BOLD above detection level
B: Compound detected in lab blank.

LABORATORY QUALIFIERS

J: Detected below reporting limit or is an estimated concentration
P: Compound detected in laboratory method blank
B: Analyte found in laboratory blank as well as sample

NOTES

(1) NJDEP Tier 1 sample holding time was exceeded
(2) Compound detected in method blank. Sample concentration < 3x conc. in method blank
Per Tier 1 guidelines the result is negated
(3) All concentrations later negated by NJDEP
(4) Only those parameters listed showed concentrations above ND.
All other parameters were either ND or NA.
(5) Sampling performed by RMT per NJDEP request letter dated Jan 28, 1998
VOCs and Base Neutrals ONLY (EPA 624 and 625 respectively)
(6) The PCB sample (SW-4) was collected May 9, 1989

Sediment Sampling Information

1989 GeoEngineering/Roy F. Weston sampling November 1989: VO+15 (EPA 624), BN+15 (EPA 625); PP Metals (EPA 200 series), PCBs (SW-4 only) (EPA 608)
PP Metals (EPA 200 series), PCBs (SW/SS-4 only) (for SW sample EPA 608, for SS EPA 8080)
SW-1: Background sample location in Washington Forge Pond
SW-2: Assess impact on Rockaway River. Located immediately adjacent to Bldg. 12
SW-3: Assess impact on Rockaway River. Located dowNAtream of former impoundment area
SW-4: Located in former infiltration gallery between former impoundment area and tank farm
SW-5: Located in the drainage ditch between LEC and Air Products
SW-6: Located in a drainage feature in NE corner, up by former Starch drying beds. Potential floor drain and non-contact cooling water impacts

1990 Roy F. Weston Supplemental RI (November 1990)
SW-7: Former outfall from northeast corner starch drying beds. (VOC+10, BN+10, PCB)
SW-8: Bend in drainage ditch. Assess downgradient quality of drainAge ditch (VOC+10)
SW-9: Junction of ditch and Rockaway River. Assess impact of ditch on river quality. (VOC+10, BN+10, PCB)
SW-10: Rockaway River south of MW-4. Assess impact of site on contaminants of Rockaway River. (VOC+10; TAL Metals)

2002 Sampling performed by RMT pre the NJDEP letter dated May 31, 2002 [NJDEP/EPA review of Quarterly Monitoring Report - 1st Quarter 2002
During 3Q02 sampling event only SW-8 location sampled due drought conditions.

TABLE 7
L.E. CARPENTER - Wharton, New Jersey
Surface Water Monitoring Data

				SW-8										ROCKAWAY RIVER SW-9	ROCKAWAY RIVER SW-10
SAMPLING DATE	08/20/03	11/18/03	02/24/04	08/27/90	5/29/98 [5]	06/06/02	08/14/02	11/21/02	03/20/03	06/02/03	08/20/03	11/18/03	02/24/04	08/28/90	08/28/90
VOLATILE ORGANIC COMPOUNDS (ug/l) [4]															
Methylene Chloride	NA	NA	NA	[2] ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	[2] ND	[2] ND
1,1,1-Trichloroethane	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
Ethylbenzene	< 0.2	< 0.2	< 0.2	ND	ND	ND	< 0.18	< 0.18	J 0.91	J 0.2	< 0.2	< 0.2	J 0.8	ND	ND
Chlorobenzene	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
Acetone	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
Total Xylenes	< 0.6	< 0.6	< 0.6	ND	ND	ND	0.43	0.32	J 2.7	J 1.2	< 0.6	J 1.2	6.8	ND	ND
Toluene	< 0.2	< 0.2	< 0.2	ND	ND	1	0.54	< 0.24	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	ND	ND
1,1,2-Trichloro-2,2,1-Triflouroethane	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
Benzene	< 0.2	< 0.2	< 0.2			ND	< 0.22	< 0.22	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2		
BASE NEUTRAL COMPOUNDS (ug/l) [4]															
Di-n-butyl phthalate [3]	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl) phthalate	J 1	J 3	< 1	NA	ND	0.6	1.3	B 0.4	< 1	< 1	J 4	< 1	< 1	J[2] 6	NA
METALS (ug/l) [4]															
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	J 3.9
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	J 4.6
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	J 5.4
POLYCHLORINATED BIPHENYLS (PCBs) (ug/l) [6]															
Arochlor-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arochlor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LEGEND

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Concentration data in BOLD above detection level
B: Compound detected in lab blank.

LABORATORY QUALIFIERS

J: Detected below reporting limit or is an estimated concentration
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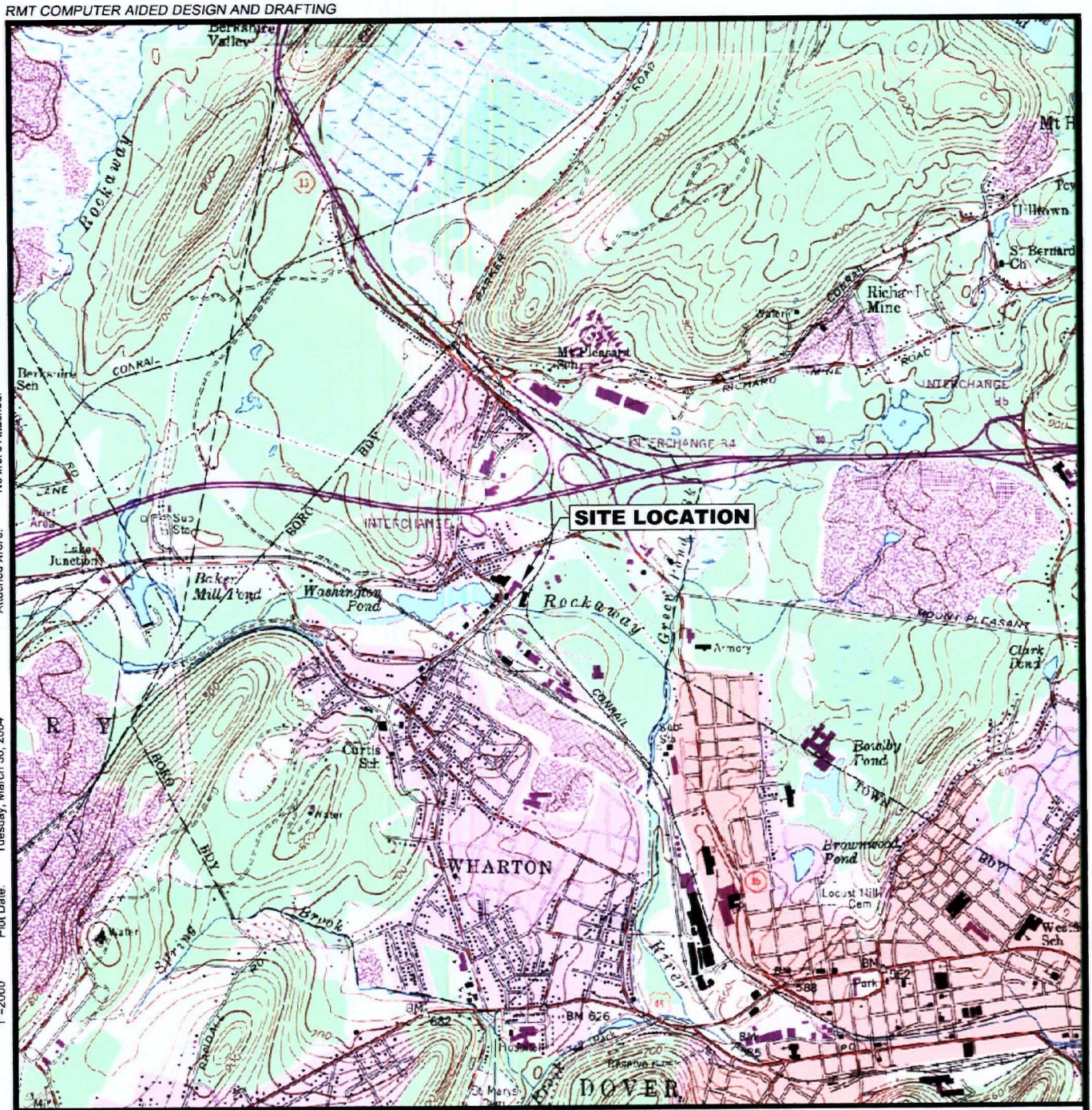
Figures

RMT COMPUTER AIDED DESIGN AND DRAFTING



NEW JERSEY

QUADRANGLE LOCATION

N

0 2000' 4000'

APPROXIMATE SCALE IN FEET

SOURCE

BASE MAP DEVELOPED FROM THE DOVER, NEW JERSEY 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP, DATED 1954, PHOTOREVISED 1981.

RMT INC.

LE CARPENTER
WHARTON, NEW JERSEY

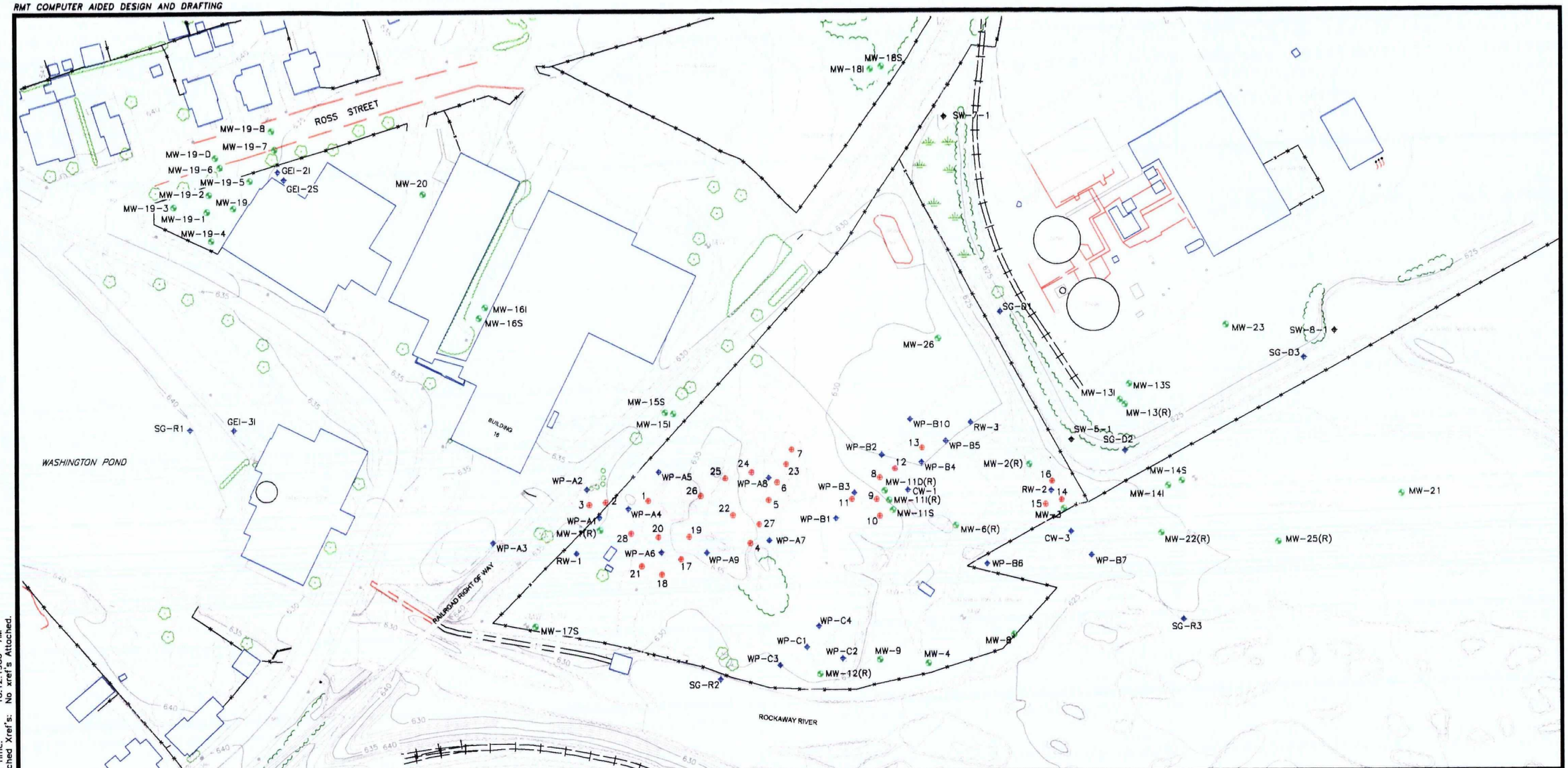
SITE LOCATION MAP
1st QUARTER 2004

DRAWN BY:	SJL
APPROVED BY:	JO
PROJECT NUMBER:	6527.02
FILE NUMBER:	65270221.DWG
DATE:	APRIL 2004

FIGURE 1

PLOT DATA
Drawing Name: J:\06527\02\65270221.dwg
Operator Name: Scale: lucidos 1"=2000'
Dwg Size: Plot Date: 97262 Bytes Tuesday, March 30, 2004
Plot Time: Attached Xref's: 10:12:27:57 AM No xref's Attached.

RMT COMPUTER AIDED DESIGN AND DRAFTING



LEGEND

	PROPERTY LINE	WP-B7	WELL POINTS
	FENCE	SG-R1	RIVER POINT
MW-21	MONITORING WELL	SG-D1	DRAINAGE CHANNEL POINT
	ABANDONED WELL	GEI-2I	PIEZOMETERS
13	ENHANCED FLUID RECOVERY WELL	SW-7-1	SURFACE WATER SAMPLE
RW-2	RECOVERY WELL		
CW-3	CAISSON WELLS		

N

0 100' 200'

SCALE IN FEET

LE. CARPENTER
WHARTON, NEW JERSEY

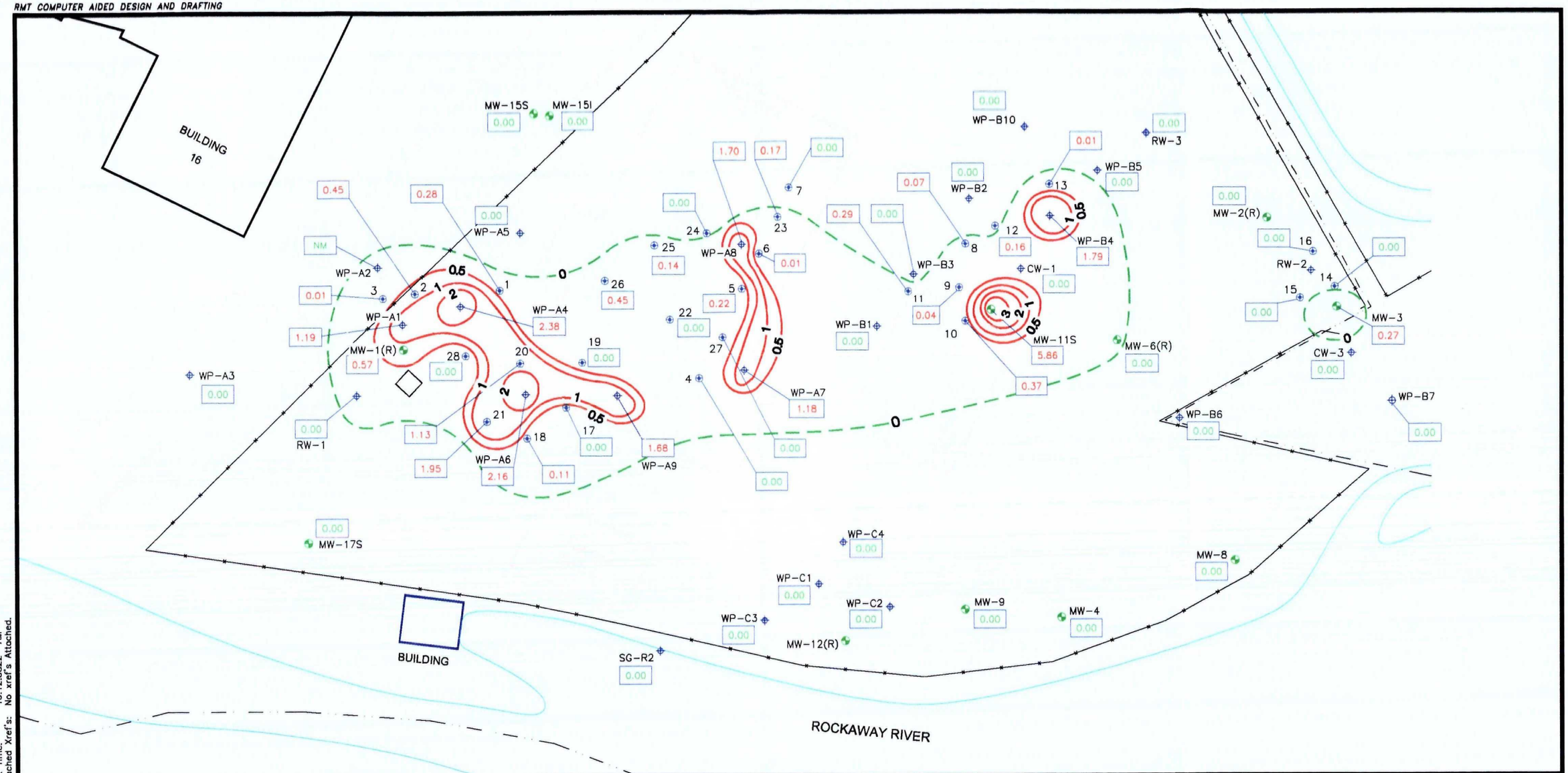
SITE PLAN WITH WELL LOCATIONS
1st QUARTER 2004

DRAWN BY:	SJL	PROJECT NUMBER:	6527.02
CHECKED BY:	JO	FILE NUMBER:	65270222.DWG
APPROVED BY:	NC	DATE:	APRIL 2004

RMT INC.
1143 HIGHLAND DRIVE, SUITE B
ANN ARBOR, MI. 48108-2237
PHONE: 734-971-7080
FAX: 734-971-9022

FIGURE 2

PLOT DATA
Drawing Name: J:\06527\02\65270222.dwg
Operator Name: lucidos
Scale: 1"=1'
Dwg Size: 954090 Bytes
Plot Date: Tuesday, March 30, 2004
Plot Time: 10:12:19 AM
Attached Xref's: No xref's Attached.
Layout Name: Site Plan - 1st Quarter 2004



LEGEND

- SURFACE WATER FEATURE
- PROPERTY LINE
- FENCE
- 1 APPARENT PRODUCT THICKNESS CONTOURS (FT)
- 0 APPROXIMATE OUTER LIMIT OF FREE PRODUCT
- 0.00 NO MEASURABLE PRODUCT
- 1.13 PRODUCT THICKNESS MEASURED IN WELL (FT) (Measurements collected at monitoring wells and well points) on February 23, 2004 by RMT, Inc.) (Measurements collected at EFR wells on February 25, 2004 by CEMCO)
- MW-13S MONITORING WELL
- ABANDONED WELL
- RW-2 RECOVERY WELL
- CW-3 CAISSON WELLS
- WP-B7 WELL POINTS WITH ELEVATION
- 13 ENHANCED FLUID RECOVERY WELL (EFR)

N

0 50' 100'
SCALE IN FEET

LE CARPENTER
WHARTON, NEW JERSEY

FREE PRODUCT THICKNESS MAP
1st QUARTER 2004

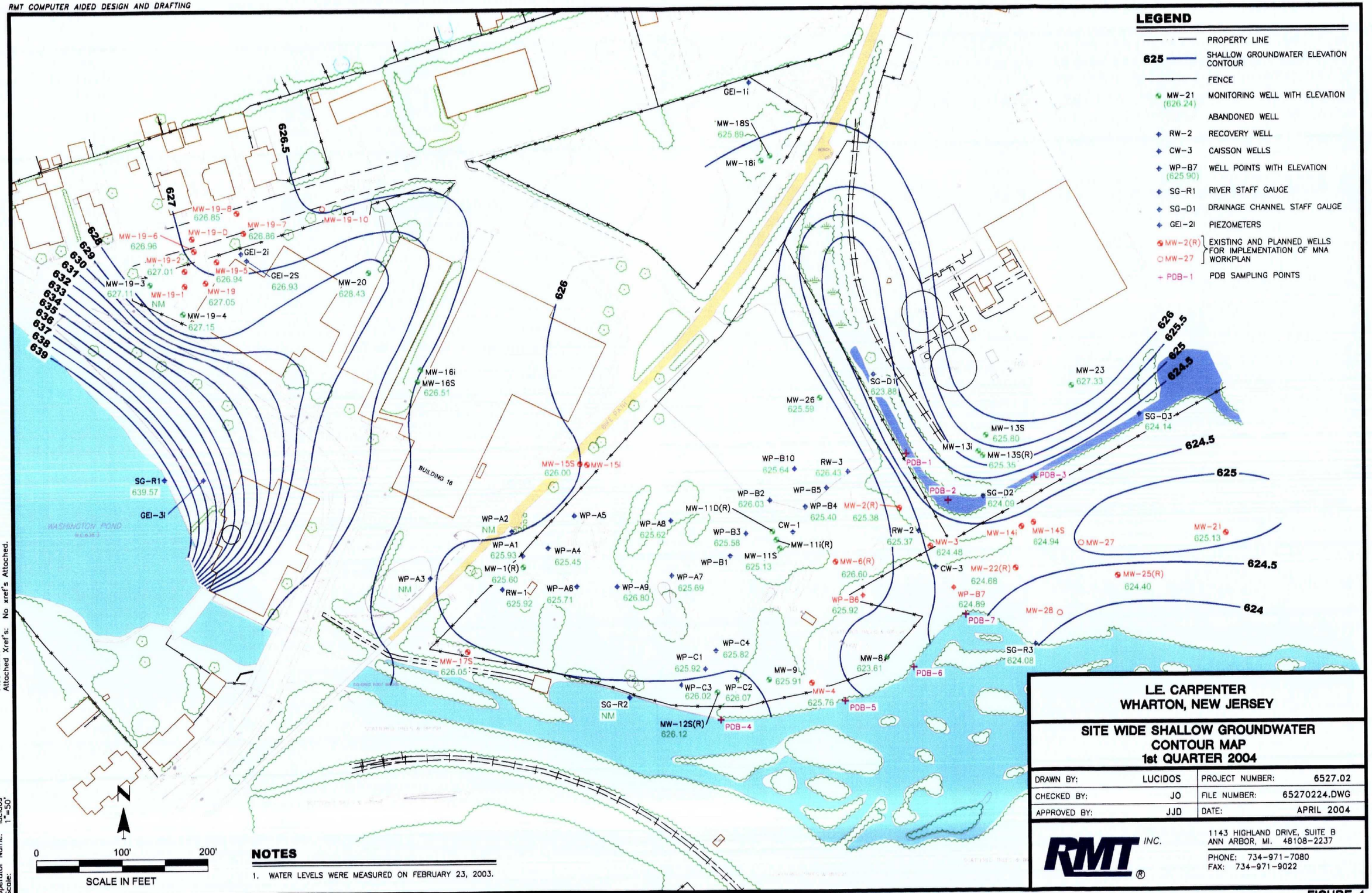
DRAWN BY:	SJL	PROJECT NUMBER:	6527.02
CHECKED BY:	JO	FILE NUMBER:	65270223.DWG
APPROVED BY:	NC	DATE:	APRIL 2004

RMT INC.
1143 HIGHLAND DRIVE, SUITE B
ANN ARBOR, MI. 48108-2237
PHONE: 734-971-7080
FAX: 734-971-9022

FIGURE 3

PLOT DATA
Drawing Name: J:\06527\02\65270223.dwg
Operator Name: lucidos
Scale: 1"=50'
Dwg Size: 139491 Bytes
Plot Date: Tuesday, March 30, 2004
Plot Time: 10:12:08.22 AM
Attached Xref's: No xref's Attached.

RMT COMPUTER AIDED DESIGN AND DRAFTING



LE. CARPENTER
WHARTON, NEW JERSEY

SITE WIDE SHALLOW GROUNDWATER CONTOUR MAP
1st QUARTER 2004

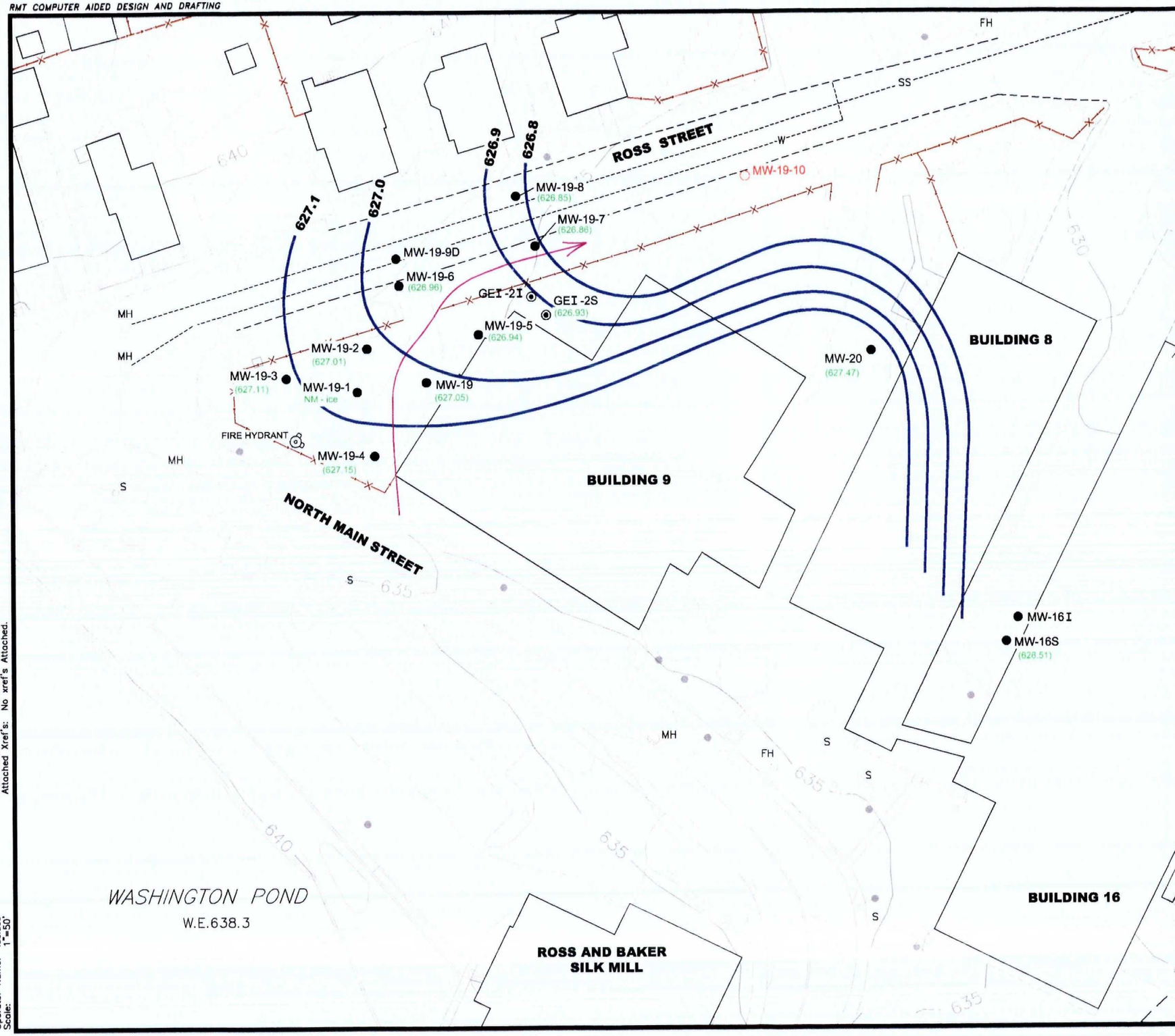
DRAWN BY:	LUCIDOS	PROJECT NUMBER:	6527.02
CHECKED BY:	JO	FILE NUMBER:	65270224.DWG
APPROVED BY:	JJD	DATE:	APRIL 2004

RMT INC.
1143 HIGHLAND DRIVE, SUITE B
ANN ARBOR, MI. 48108-2237
PHONE: 734-971-7080
FAX: 734-971-9022

FIGURE 4

PLOT DATA
Drawing Name: J:\06527\02\65270224.dwg
Operator Name: lucidos
Scale: 1"=50'
Dwg Size: 1369263 Bytes
Plot Date: Wednesday, April 7, 2004
Plot Time: 2:58:09 PM
Attached Xref's: No xref's Attached.
Layout Name: Shallow GW Contour Map (1st 2004)

RMT COMPUTER AIDED DESIGN AND DRAFTING



LEGEND

- FENCE LINE
- SS — APPROXIMATE LOCATION OF ROCKAWAY RIVER REGIONAL INTERCEPTOR SEWER
- 627 — GROUNDWATER ELEVATION CONTOUR
- MW-19-6 (627.80) — MONITORING WELL LOCATION AND NUMBER WITH CONCENTRATION OF TOTAL BTEXT (mg/L)
- GEI-2S (627.66) — GEOPROBE INSTALLED PIEZOMETER LOCATION AND NUMBER WITH CONCENTRATION OF TOTAL BTEX (mg/L)
- MW-19-10 — WELL TO BE INSTALLED AS PART OF MNA WORKPLAN IMPLEMENTATION
- SS — SANITARY SEWER
- G&W — GAS AND WATER
- E — ELECTRIC
- W — WATER
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES

1. GROUNDWATER ELEVATIONS BASED ON LEVELS MEASURED ON FEBRUARY 23, 2004.

N

0 40' 80'

SCALE IN FEET

L.E. CARPENTER
WHARTON, NEW JERSEY

MW-19 / HOT SPOT 1 SHALLOW AQUIFER POTENTIOMENTRIC SURFACE MAP 1st QUARTER 2004

DRAWN BY:	SJL	PROJECT NUMBER:	6527.02
CHECKED BY:	JO	FILE NUMBER:	65270225.DWG
APPROVED BY:	JDD	DATE:	APRIL 2004

RMT INC.
1143 HIGHLAND DRIVE, SUITE B
ANN ARBOR, MI. 48108-2237
PHONE: 734-971-7080
FAX: 734-971-9022

FIGURE 5

PLOT DATA
Drawing Name: J:\06527\02\65270225.dwg
Operator Name: lucidos
Scale: 1"=50'
Dwg Size: 978676 Bytes
Plot Date: Wednesday, April 7, 2004
Plot Time: 2:58.37 PM
Attached Xref's: No xref's Attached.

Appendix A
Report Certification

REPORT CERTIFICATION
PURSUANT TO N.J.A.C. 7:26E-1.5

"I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement, which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

Mr. Cristopher R. Anderson

PRINTED NAME

Director, Environmental Services

TITLE

L.E. Carpenter & Company

COMPANY

Cristopher Anderson

SIGNATURE

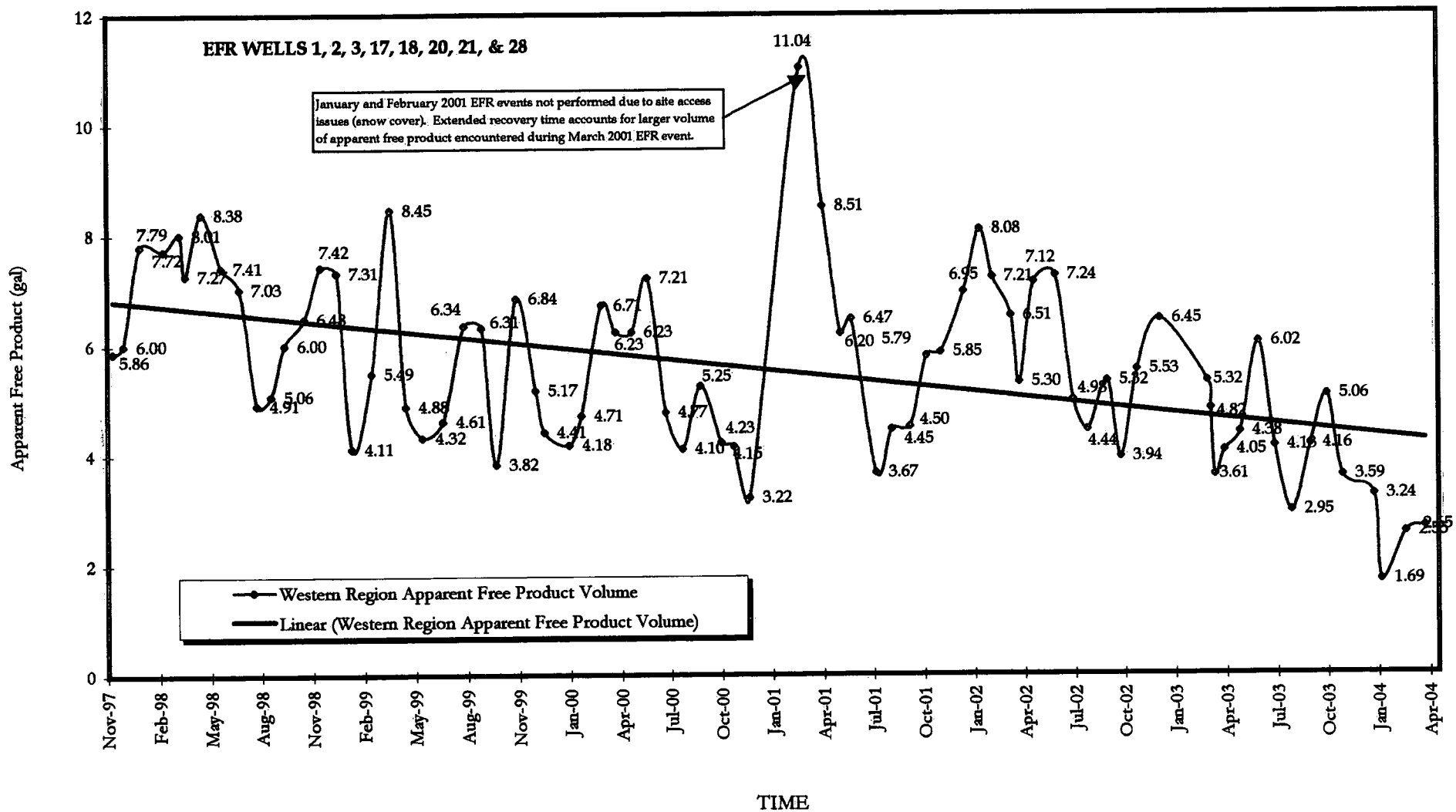
4/26/04

DATE

Appendix B
Apparent Free Product Volume Trend Charts

L.E. Carpenter and Company
Western Region of Free Product

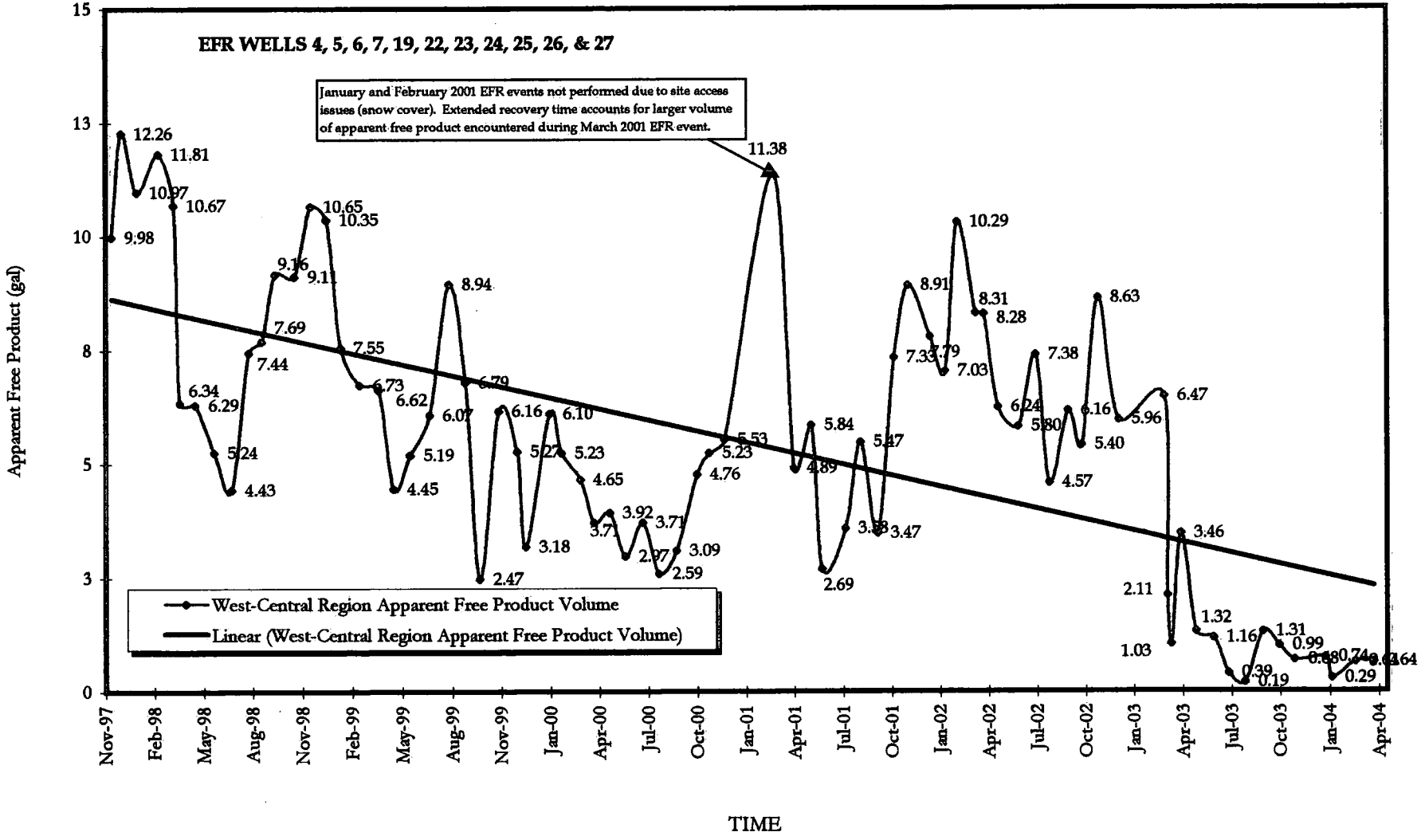
Apparent Free Product Volume vs. Time
Through 1st Quarter 2004



I:\WPGRM\PJT\00-06527\02\000652702-001.XLS 4/28/2004

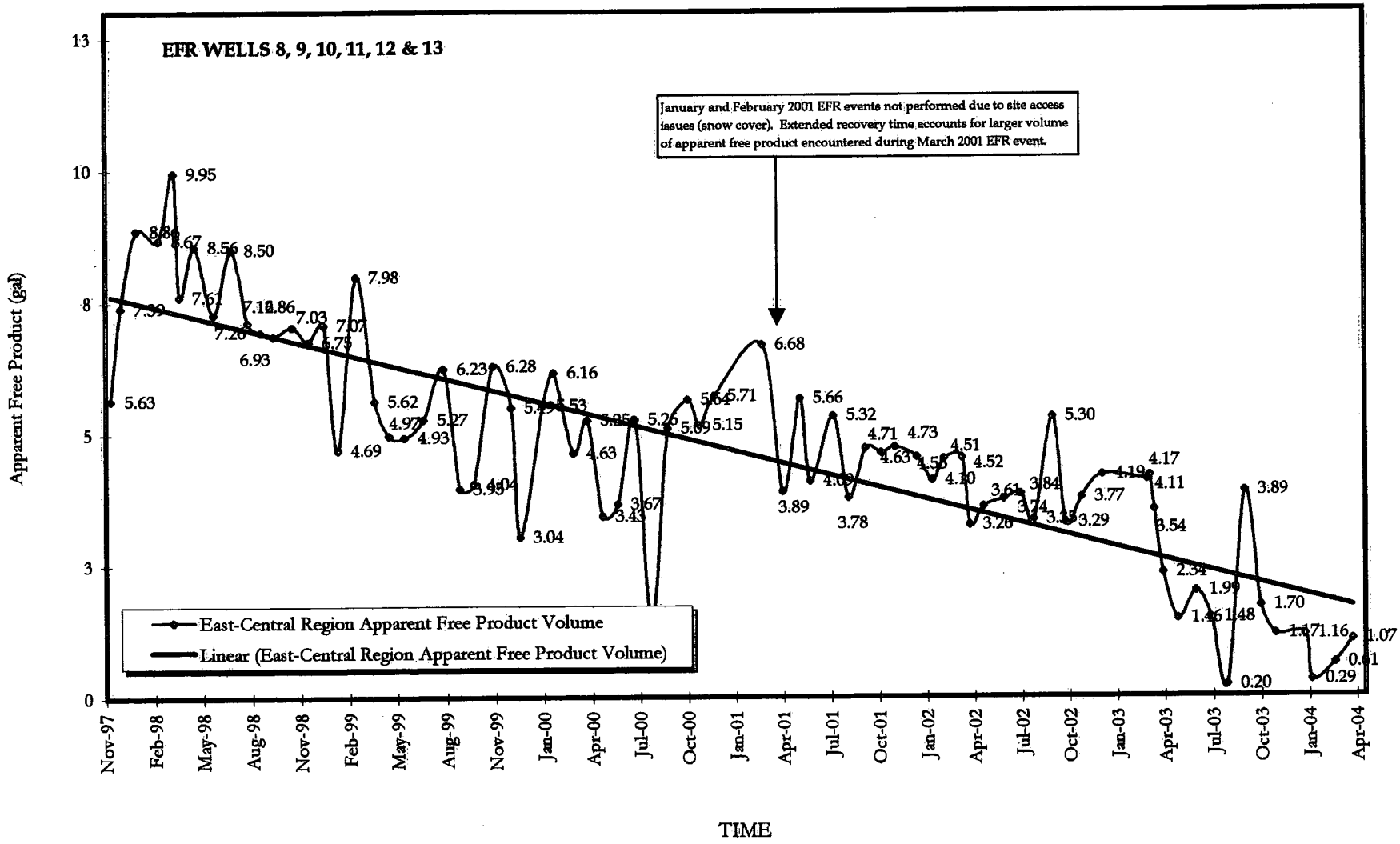
L.E. Carpenter and Company
Western Region of Free Product

Apparent Free Product Volume vs. Time
Through 1st Quarter 2004



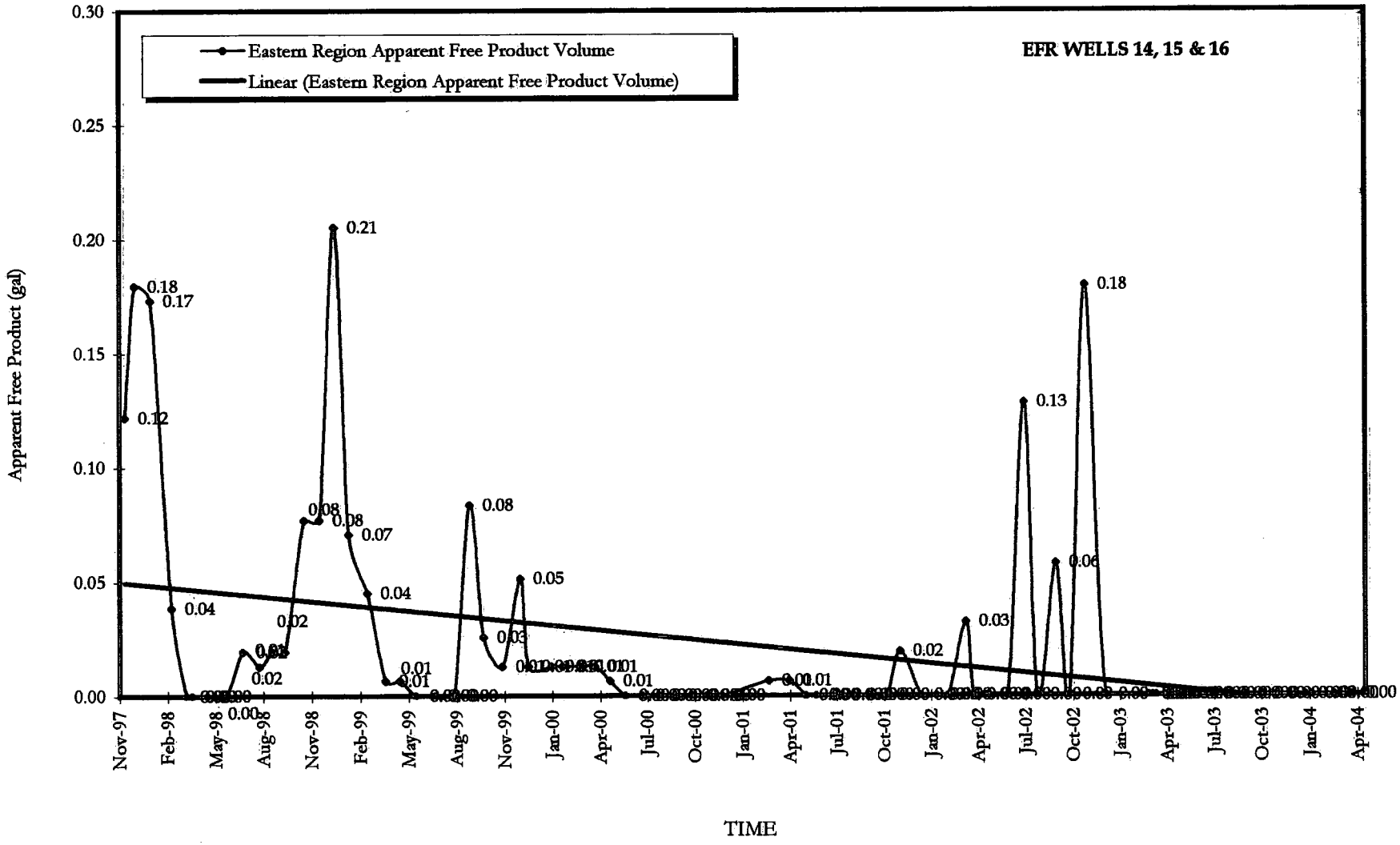
L.E. Carpenter and Company
Western Region of Free Product

Apparent Free Product Volume vs. Time
Through 1st Quarter 2004



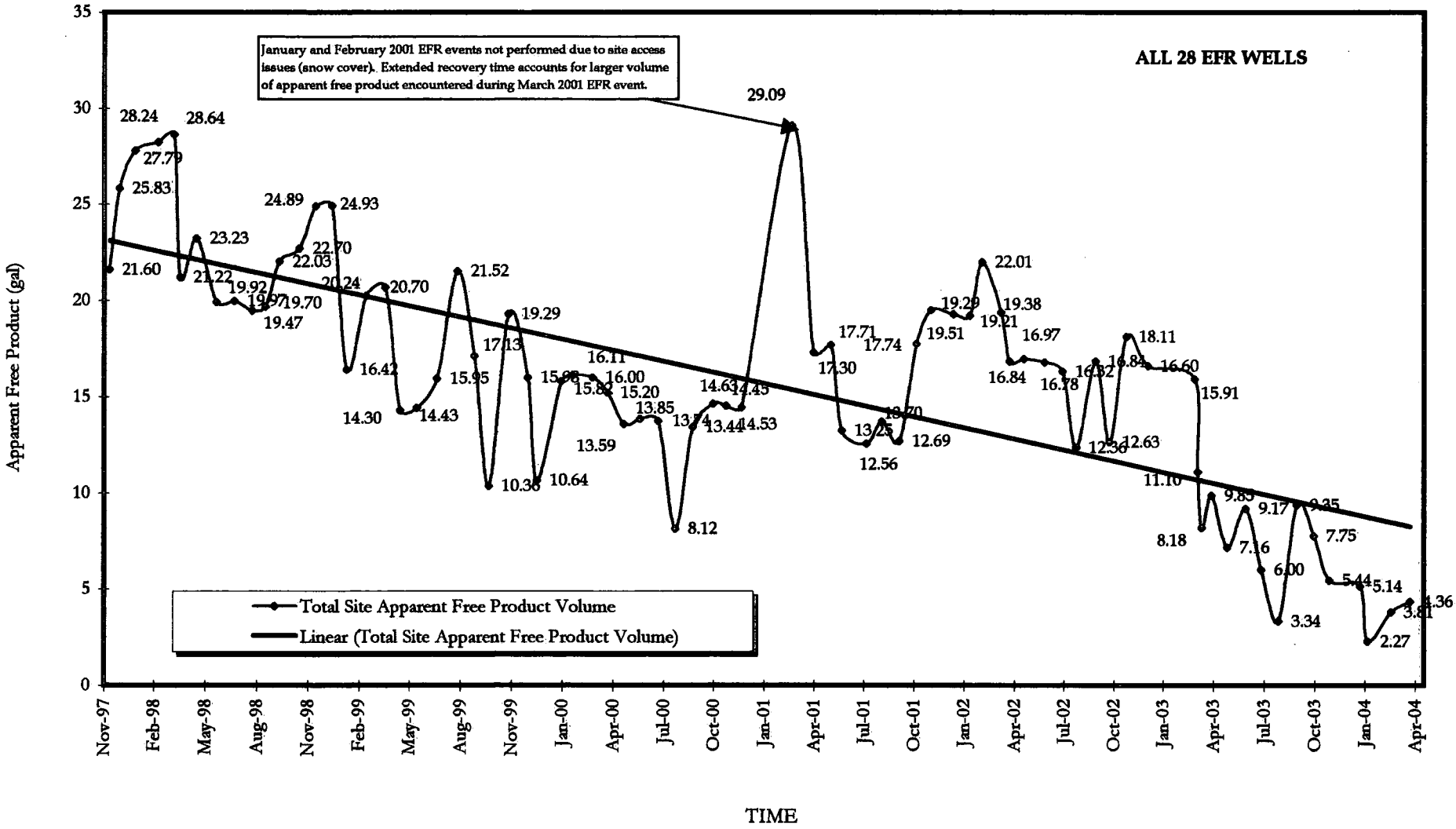
L.E. Carpenter and Company
Western Region of Free Product

Apparent Free Product Volume vs. Time
Through 1st Quarter 2004



L.E. Carpenter and Company
Western Region of Free Product

Apparent Free Product Volume vs. Time
Through 1st Quarter 2004



Appendix C
1st Quarter 2004 Monitoring Well Sampling Data

RMT®

PROJECT NAME:	L. E. Carpenter
PROJECT NUMBER:	6527.02
LOCATION:	Wharton, NJ
DATES OF FIELD WORK:	2/23-26/2004
PURPOSE OF FIELD WORK:	1st Quarter Groundwater Monitoring
WORK PERFORMED BY:	Jennifer Overvoorde Sarah Lapka

Sarah Lapka	2/26/04	Nicole DeTomaso	3/8/04
Signed	Date	OC'd By	Date

RMT®

GENERAL NOTES

PROJECT NAME: LEC

DATE: 2/23/04

PROJECT NUMBER: 6527.02

AUTHOR: J. Overvoorde

TIME ARRIVED ON SITE:

TIME LEFT SITE:

WEATHER:

Temperature: 50 F° Wind: calm MPH Visibility: good, sunny

WORK/SAMPLING PERFORMED: took water levels

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

none

COMMUNICATIONS:

Name/Representing: Dave Condon / LEC

Subject/Comments: site access

Signed: Sarah Lapka

QC: [illegible] 2/8/04

RMT

GENERAL NOTES

PROJECT NAME: LEC

DATE: 2/24/04

PROJECT NUMBER: 6527.02

AUTHOR: J. Overvoorde

TIME ARRIVED ON SITE: 8:00

TIME LEFT SITE: 19:00

WEATHER:

Temperature: 34 F° Wind: calm MPH Visibility: snowing, cloudy,

WORK/SAMPLING PERFORMED: Finished WLs,

Sampled SW-8, SW-5, SW-7

MW-21, MW-25(R)

MW-14S, MW14I

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

None

COMMUNICATIONS:

Name/Representing: None

Subject/Comments:

Signed: Sarah Lapka

QC: M. Antonyan 3/8/04

RMT

GENERAL NOTES

PROJECT NAME: LEC

DATE: 2/25/04

PROJECT NUMBER: 6527.02

AUTHOR: J. Overvoorde

TIME ARRIVED ON SITE: 7:30

TIME LEFT SITE: 17:00

WEATHER:
Temperature: 30 F°

Wind: 5-10 MPH

Visibility: sunny, clear

WORK/SAMPLING PERFORMED: N.SL

Sampled MW15I, MW15S, & Dup-01 (at MW15I), MW17S, Field Blank (at 11:25, at MW17S), Rinsate (at 11:45, at MW17S), MW22, MW11(D), and MW4

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION TAKEN:

none

COMMUNICATIONS:

Name/Representing: None

Subject/Comments:

Signed: Sarah Lapka

QC: M. Altamus 3/8/04

RMT	EQUIPMENT SUMMARY	SHEET: 5 of 40
		DATE: 2/23/04
		CHECKED BY: NA 3/8/04
PROJECT: LEC	PROJECT NO: 6527.02	REVIEWED BY:

WATER LEVEL MEASUREMENTS WERE COLLECTED WITH:

QED water level meter
Name and Model Number of Instrument

LEC Equipment
Serial Number (if applicable)

DEPTH TO BOTTOM OF WELL MEASUREMENTS WERE COLLECTED WITH:

NM
Name and Model Number

"
Serial Number (if applicable)

PURGING METHOD:

QED bladder pump
Name and Model Number of Pump or Type of Bailer

"
Serial Number (if applicable)

PURGE WATER DISPOSAL METHOD:

Drum

SAMPLING METHOD:

QED Portable Bladder Pump
Name and Model Number of Pump or Type of Bailer

"
Serial Number (if applicable)

Turbing Type

FILTRATION METHOD:

NA
Name and Model Number of Device

Serial Number (if applicable)

Filter Type

Tubing Type

DECONTAMINATION AND FILED BLANK WATER SOURCE:

NA
Potable Water Source (if applicable)

Crystal Springs
DI Water Source

RMT.	PH / CONDUCTIVITY METER CALIBRATION LOG		SHEET 6 of 40
			DATE: 2/24/04
PROJECT: LEC			PROJECT NO: 6527
LOCATION Wharton, NJ			SAMPLER NAME: SO/SL
MODEL: MP20	SERIAL NO: NA		DEVICE OWNER: LEC

pH CALIBRATION

DATE / TIME	pH 4 PRE-CALIBRATION READING	pH 4 POST CALIBRATION READING	pH 7 PRE-CALIBRATION READING	pH 7 POST CALIBRATION READING	pH 10 PRE-CALIBRATION READING	pH 10 POST CALIBRATION READING
2/24/04 950	4.50 / 4.00	4.00 / 4.00	7.34 / 7.00	7.00 / 7.00	9.89 / 10.00	10.00 / 10.00
2/24/04 1800	3.12 / 4.00	4.00 / 4.00	6.26 / 7.00	7.00 / 7.00	9.29 / 10.00	10.00 / 10.00
2/25/04 7:45	3.56 / 4.00	4.0 / 4.00	6.50 / 7.00	7.00 / 7.00	8.62 / 10.00	10.00 / 10.00
	/ 4.00	/ 4.00	/ 7.00	/ 7.00	/ 10.00	/ 10.00
	/ 4.00	/ 4.00	/ 7.00	/ 7.00	/ 10.00	/ 10.00
	/ 4.00	/ 4.00	/ 7.00	/ 7.00	/ 10.00	/ 10.00
	/ 4.00	/ 4.00	/ 7.00	/ 7.00	/ 10.00	/ 10.00
	/ 4.00	/ 4.00	/ 7.00	/ 7.00	/ 10.00	/ 10.00

Buffer Log Numbers: pH4: NA pH7: NA pH 10: NA Solution Source Pine Environmenta

CONDUCTIVITY CALIBRATION

DATE / TIME	CONDUCTIVITY SOLUTION (units)	PRE-CALIBRATION READING (units)	POST CALIBRATION READING (units)
2/24/04 950	1.413	1.450	1.413
2/24/04 1800	1.413	1.320	1.413
2/25/04 7:45	1.413	1.410	1.413

CALIBRATION SOLUTION LOT NUMBER: 2815 CALIBRATION RANGE FOR SOLUTION: 1413 µS/cm

PROBLEMS / CORRECTIVE ACTIONS: None

Sarah Lapka 2/26/04 N. Altomare 3/8/04

SIGNED DATE REVIEWED BY DATE

RMT	TURBIDITY METER CALIBRATION LOG	SHEET 7 of 40
PROJECT: LEC		DATE: 2/24/04
LOCATION: Wharton, NJ		PROJECT NO: 6527.02
MODEL: 2100P	SERIAL NO: 0205000026489	SAMPLER NAME: JO/SL
		DEVICE OWNER: RMT

DATE / TIME	0 - 10 NTU READING	0 - 100 NTU READING	10 - 1000 NTU READING	Comments
2/24/04 9:50	6	54	526	
2/24/04 1800	6	64	572	
2/25/04 7:50	6	56	533	

CALIBRATION SOLUTION LOT NUMBER: A2081 CALIBRATION RANGE FOR SOLUTION: see above

PROBLEMS / CORRECTIVE ACTIONS: None

Sarah Lapka 2/26/04
SIGNED DATE

M. Altamaro 3/8/04
REVIEWED BY DATE

RMT

WATER LEVEL DATA

PROJECT NAME: LEC

DATE: 2/23/04 / 2/24/04

PROJECT NUMBER: 6527.02

SAMPLER: J. Overvoorde

Well ID	Time	Top of Casing Elevation	Historical Depth to Water	Depth to Product (feet)	Depth to Water (feet)	Depth to Bottom (feet)	Water Elev (MSL)
WPA1	1430		10.38	9.20	10.39	NM	
WPA2	1435		12.95	NM	NM		bent - obstructe
WPA4	1451		11.09	8.90 ~~NM~~ JO 2/23	11.28 ~~NM~~ JO 2/23		~~destroyed~~ JO 2/23
WPA5	1459		10.80	—	10.80		
WPA6	1503		13.57	10.83	12.99		
WPA7	1742		9.66	8.51	9.69		
WPA8	1748		12.15	11.23	12.93		
WPA9	1736		14.29	12.63	14.31		
WPB1	1753		6.19	—	4.63		
WPB2	1059		5.61	—	5.62		
WPB3	1756		6.49	—	6.15		
WPB4	1103		6.54	6.45	8.24		
WPB5	1106		4.78	—	4.75		
RW-1	1055		11.09	—	10.86		
RW-2	1130		5.47	—	5.71		
RW-3	1010		5.75	—	4.96		
CW-1	1132		7.04	—	7.02		
MW-1R	1440		9.61	9.14	9.71		
MW-2R	1120		5.85	—	6.16		
W MW-3	1122		7.29	7.46	7.73		
MW-11S	1800		12.49	6.86	12.72		
MW-6R	1116		6.78	—	5.22		

* Note the Presence of Sheen as an "S"

* All Water Levels Must Include Reference Point and Tape Correction factor, i.e., 1.1 + 0.00 T/PVC.

TYPE OF MEASURING DEVICE: Solinst interface meter model 122

Sarah Lapka 2/26/04 — Signed / Date

M. Altomare 3/8/04 — QC'd By / Date

RMT

WATER LEVEL DATA

PROJECT NAME: LEC

DATE: 2/23/04

PROJECT NUMBER: 6527.02

SAMPLER: J. Overvoorde

	Well ID	Time	Top of Casing Elevation	Historical Depth to Water	Depth to Product (feet)*	Depth to Water (feet)*	Depth to Bottom (feet)	Water Elev. (MSL)
	MW-11IR	1027		6.80		7.10	NM	
	MW-11DR	1030		4.18		4.66		
W	MW-~~21~~ 21	1155 (2/24)		2.90		3.07		
W	MW-~~25~~ 25(R)	1300 (2/24)		1.89		2.22		
W	MW-22(R)	1500 (2/24)		2.50		2.85		
	WPA3	910 (2/24)		8.44		NM		under 6" ice
	MW-16I	815 (2/24)		7.49		7.92		
	MW-16S	817 (2/24)		7.16		7.36		
	MW-20	1057		8.34		8.70		
	WPC1	957		6.71		6.99		
	WPC2	1002		7.74		7.79		needs j-plug
	WPC3	952		5.94		6.02		
	WPC4	959		5.76		6.85		abc broken off at ground
W	WPB6	1134		5.77		5.34		
W	WPB7	1135		3.79		4.00		
	WPB10	1037		6.21		6.50		
	MW-19	1134		8.63		8.85		
	MW19-1	1120		8.40		NM-ice		
	MW19-2	1144		9.09		9.29		
	MW19-3	1124		9.43		9.59		
	MW19-4	1131		8.11		8.28		
	MW19-5	1155		8.36		8.62		

* Note the Presence of Sheen as an "S"

* All Water Levels Must Include Reference Point and Tape Correction factor, i.e., 1.1 + 0.00 T/PVC.

TYPE OF MEASURING DEVICE: Solinst water level meter

Sarah Lupka — Signed — 2/26/04 — Date

M. Altamirano — QC'd By — 3/8/04 — Date

RMT

WATER LEVEL DATA

PROJECT NAME: LEC

DATE: 2/23/04 / 2/24/04

PROJECT NUMBER: 6527.02

SAMPLER: J. Overvoorde

Well ID	Time	Top of Casing Elevation	Historical Depth to Water	Depth to Product (feet)*	Depth to Water (feet)**	Depth to Bottom (feet)	Water Elev (MSL)
MW19-6	12^19		8.62		8.86	NM	
MW19-7	12^30		7.89		8.14		
MW19-8	12^35		8.35		8.51		
MW19-9D	12^25		8.28		8.69		
GEI-1I	8^25		3.97		4.09		
GEI-2S	~~10^34~~ 12^04		10.01		10.14		
GEI-2I	~~10^37~~ 12^02		10.05		10.37		
GEI-3I	8^31 (2/24)		12.20		12.64		
MW-4	~~8^54~~ (2/24)		5.91		6.74		
MW-8	8.53 (2/24)		2.76		4.58		
MW-9	10^14		3.58		3.67		
MW-12R	10^10		8.09		7.61		
W MW-14S	15^30		2.65		2.87		
W MW-14I	14^32		1.96		2.30		
MW-15S	8^43 (2/24)		9.83		10.17		
MW-15I	10^52		9.71		10.12		
MW-17S	14^48		7.62		8.14		
MW-18S	8^23		4.68		4.77		
MW-18I	8^22		4.22		4.38		
MW_26	10^40		8.02		7.07		
SGR-1	8^37		1.56		1.98		to ice
SGR-2	8^50		0.55		NM		

* Note the Presence of Sheen as an "S"

* All Water Levels Must Include Reference Point and Tape Correction factor, i.e., 1.1 + 0.00 T/PVC.

TYPE OF MEASURING DEVICE: Solinst water level meter

Sarah Lapka — Signed — 2/26/04 — Date

M. Altamuro — QC'd By — 3/8/04 — Date

RMT

WATER LEVEL DATA

PROJECT NAME: LEC

DATE: 2/24/04

PROJECT NUMBER: 6527.02

SAMPLER: J. Overvoorde

	Well ID	Time	Top of Casing Elevation	Historical Depth to Water	Depth to Product (feet)*	Depth to Water (feet)**	Depth to Bottom (feet)	Water Elev. (MSL)
W	SGR-3	1442		0.78		0.63	NM	
A	SGD-1	1022		1.40		1.40		
A	SGD-2	949		1.20		1.16		
A	SGD-3	946		1.68		~~6.40~~ 1.64		
A	MW-13R	935		4.41		4.64		
A	MW-13S	932		5.30		4.83		
A	MW-13I	934		4.29		4.61		
W	CW-3	1130		7.04		6.89		
A	MW-23	938		4.02		2.71		

* Note the Presence of Sheen as an "S"

* All Water Levels Must Include Reference Point and Tape Correction factor, i.e., 1.1 + 0.00 T/PVC.

TYPE OF MEASURING DEVICE: Solinst water level meter

Sarah Lapka 2/26/04 N. Altamaro 3/8/04

Signed Date QC'd By Date

RMT

WATER SAMPLE LOG

Sheet 12 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/24/04	SAMPLE TIME: 9:54

WELL INFORMATION	WELL ID: SW-8	WELL DIAMETER: NA
WELL MATERIAL: NA	WELL CONDITIONS: NA	
STATIC WATER LEVEL: NA	TOTAL DEPTH: NA	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: _____ ☐ EQUIP. COATING ☐ PURGE WATER		

SAMPLE METHOD	PURGE METHOD: NA, grab (use purge form)	
SAMPLING PUMP: NA	PNEUMATIC SOURCE	
BLADDER TYPE: NA (new / used)		
TUBING TYPE: NA	TUBING CONDITION: NA	HOW STORED: NA
WATER QUALITY METER TYPE: MP20 flow cell	CALIBRATION DATE / TIME 2/24/04 9:50	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 0.01 UNITS mg/L	FINAL ORP 156 UNITS mV	FINAL TURBIDITY: 19
FINAL PH: 5.88	FINAL COND. 8.91	FINAL TEMP.: 4.56
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: NA

BOTTLES FILLED

*PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3	40mL	VOA	E	☐Y ☐N					☐Y ☐N
2	500mL	amber	F	☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 0047341 DATE SHIPPED: 2/26/04 METHOD: Courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

3/8/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: SW-8

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: NA

DATE: 2/24/04

SAMPLER: JO/SL

Type of pump used: NA

Pumping rate (milliliters/minute): NA

Water level before purging (nearest 0.01 ft. below reference point) NA + T/

Depth to bottom of well (obtained from well logs) NA + T/

Calculated volume of water in casing NA

Weather conditions Snow, cold, 30's

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft)	Cumulative Purge Volume (gal)
9[31]	NA	5.88	8.91	19	.01	156	4.56	NA	—

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed — 2/26/04 — Date

M. Altamirano — QC'd By — 3/8/04 — Date

RMT

WATER SAMPLE LOG

Sheet 14 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/24/04	SAMPLE TIME: 10:12

WELL INFORMATION	WELL ID: SW-5	WELL DIAMETER: —
WELL MATERIAL: —	WELL CONDITIONS: —	
STATIC WATER LEVEL: —	TOTAL DEPTH: —	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: _____	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: grab (use purge form)	
SAMPLING PUMP: —	PNEUMATIC SOURCE	
BLADDER TYPE: — (new / used)		
TUBING TYPE: —	TUBING CONDITION: —	HOW STORED: —
WATER QUALITY METER TYPE: MP 20 flow cell	CALIBRATION DATE / TIME 2/24/04 9:50	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 10.41 UNITS mg/L	FINAL ORP 84 UNITS mV	FINAL TURBIDITY: 11
FINAL PH: 5.75	FINAL COND. 127	FINAL TEMP.: 2.25
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: NA

BOTTLES FILLED

PRESERVATIVE CODES:
A - None B - HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3	40mL	VOA	E	☐Y ☐N					☐Y ☐N
2	500mL	amber	F	☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 0047341 DATE SHIPPED: 2/26/04 METHOD: courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

3/8/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: SW-5

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: NA

DATE: 2/24/04

SAMPLER: JO/SL

Type of pump used: NA

Pumping rate (milliliters/minute): NA

Water level before purging (nearest 0.01 ft. below reference point) NA + T/

Depth to bottom of well (obtained from well logs) NA + T/

Calculated volume of water in casing NA

Weather conditions Cold, 32°, snow, calm

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
10:12	—	5.75	127	11	10.41	84	2.25	—	—

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed — 2/26/04 — Date

N. Altamaro — QC'd By — 3/8/04 — Date

RMT

WATER SAMPLE LOG

Sheet 16 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/24/04	SAMPLE TIME: 10:20

WELL INFORMATION	WELL ID: SW-7	WELL DIAMETER: —
WELL MATERIAL: —	WELL CONDITIONS: —	
STATIC WATER LEVEL: —	TOTAL DEPTH: —	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: _____ ☐ EQUIP. COATING ☐ PURGE WATER		

SAMPLE METHOD	PURGE METHOD: grab (use purge form)	
SAMPLING PUMP: —	PNEUMATIC SOURCE	
BLADDER TYPE: — (new / used)		
TUBING TYPE: —	TUBING CONDITION: —	HOW STORED: —
WATER QUALITY METER TYPE: MP20 flow cell	CALIBRATION DATE / TIME 2/24/04 9:50	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 0.93 UNITS mg/L	FINAL ORP 110 UNITS mV	FINAL TURBIDITY: 5
FINAL PH: 5.62	FINAL COND. 865	FINAL TEMP.: 4.11
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: NA

BOTTLES FILLED

PRESERVATIVE CODES: A - None B - HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative	Filtered	Number	Size	Type	Preservative	Filtered
3	40mL	VOA	E	☐Y ☐N					☐Y ☐N
2	500mL	amber	F	☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 004734 DATE SHIPPED: 2/26/04 METHOD: courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

MA 8/8/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: SW-7

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: NA

DATE: 2/24/04

SAMPLER: JD/SL

Type of pump used: NA

Pumping rate (milliliters/minute): NA

Water level before purging (nearest 0.01 ft. below reference point) NA + T/

Depth to bottom of well (obtained from well logs) NA + T/

Calculated volume of water in casing NA

Weather conditions snowing, calm, cold

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L or %)	ORP mV	Temp (°C)	Water Level (0.01 ft)	Cumulative Purge Volume (gal)
10:20	—	5.67	865	5	0.93	110	4.11	NA	—

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed — 2/26/04 Date

M. Altamirano — QC'd By — 3/8/04 Date

RMT

WATER SAMPLE LOG

Sheet 18 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/24/04	SAMPLE TIME: 12:15

WELL INFORMATION	WELL ID: MW21	WELL DIAMETER: 4"
WELL MATERIAL: SS	WELL CONDITIONS: fair	
STATIC WATER LEVEL: 3.07	TOTAL DEPTH: 15.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: none	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: low flow (use purge form)	
SAMPLING PUMP: QED bladder pump	PNEUMATIC SOURCE portable compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: PE	TUBING CONDITION: poor	HOW STORED: in well
WATER QUALITY METER TYPE: MP20 flow cell	CALIBRATION DATE / TIME 2/24/04 9:50	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 2.65 UNITS mg/L	FINAL ORP 125 UNITS mV	FINAL TURBIDITY: 2
FINAL PH: 5.57	FINAL COND. 447	FINAL TEMP.: 9.54
COMMENTS:		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: —

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative	Filtered	Number	Size	Type	Preservative	Filtered
3	40 mL	VOA	E	☐Y ☑N					☐Y ☐N
2	500 mL	amber	F	☐Y ☑N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 0047341 DATE SHIPPED: 2/26/04 METHOD: courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

YCA 3/8/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW21

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 4"

DATE: 2/24/04

SAMPLER: JO/SL

Type of pump used: Submersible bladder

Pumping rate (milliliters/minute): 300

Water level before purging (nearest 0.01 ft. below reference point) 3.07+ T/

Depth to bottom of well (obtained from well logs) 15.0 + T/

Calculated volume of water in casing 7.79

Weather conditions snow, 32°, calm

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L or %)	ORP (mV)	Temp (°C)	Water Level (0.01 ft)	Cumulative Purge Volume (gal)
11:55	300	5.65	448	5	1.52	147	8.87	3.07	—
12:00	↓	5.58	446	3	3.16	142	9.09	↓	0.4
12:05		5.54	447	3	2.85	135	9.15		0.8
12:10		5.56	447	2	2.66	131	9.42	3.04	1.2
12:15		5.57	447	2	2.65	125	9.54	3.04	~~2.0~~ 1.6

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed — 2/26/04 — Date

M. Altamuro — QC'd By — 3/8/04 — Date

RMT

WATER SAMPLE LOG

Sheet 20 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/24/04	SAMPLE TIME: 14:35

WELL INFORMATION	WELL ID: MW25	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: fair	
STATIC WATER LEVEL: 2.22	TOTAL DEPTH: 10.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: none	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: low flow (use purge form)	
SAMPLING PUMP: GED bladder	PNEUMATIC SOURCE portable compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: PE	TUBING CONDITION: poor	HOW STORED: in well
WATER QUALITY METER TYPE:	CALIBRATION DATE / TIME	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 3.22 UNITS mg/L	FINAL ORP 7 UNITS mV	FINAL TURBIDITY: 89
FINAL PH: 5.87	FINAL COND. 563	FINAL TEMP.: 4.70
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: —

BOTTLES FILLED

PRESERVATIVE CODES: A - None B - HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative	Filtered	Number	Size	Type	Preservative	Filtered
3	40 mL	VOA	E	☐Y ☑N					☐Y ☐N
2	500 mL	amber	F	☐Y ☑N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 0047341 DATE SHIPPED: 2/26/04 METHOD: Courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

NA 3/8/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC WELL NUMBER: MW25

PROJECT NUMBER: 00-06527.02 WELL DIAMETER: 2"

DATE: 2/24/04 SAMPLER: JO/SL

Type of pump used: Submersible bladder

Pumping rate (milliliters/minute): 300

Water level before purging (nearest 0.01 ft. below reference point) 2.22+ T/

Depth to bottom of well (obtained from well logs) 10.0+ T/

Calculated volume of water in casing 1.27

Weather conditions 36°, snowing, calm

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L or %)	ORP (mV)	Temp (°C)	Water Level (0.01 ft)	Cumulative Purge Volume (gal)
13:00	300	5.71	524	1000	3.49	73	5.80	2.22	—
13:05		5.73 ~~5.55~~ SL	541	1000	3.27	44	5.53		0.4
13:10		5.73	545	1000	2.93	31	5.42		0.8
13:15		5.73	548	911	2.80	28	5.22		1.2
13:20		5.74	552	715	2.78	28	5.17	2.03	1.6
13:25		5.79	555	775	3.39	27	5.09	2.03	2.0
13:30		5.85	561	1000	3.16	24	5.12		2.4
13:35		5.80	557	880	3.11	20	5.17		2.8
13:40		5.79	555	686	3.15	13	5.07	2.06	3.2
13:45		5.77	556	539	3.03	8	4.95		3.6
13:50		5.75	561	444	3.09	7	4.98		4.0
13:55		5.81	561	327	3.09	7	4.96		4.4
14:00		5.83	558	224	3.13	9	4.82		4.8
14:05		5.88	556	131	3.19	14	4.75	2.04	5.2
14:10		5.87	555	NM(*)	3.20	16	4.82		5.6
14:15		5.89	556	137	3.14	12	4.83		6.0
14:25 ~~14:20~~ SL		5.86	556	92	3.28	9	4.75		6.4

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed; 2/26/04 — Date; M. Altamirano — QC'd By; 3/8/04 — Date

(*) Did not measure turbidity because pumped slipped

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW25

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 2/24/04

SAMPLER: JO/SL

Type of pump used: ~~300~~ SL Submersible bladder

Pumping rate (milliliters/minute): 300

Water level before purging (nearest 0.01 ft. below reference point) 2.22 + T/

Depth to bottom of well (obtained from well logs) 10.0 + T/

Calculated volume of water in casing 1.27

Weather conditions 36°, snow, cloudy

time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft)	Cumulative Purge Volume (gal)
14:30	300	5.85	560	SL ~~403~~ 98	3.31	8	4.77	2.04	6.8
14:35	↓	5.87	563	89	3.22	7	4.70	2.04	7.2

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed

2/26/04 — Date

M. Attoyano — QC'd By

3/8/04 — Date

RMT

WATER SAMPLE LOG

Sheet 23 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/24/04	SAMPLE TIME: 16:18

WELL INFORMATION	WELL ID: MW14S	WELL DIAMETER: 4"
WELL MATERIAL: SS	WELL CONDITIONS: fair	
STATIC WATER LEVEL: ~~2.30~~ 2.87	TOTAL DEPTH: 15.46	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: none	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: low flow (use purge form)	
SAMPLING PUMP: QED bladder	PNEUMATIC SOURCE well wizard compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: PE	TUBING CONDITION: poor	HOW STORED: in well
WATER QUALITY METER TYPE: MP20 flow cell	CALIBRATION DATE / TIME 2/24/04 9:50	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 2.99 UNITS mg/L	FINAL ORP 7 UNITS mV	FINAL TURBIDITY: 17
FINAL PH: 5.92	FINAL COND. 540	FINAL TEMP.: 9.02
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: —

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H2SO4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3	40mL	VOA	E	☐Y ☑N					☐Y ☐N
2	500mL	amber	F	☐Y ☑N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 0047341 DATE SHIPPED: 2/26/04 METHOD: Courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

1/28/04

RMT

LOW-FLOW GROUNDWATER SAMPLING
STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW14S

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 4"

DATE: 2/24/04

SAMPLER: JO/SL

Type of pump used: Portable Bladder

Pumping rate (milliliters/minute): 300

Water level before purging (nearest 0.01 ft. below reference point) 2.89+ T/

Depth to bottom of well (obtained from well logs) 15.46 T/

Calculated volume of water in casing 8.21

Weather conditions Snowing, cloudy, still, cold (32°)

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L) or %	ORP mV	Temp (°C)	Water Level (0.01 ft)	Cumulative Purge Volume (gal)
1533	300	6.04	0000	104	4.93	138	6.98	2.89	0
1538		5.94	544	32	4.62	55	6.30		0.4
1543		5.92	540	74	3.71	42	7.88		0.8
1548		5.92	540	65	3.24	29	8.75	2.88	1.2
1553		5.92	540	41	3.01	18	8.89	2.88	1.6
1558		5.91	541	66	2.91	17	8.98		2.0
1603		5.91	540	28	2.87	15	9.10		2.4
1608		5.92	540	18	2.89	12	9.33		2.8
1613		5.92	542	18	2.89	10	9.07	2.90	3.2
1618		5.92	540	17	2.99	7	9.02	2.90	3.6

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed

2/26/04 — Date

N. Altamaro — QC'd By

3/8/04 — Date

RMT

WATER SAMPLE LOG

Sheet 25 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/24/04	SAMPLE TIME: 17:58

WELL INFORMATION	WELL ID: MW14F	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: OK	
STATIC WATER LEVEL: 2.30	TOTAL DEPTH: 44.3	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: none	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: low flow (use purge form)	
SAMPLING PUMP: QED bladder	PNEUMATIC SOURCE Well Wizard compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: PE	TUBING CONDITION: poor	HOW STORED: in well
WATER QUALITY METER TYPE: MP 20 flow cell	CALIBRATION DATE / TIME 2/24/04 9:50	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 2.78 UNITS mg/L	FINAL ORP 80 UNITS mV	FINAL TURBIDITY: 41
FINAL PH: 6.30	FINAL COND. 335	FINAL TEMP.: 10.79
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: —

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative	Filtered	Number	Size	Type	Preservative	Filtered
3	40mL	VOA	E	☐Y ☑N					☐Y ☐N
2	500mL	amber	F	☐Y ☑N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 0047341 DATE SHIPPED: 2/26/04 METHOD: courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

MA 3/8/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW-14I

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 2/24/04

SAMPLER: JO/SL

Type of pump used: Submersible bladder

Pumping rate (milliliters/minute): 300

Water level before purging (nearest 0.01 ft. below reference point) 2.30+ T/

Depth to bottom of well (obtained from well logs) 44.3+ T/

Calculated volume of water in casing 6.85

Weather conditions Snow, cloudy, 32°

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L or %)	ORP mV	Temp (°C)	Water Level (0.01 ft)	Cumulative Purge Volume (gal)
17:03	300 5.98	~~4.79~~ SL	464	1000	5.22	14	4.42	2.30	~~2.30~~ SL
17:08		6.09	332	1000	3.13	26	10.37		
17:13		6.10	333	401	2.64	45	10.63		
17:18		6.17	331	194	2.86	68	10.83		
17:23		6.21	331	112	2.86	58	10.83		
17:28		6.22	332	63	2.62	57	10.80	2.33	
17:33		6.29	335	45	2.86	57	10.81		
17:38		6.29	335	35	2.68	56	10.90		
17:43		6.33	335	24	2.84	60	10.84		
17:48		6.24	337	42	2.77	65	10.76		
17:53		6.25	337	45	2.76	76	10.68	2.35	
17:58		6.30	335	41	2.78	80	10.79	2.35	

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed

2/26/04 — Date

M. Attanasio — QC'd By

3/8/04 — Date

RMT

WATER SAMPLE LOG

Sheet 27 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/25/04	SAMPLE TIME: 8:30

WELL INFORMATION	WELL ID: MW15I	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: fair	
STATIC WATER LEVEL: 10.12	TOTAL DEPTH: 43.92	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: none	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: low flow (use purge form)	
SAMPLING PUMP: QED bladder	PNEUMATIC SOURCE well wizard compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: PE	TUBING CONDITION: poor	HOW STORED: in well
WATER QUALITY METER TYPE: MP 20 flow cell	CALIBRATION DATE / TIME 2/25/04 7:45	

SAMPLE DESCRIPTION	COLOR: Clear	ODOR: none
FINAL D.O. 3.24 UNITS mg/L	FINAL ORP -11 UNITS mV	FINAL TURBIDITY: 5
FINAL PH: 7.55	FINAL COND. 674	FINAL TEMP.: 10.57
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: —

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative	Filtered	Number	Size	Type	Preservative	Filtered
3	40mL	VOA	E	☐Y ☑N					☐Y ☐N
2	500mL	amber	F	☐Y ☑N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 0047340 DATE SHIPPED: 2/26/04 METHOD: Courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

JA 3/8/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW15I

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 2/25/04

SAMPLER: JO/SL

Type of pump used: Portable Bladder

Pumping rate (milliliters/minute): 400

Water level before purging (nearest 0.01 ft. below reference point) 10.14+ T/

Depth to bottom of well (obtained from well logs) 43.92+ T/

Calculated volume of water in casing 5.51

Weather conditions clear, sunny, 24° cold

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L or %)	ORP (mV)	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
7:55	400	6.65	NM(*)	NM(*)	6.58	172	2.07	10.14	0
8:00		7.19	637	NM	0.45	16	10.45	10.14	0.5
8:05		7.59	651	20	2.31	8	10.60	10.16	1.0
8:10		7.36	661	13	6.01	3	10.70	10.15	1.5
8:15		7.48	666	8	4.15	-1	10.43	10.15	2.0
8:20		7.50	670	8	3.20	-1	10.52	10.15	2.5
8:25		7.54	672	6	3.09	-8	10.60	10.15	3.0
8:30		7.55	674	5	3.24	-11	10.57	10.15	3.5

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed — 2/26/04 — Date

M. Altomare — QC'd By — 3/8/04 — Date

(*) Not measured due to clogged discharge line

RMT

WATER SAMPLE LOG

Sheet 29 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/25/04	SAMPLE TIME: 10:00

WELL INFORMATION	WELL ID: MW15S	WELL DIAMETER: 4"
WELL MATERIAL: SS	WELL CONDITIONS: fair	
STATIC WATER LEVEL: 10.17	TOTAL DEPTH: 25.94	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: none	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: low flow (use purge form)	
SAMPLING PUMP: QED bladder	PNEUMATIC SOURCE Well Wizard compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: PE	TUBING CONDITION: poor	HOW STORED: in well
WATER QUALITY METER TYPE: MP 20 flowcell	CALIBRATION DATE / TIME QSL 2/25/04, 7:45	

SAMPLE DESCRIPTION	COLOR: Clear	ODOR: None
FINAL D.O. 2.64 UNITS mg/L	FINAL ORP 151 UNITS mV	FINAL TURBIDITY: 30
FINAL PH: 7.25	FINAL COND. 688	FINAL TEMP.: 8.08
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: —

BOTTLES FILLED

*PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3	40mL	VOA	E	☐Y ☑N					☐Y ☐N
2	500mL	amber	F	☐Y ☑N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 0047341 DATE SHIPPED: 2/26/04 METHOD: Courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

NA 3/8/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC
WELL NUMBER: MW-15S
PROJECT NUMBER: 00-06527.02
WELL DIAMETER: 4"
DATE: 2/25/04
SAMPLER: SO/SL
Type of pump used: Portable Bladder
Pumping rate (milliliters/minute): 300
Water level before purging (nearest 0.01 ft. below reference point) 10.20+ T/
Depth to bottom of well (obtained from well logs) 25.94+ T/
Calculated volume of water in casing 10.28
Weather conditions 30°, sunny, windy, cold, clear

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L or %)	ORP (mV)	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
9:05	300	7.90	788	130	6.48	33	1.58	10.20	—
9:10		7.42	851	94	5.35	78	7.59	10.21	0.4
9:15		7.16	826	78	4.09	92	7.53	10.21	0.8
9:20		7.26	803	64	4.19	110	7.17	10.21	1.2
9:25		7.18	769	52	4.06	119	8.04	10.21	1.6
9:30		7.24	760	30	3.98	125	7.78	10.21	2.0
9:35		7.33	763	41	1.38	135	7.41	10.21	2.4
9:40		7.27	724	40	1.37	138	7.31	10.21	2.8
9:45		7.36	714	36	1.20	145	7.65	10.21	3.2
9:50		7.32	712	31	2.63	145	8.14	10.21	3.6
9:55		7.30	690	31	2.65	149	8.07	10.21	4.0
10:00		7.25	688	30	2.64	151	8.08	10.21	4.4

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed
2/26/04 — Date
[illegible] — QC'd By
3/8/04 — Date

RMT

WATER SAMPLE LOG

Sheet 31 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/25/04	SAMPLE TIME: 11:15

WELL INFORMATION	WELL ID: MW17S	WELL DIAMETER: 4"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 8.14	TOTAL DEPTH: 15.0	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: none	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: low flow (use purge form)	
SAMPLING PUMP: QED bladder	PNEUMATIC SOURCE well wizard compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: PE	TUBING CONDITION: poor	HOW STORED: in well
WATER QUALITY METER TYPE: MP 20 flow cell	CALIBRATION DATE / TIME 2/25/04, 7:45	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 0.38 UNITS mg/L	FINAL ORP 194 UNITS mV	FINAL TURBIDITY: 2
FINAL PH: 7.57	FINAL COND. 160	FINAL TEMP.: 3.60
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: —

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative	Filtered	Number	Size	Type	Preservative	Filtered
3	40mL	VOA	E	☐Y ☒N					☐Y ☐N
2	500mL	amber	F	☐Y ☒N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 0047341 DATE SHIPPED: 2/26/04 METHOD: courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

MA 7/8/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW17S

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 4"

DATE: 2/25/04

SAMPLER: JO/SL

Type of pump used: Submersible bladder

Pumping rate (milliliters/minute): 300

Water level before purging (nearest 0.01 ft. below reference point) 8.15+ T/

Depth to bottom of well (obtained from well logs) 15.0+ T/

Calculated volume of water in casing 4.47

Weather conditions 30s, Sunny, windy, cold

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L or %)	ORP mV	Temp (°C)	Water Level (0.01 ft)	Cumulative Purge Volume (gal)
10:50	300	7.55	106	6	1.03	183	3.36	8.15	—
10:55	↓	7.53	121	5	0.48	187	3.40	8.16	0.4
11:00		7.53	134	4	0.46	190	3.34	8.16	0.8
11:05		7.58	150	3	0.38	192	3.53	8.14	1.2
11:10		7.56	159	2	0.36	193	3.53	8.15	1.6
11:15		7.57	160	2	0.38	194	3.60	8.16	2.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed

2/26/04 — Date

N. Altomaro — QC'd By

3/8/04 — Date

RMT

WATER SAMPLE LOG

Sheet 33 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/25/04	SAMPLE TIME: 13:18

WELL INFORMATION	WELL ID: MW 22(R)	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: fair	
STATIC WATER LEVEL: 2.85	TOTAL DEPTH: 7.5	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: none	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: low flow	(use purge form)
SAMPLING PUMP: QED submersible bladder	PNEUMATIC SOURCE well wizard compressor	
BLADDER TYPE: PE	(new / used)	
TUBING TYPE: PE	TUBING CONDITION: poor	HOW STORED: in well
WATER QUALITY METER TYPE: MP20 flow cell	CALIBRATION DATE / TIME 2/25/04 7:45	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 4.68 UNITS mg/L	FINAL ORP -6 UNITS mV	FINAL TURBIDITY: 30
FINAL PH: 7.77	FINAL COND. 586	FINAL TEMP.: 7.09
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: —

BOTTLES FILLED

PRESERVATIVE CODES: A - None B - HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3	40mL	VOA	E	☐Y ☑N					☐Y ☐N
2	500mL	amber	F	☐Y ☑N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 047340 DATE SHIPPED: 2/26/04 METHOD: courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

N/A 3/8/04

RMT

LOW-FLOW GROUNDWATER SAMPLING
STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW22(R)

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 2/25/04

SAMPLER: SO/SL

Type of pump used: Portable Bladder

Pumping rate (milliliters/minute): 300

Water level before purging (nearest 0.01 ft. below reference point) 2.85+ T/

Depth to bottom of well (obtained from well logs) 7.5+ T/

Calculated volume of water in casing 0.76

Weather conditions 36°, Sunny, clear, windy, cold

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L or %)	ORP mV	Temp (°C)	Water Level (0.01 ft.)	Cumulative Purge Volume (gal)
12:33	300	7.68	577	345	1.61	99	7.55	2.85	—
12:38		7.60	588	176	5.07	30	7.21	2.85	0.4
12:43		7.66	587	105	5.30	6	7.29	2.88	0.8
12:48		7.69	587	41	5.32	-6	7.32	2.88	1.2
12:53		7.71	587	24	5.33	-4	7.23	2.88	1.6
12:58		7.74	587	57	5.42	0	7.05	2.89	2.0
13:03		7.73	587	29	4.67	-2	7.36	2.94	2.4
13:08		7.74	587	29	4.53	-7	7.40	2.95	2.8
13:13		7.76	586	30	4.77	-5	7.34	2.95	3.2
13:18		7.77	586	30	4.68	-6	7.09	2.95	3.6

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed — 2/26/04 Date

[signature] — QC'd By — 3/8/04 Date

RMT

WATER SAMPLE LOG

Sheet 35 of 40

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/25/04	SAMPLE TIME: 14:32

WELL INFORMATION	WELL ID: MW 11(D)	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 4.66	TOTAL DEPTH: 157	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: none	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: low flow (use purge form)	
SAMPLING PUMP: QED bladder	PNEUMATIC SOURCE	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: PE	TUBING CONDITION: good	HOW STORED: in well
WATER QUALITY METER TYPE: MP20 flow cell	CALIBRATION DATE / TIME 2/25/04 7:45	

SAMPLE DESCRIPTION	COLOR: Clear	ODOR: none
FINAL D.O. 2.40 UNITS mg/L	FINAL ORP 91 UNITS mV	FINAL TURBIDITY: 1
FINAL PH: 8.07	FINAL COND. 204	FINAL TEMP.: 7.09
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: —

BOTTLES FILLED:

*PRESERVATIVE CODES: A - None B – HNO3 C - H_2SO_4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
~~sl 3~~	~~40mL~~	~~VOA~~	~~E~~	~~☐Y ☐N~~					☐Y ☐N
sl 2 1	500mL	amber	F	☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 0047340 DATE SHIPPED: 2/26/04 METHOD: courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

MA 3/8/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW11(D)

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 2/25/04

SAMPLER: JO/SL

Type of pump used: Submersible bladder

Pumping rate (milliliters/minute): 300

Water level before purging (nearest 0.01 ft. below reference point) 4.65 + T/

Depth to bottom of well (obtained from well logs) 157 + T/

Calculated volume of water in casing 24.83

Weather conditions 35°, sunny, windy

Time (24 hr)	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L or %)	ORP (mV)	Temp (°C)	Water Level (0.01 ft)	Cumulative Purge Volume (gal)
14:07	300	9.02	232	2	4.30	80	4.14	4.65	–
14:12	↓	8.34	203	1	2.56	83	6.40	4.70	0.4
1417		8.68	204	1	2.67	83	6.79	4.73	0.8
1422		7.99	204	1	2.52	84	7.14	4.80	1.2
1427		8.08	204	1	2.49	89	6.98	4.77	1.6
1432		8.07	204	1	2.40	91	7.09	4.78	2.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed

2/26/04 — Date

M. Altomare — QC'd By

3/8/04 — Date

RMT

WATER SAMPLE LOG

PROJECT INFORMATION	PROJECT NAME: L.E. Carpenter	EVENT NAME: 1st Quarter, 2004 Sampling
SAMPLER NAME 1: J. Overvoorde	SAMPLER NAME 2: S. Lapka	PROJECT NO: 00-06527.02
SITE LOCATION: Wharton, NJ	SAMPLE DATE: 2/25/04	SAMPLE TIME: 15:50

WELL INFORMATION	WELL ID: MW4	WELL DIAMETER: 2"
WELL MATERIAL: SS	WELL CONDITIONS: good	
STATIC WATER LEVEL: 6.14	TOTAL DEPTH: 27	
FREE PRODUCT: ☐ SHEEN ☐ MEAS. THICKNESS: none	☐ EQUIP. COATING ☐ PURGE WATER	

SAMPLE METHOD	PURGE METHOD: low flow (use purge form)	
SAMPLING PUMP: QED bladder	PNEUMATIC SOURCE portable compressor	
BLADDER TYPE: PE (new / used)		
TUBING TYPE: PE	TUBING CONDITION: poor	HOW STORED: in well
WATER QUALITY METER TYPE: MP20 flow cell	CALIBRATION DATE / TIME 2/25/04 7:45	

SAMPLE DESCRIPTION	COLOR: clear	ODOR: none
FINAL D.O. 3.82 UNITS mg/L	FINAL ORP 65 UNITS mV	FINAL TURBIDITY: 3
FINAL PH: 7.64	FINAL COND. 630	FINAL TEMP.: 3.29
COMMENTS: none		

SAMPLE FILTRATION	FILTER TYPE / SIZE / DESCRIPTION: NA
FILTER METALS SAMPLE ONLY	COLOR AFTER FILTRATION: —

BOTTLES FILLED

PRESERVATIVE CODES: A - None B – HNO3 C - H2SO4 D - NaOH E - HCL F- $Na_2S_2O_3$

Number	Size	Type	Preservative*	Filtered	Number	Size	Type	Preservative*	Filtered
3	40mL	VOA	E	☐Y ☒N					☐Y ☐N
2	500mL	amber	F	☐Y ☒N					☐Y ☐N
				☐Y ☐N					☐Y ☐N
				☐Y ☐N					☐Y ☐N

CHAIN-OF-CUSTODY NUMBER: 0047340 DATE SHIPPED: 2/26/04 METHOD: Courier

AIRBILL NUMBER: NA SIGNED: Sarah Lapka DATE: 2/26/04

RMT

LOW-FLOW GROUNDWATER SAMPLING STABILIZATION LOG

PROJECT NAME: LEC

WELL NUMBER: MW4

PROJECT NUMBER: 00-06527.02

WELL DIAMETER: 2"

DATE: 2/25/04

SAMPLER: JO/SL

Type of pump used: Submersible bladder

Pumping rate (milliliters/minute): 300

Water level before purging (nearest 0.01 ft. below reference point) 6.21 + T/

Depth to bottom of well (obtained from well logs) 27 + T/

Calculated volume of water in casing 3.39

Weather conditions 35°, Sunny, cold, windy

Time	Purge Rate (ml/min)	pH (SU)	Conductivity (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L or %)	ORP mV	Temp (°C)	Water Level (0.01 ft)	Cumulative Purge Volume (gal)
15:05	300	7.58	582	75	5.03	80	4.37	6.21	—
15:10	↓	7.65	596	48	3.80	49	4.28	6.24	0.4
15:15		7.42	613	23	4.65	66	2.67	6.24	0.8
15:20		7.58	618	19	3.67	81	2.96	6.24	1.2
15:25		7.61	629	20	3.44	79	2.41	6.24	1.6
15:30		7.52	629	9	3.68	84	2.74	6.24	2.0
15:35		7.58	630	7	3.87	81	2.72	6.24	2.4
15:40		7.63	629	3	3.89	71	3.08	6.24	2.8
15:45		7.64	630	3	3.82	65	3.29	6.24	3.2
15:50	↓								

NOTE: STABILIZATION TEST IS COMPLETE WHEN A MINIMUM OF 5 READINGS HAVE BEEN RECORDED AND 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH - ±0.1 SU; COND. - ±5%; TEMP (CORRECTED) - ±0.5°C; TURBIDITY ±10%; DO ±10%; ORP ±20 mV

Sarah Lapka — Signed

2/26/04 — Date

Y/ Altamuro — QC'd By

7/8/04 — Date

Analysis Request / Environmental Services Chain of Custody

39/40

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 0047341

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: RMT Inc Acct. #: _____
Project Name/#: LE Carpenter PWSID #: _____
Project Manager: Nick Crevett P.O.#: _____
Sampler: Sarah Lapka / Jennifer Overvoorde Quote #: _____
Name of state where samples were collected: NJ

For Lab Use Only
FSC: _____
SCR #: _____

(2)

Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix (4) Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	(5) Analyses Requested: BTEX	DEHP								Remarks (6) Temperature of samples upon receipt (if requested)
SW-8	2/24/04	9:54	✓			✓		5	✓	✓								
SW-5		10:12	✓			✓		5	✓	✓								
SW-7		10:20	✓			✓		5	✓	✓								
MW-21		12:15	✓			✓		5	✓	✓								
MW-25		14:35	✓			✓		5	✓	✓								
MW-14S		16:18	✓			✓		5	✓	✓								
MW-14I		17:58	✓			✓		5	✓	✓								
MW15I	2/25/04	8:30	✓			✓		5	✓	✓								
MW15S		10:00	✓			✓		5	✓	✓								
MW17S		11:15	✓			✓		5	✓	✓								

(7) **Turnaround Time Requested (TAT) (please circle):** Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: _____ Fax #: _____
E-mail address: _____

(8) **Data Package Options** (please circle if required)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No
Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Sarah Lapka	2/26/04	12:00	[signature]	02/26/04	12:50
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request / Environmental Services Chain of Custody

40/40

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Acct. #_____ Group#_____ Sample #_____

COC # 0047340

Please print. Instructions on reverse side correspond with circled numbers.

(1)

Client: RMT, INC Acct. #:

Project Name/#: LE Carpenter PWSID #:

Project Manager: Nick Clough P.O.#:

Sampler: [illegible] / [illegible] Quote #:

Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #: 1187368

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX	DEHP								Remarks	Temperature of samples upon receipt (if requested)
MW22 (R)	2/25/04	13:18	✓			✓		5	✓	✓									
MW11 (D)		14:32	✓			✓		1		✓									
MW4		15:45	✓			✓		4	✓	✓									
Field Blank		11:25	✓			✓		5	✓	✓									
RINSATE 01		11:45	✓			✓		5	✓	✓									
DUP 01			✓			✓		5	✓	✓									
Trip Blank			✓			✓		3	✓	✓									

(7)

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: _____ Fax #: _____
E-mail address: _____

(8)

Data Package Options (please circle if required)

QC Summary — Type VI (Raw Data)
Type I (Tier I) — GLP
Type II (Tier II) — Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

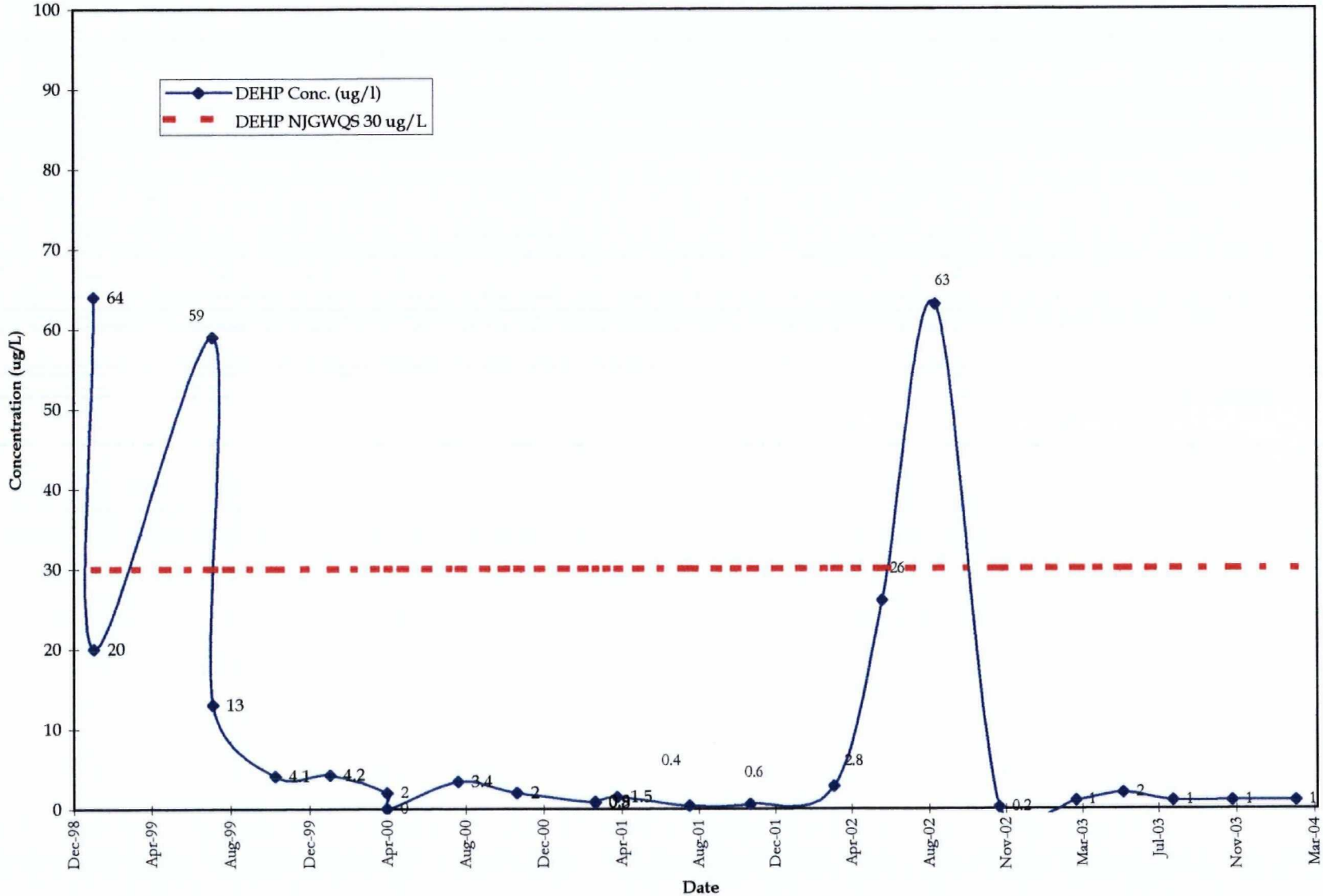
Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	2/26/04	1120			
Sarah Kapka	2/26/04	12:00	[illegible]	2/26/04	1200

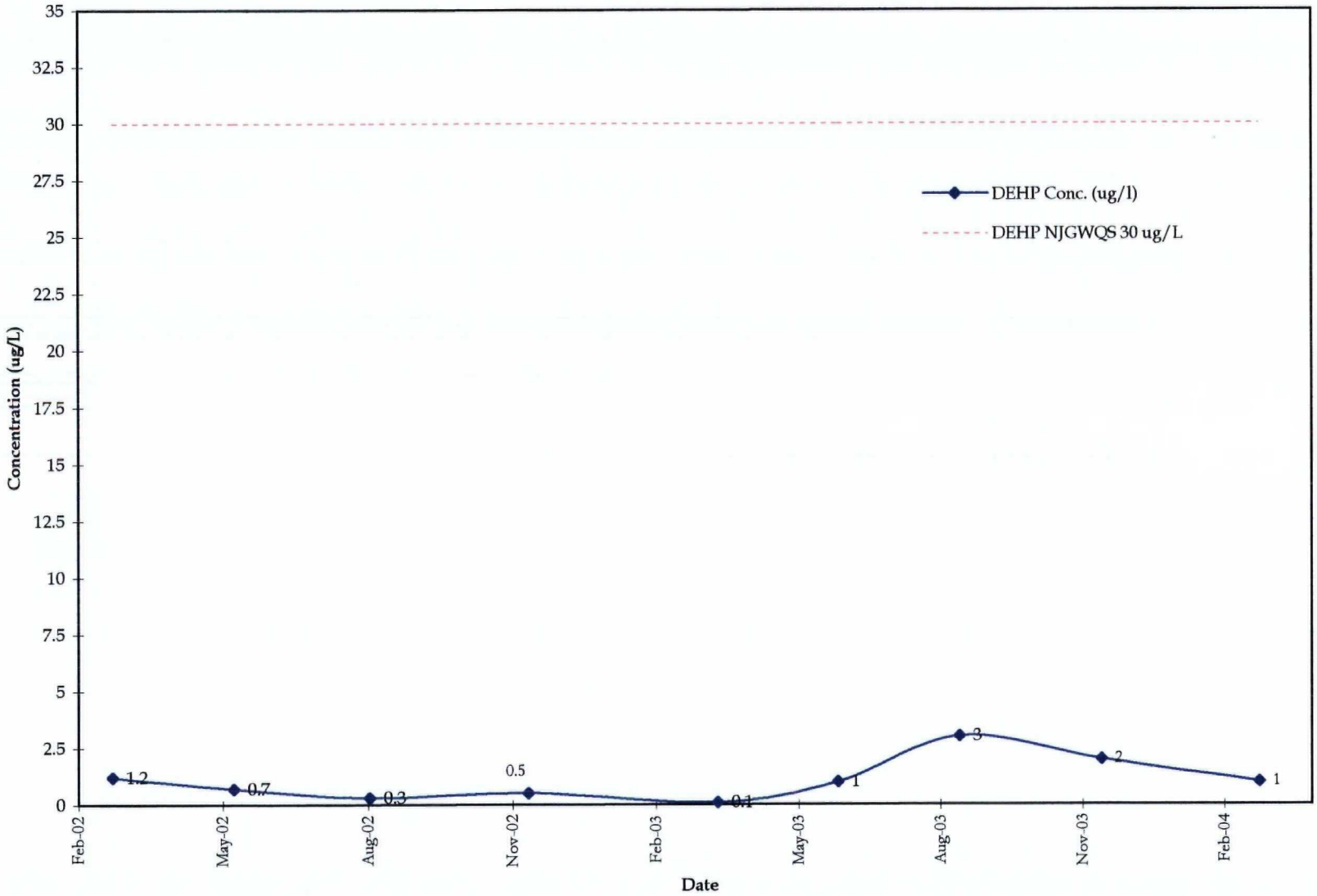
Appendix D
Groundwater Concentration Trend Analysis

MW-11DR DEHP Concentration Trend



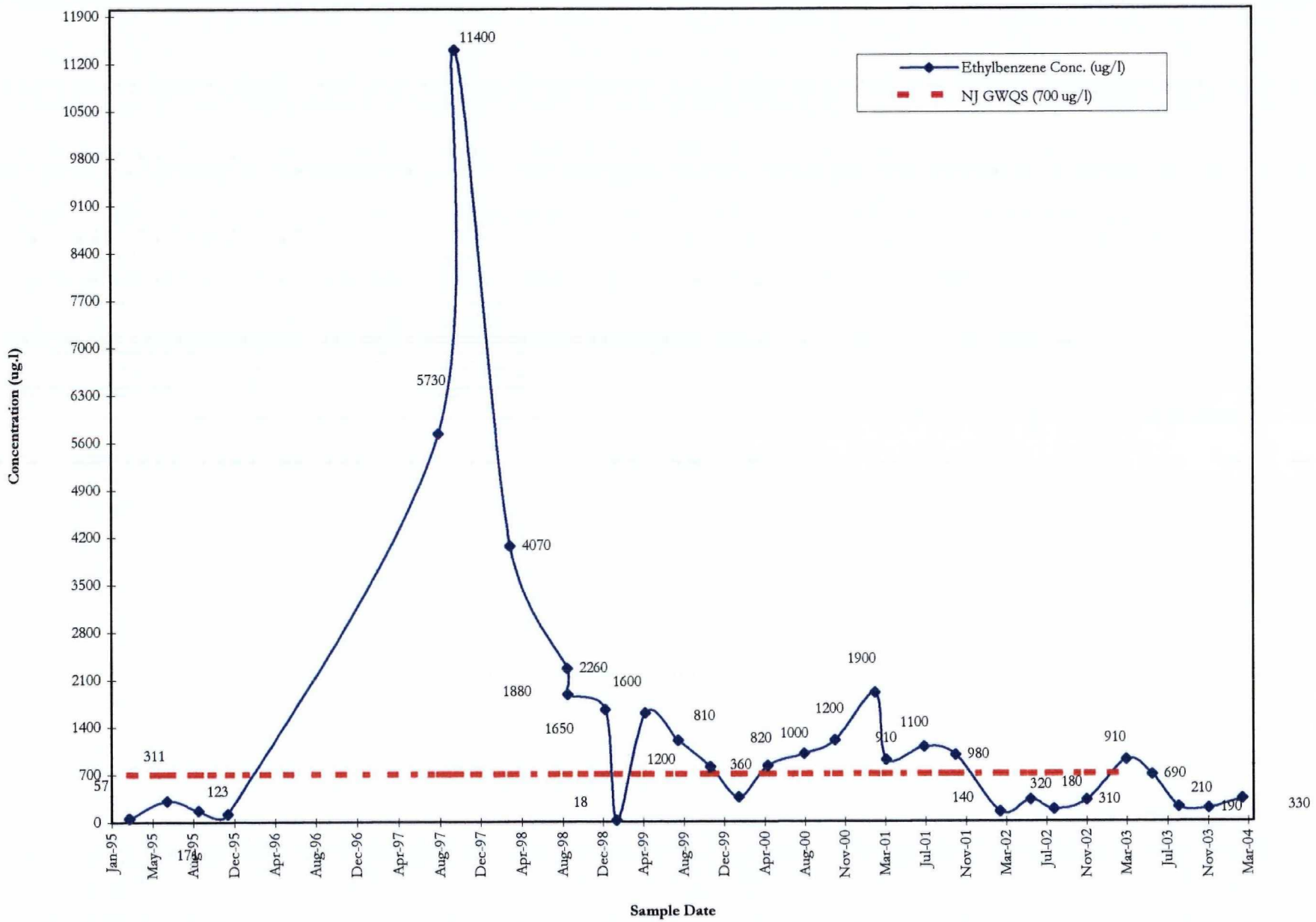
Appendix D-1 MW-11DR Trend Chart 1

MW-14S DEHP Concentration Trend

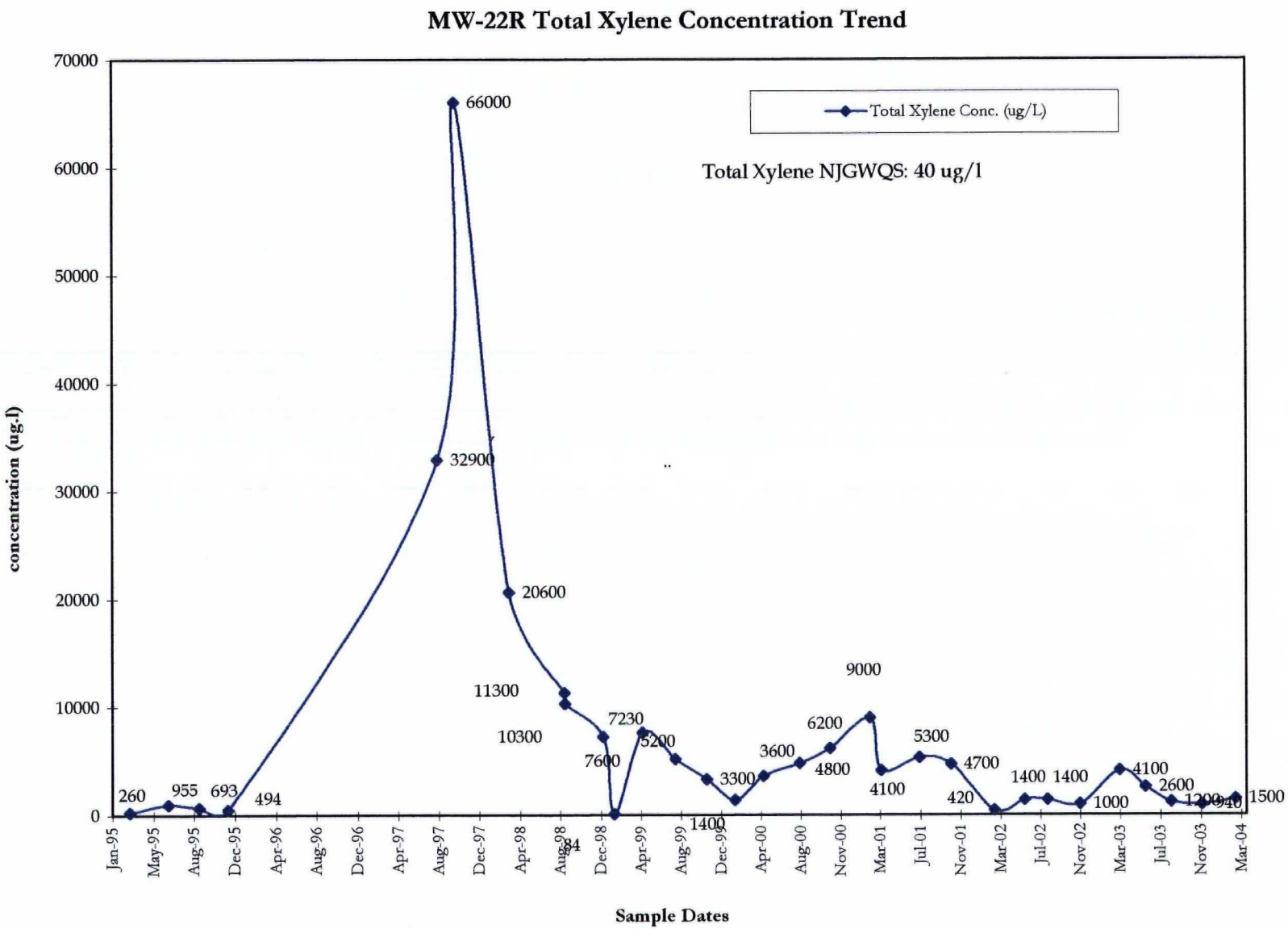


Appendix D-2 MW-14S Trend Chart 1

MW-22R Ethylebenzene Concentraion Trend

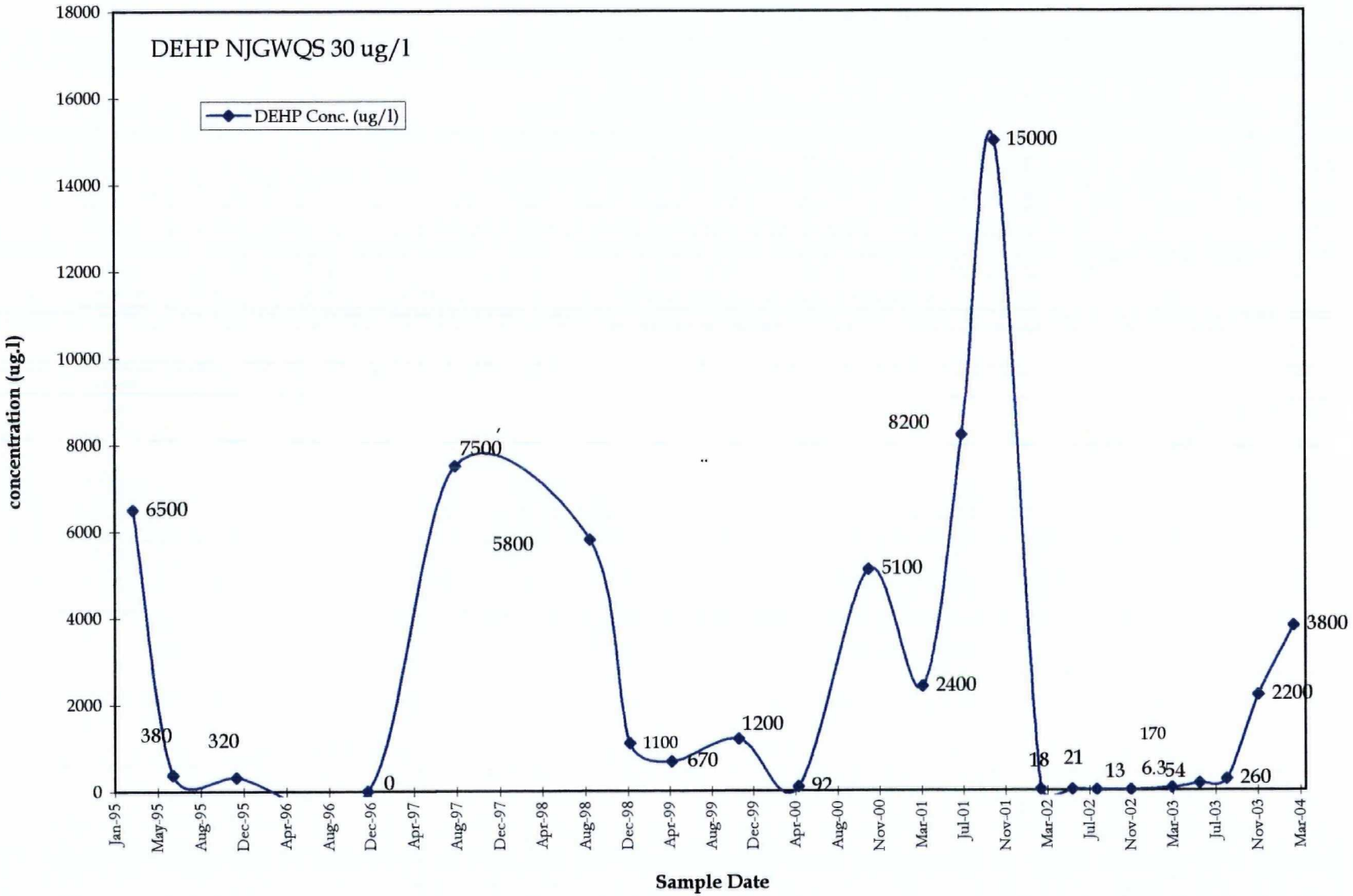


Appendix D-3 MW-22(R) Trend Chart 1



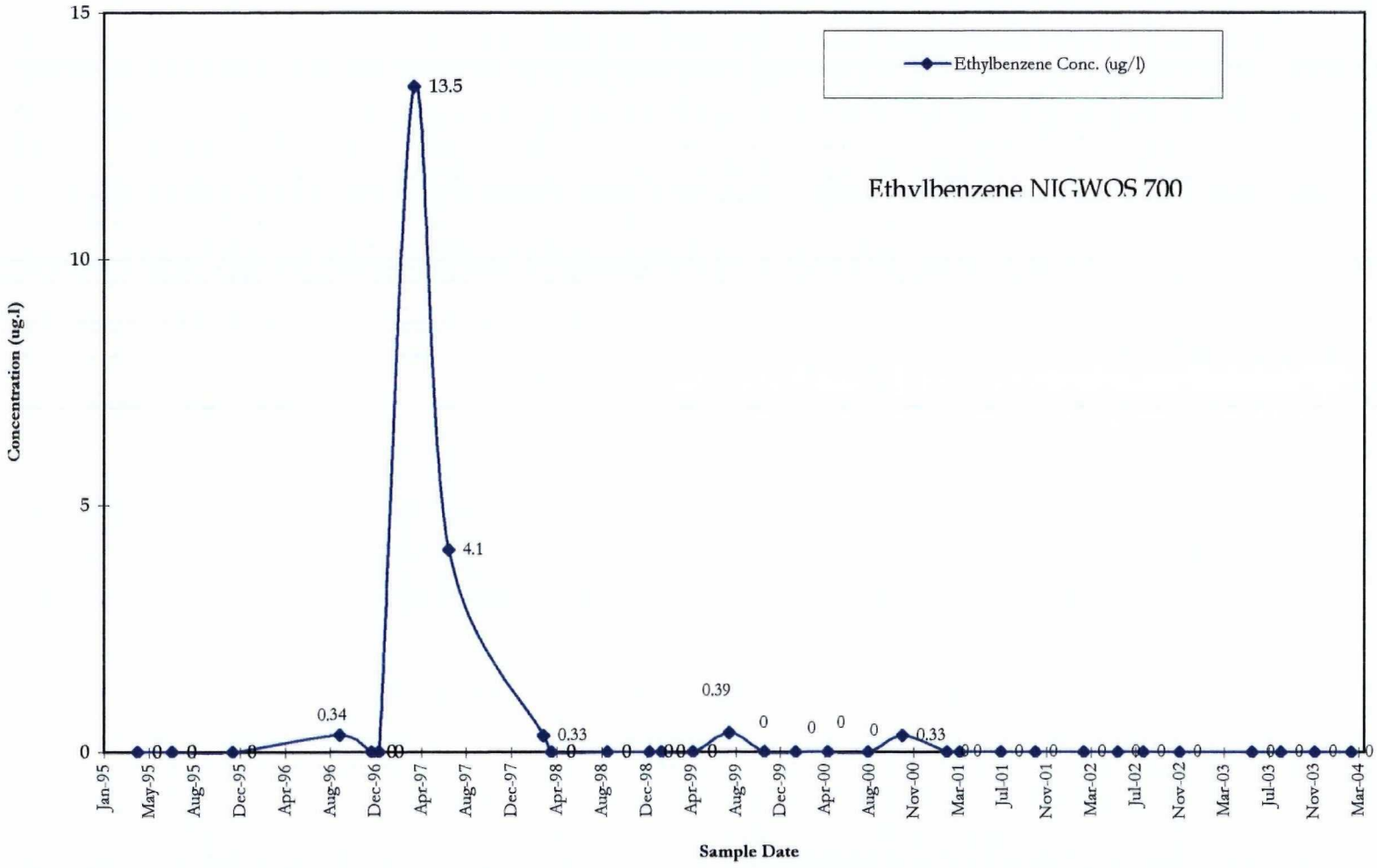
Appendix D-3 MW-22(R) Trend Chart 2

MW-22R DEHP Concentration Trend



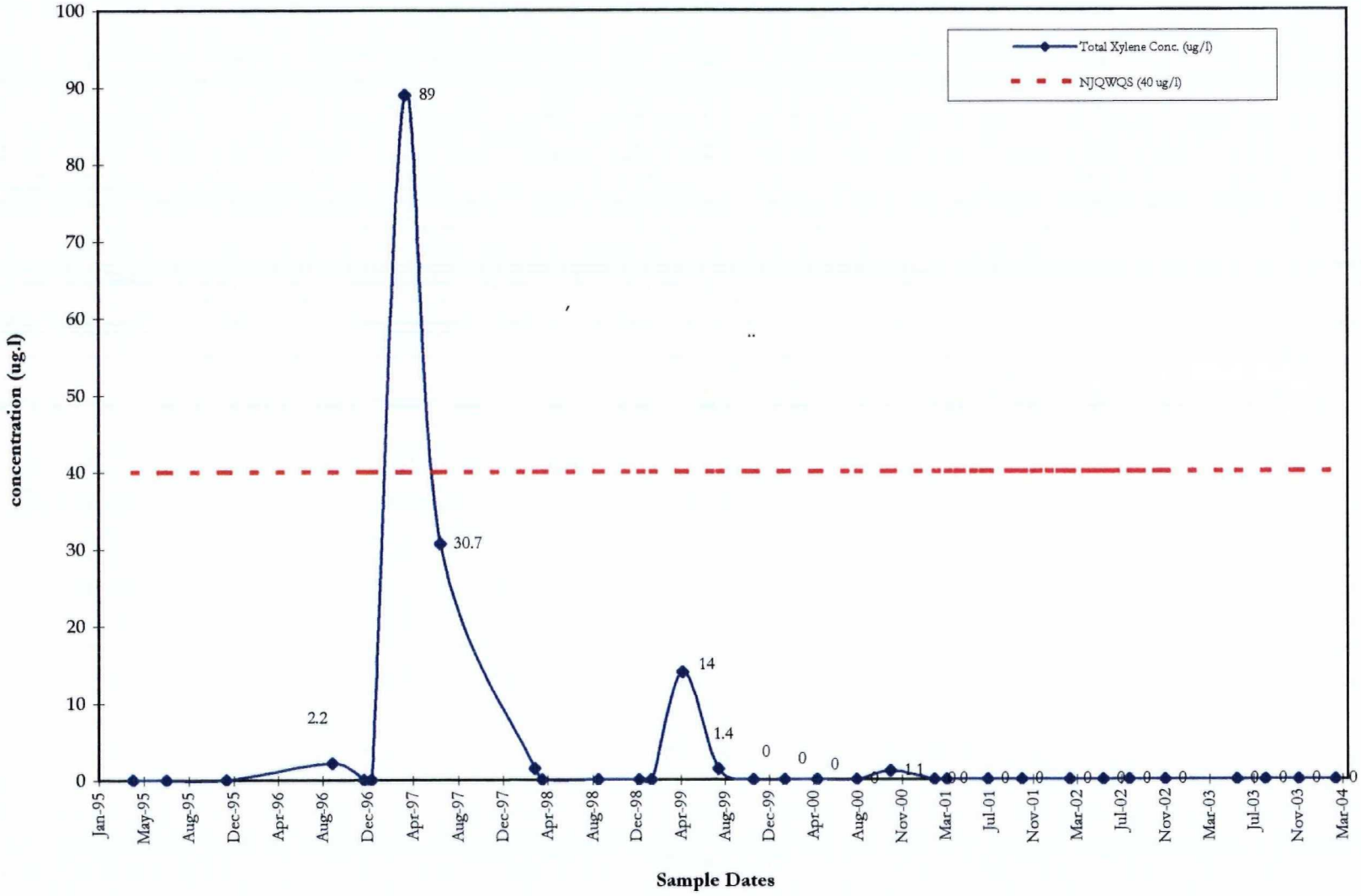
Appendix D-3 MW-22(R) Trend Chart 3

MW-25R Ethylebenzene Concentration Trend



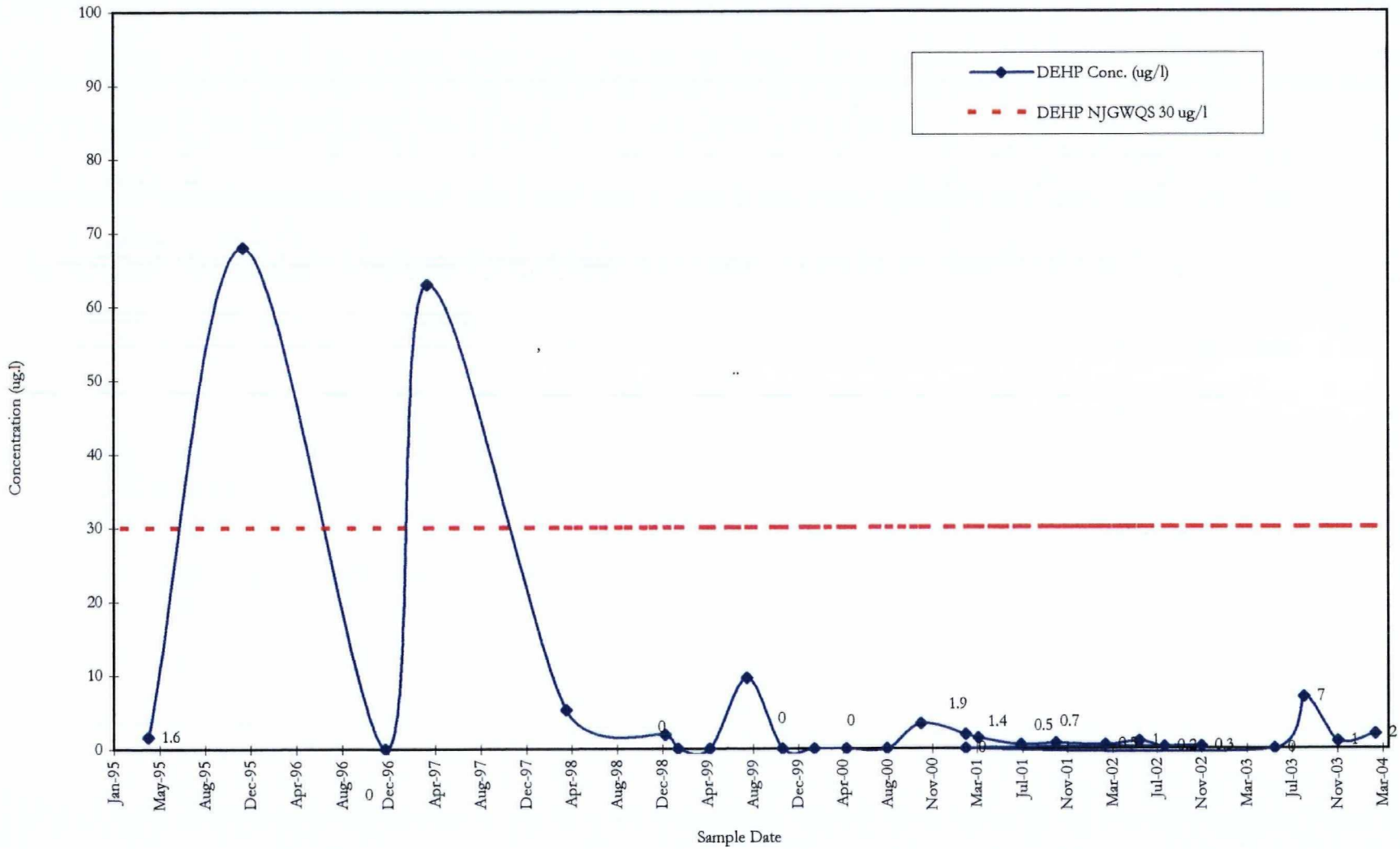
Appendix D-4 MW-25R Trend Chart 1

MW-25R Total Xylene Concentration Trend



Appendix D-4 MW-25R Trend Chart 2

MW-25R DEHP Concentration Trend



Appendix D-4 MW-25R Trend Chart 3

Appendix E
1st Quarter 2004
Laboratory Analytical Report

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 886200. Samples arrived at the laboratory on Thursday, February 26, 2004. The PO# for this group is 6527.02.

Client Description	Lancaster Labs Number
SW-8 Grab Water Sample	4223795
SW-5 Grab Water Sample	4223796
SW-7 Grab Water Sample	4223797
MW-21 Grab Water Sample	4223798
MW-25 Grab Water Sample	4223799
MW-14S Grab Water Sample	4223800
MW-14I Grab Water Sample	4223801
MW-15I Grab Water Sample	4223802
MW-15S Grab Water Sample	4223803
MW-17S Grab Water Sample	4223804
MW-22(R) Grab Water Sample	4223805
MW-11(D) Grab Water Sample	4223806
MW-4 Grab Water Sample	4223807
Field Blank Grab Water Sample	4223808
Rinsate-01 Grab Water Sample	4223809
DUP-01 Grab Water Sample	4223810
Trip Blank Water Sample	4223811

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO	RMT, Inc.	Attn: Mr. Nicholas J. Clevett
1 COPY TO	Data Package Group	

Lancaster Laboratories

Questions? Contact your Client Services Representative
Jeffrey S Moyer at (717) 656-2300.

Respectfully Submitted,

Tina L. Thoman
Senior Chemist/Coordinator

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223795

SW-8 Grab Water Sample
L.E. Carpenter, NJ

Collected:02/24/2004 09:54 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW8-- SDG#: LEC08-01

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	6.8		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	0.8	J	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilutic Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 08:38	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 03:18	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

MEMBER ACIL

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223796

SW-5 Grab Water Sample
L.E. Carpenter, NJ

Collected:02/24/2004 10:12 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW5-- SDG#: LEC08-02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	1.9	J	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	0.3	J	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	2.	J	1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilutic Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 09:11	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 04:00	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223797

SW-7 Grab Water Sample
L.E. Carpenter, NJ

Collected:02/24/2004 10:20 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW7-- SDG#: LEC08-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 09:44	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 04:41	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223798

MW-21 Grab Water Sample
L.E. Carpenter, NJ

Collected:02/24/2004 12:15 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

M21-- SDG#: LEC08-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilutio Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 10:17	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 05:23	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223799

MW-25 Grab Water Sample
L.E. Carpenter, NJ

Collected:02/24/2004 14:35 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

M2S-- SDG#: LEC08-05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	0.2	J	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	2.	J	1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 10:50	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 06:05	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

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Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223800

MW-14S Grab Water Sample
L.E. Carpenter, NJ

Collected:02/24/2004 16:18 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

M14S- SDG#: LEC08-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 11:23	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 06:46	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223801

MW-14I Grab Water Sample
L.E. Carpenter, NJ

Collected:02/24/2004 17:58 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

-M14I SDG#: LEC08-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 11:56	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 07:28	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223802

MW-15I Grab Water Sample
L.E. Carpenter, NJ

Collected:02/25/2004 08:30 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

-M15I SDG#: LEC08-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 12:29	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 08:09	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223803

MW-15S Grab Water Sample
L.E. Carpenter, NJ

Collected:02/25/2004 10:00 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

-M15S SDG#: LEC08-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 15:29	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 17:06	Linda M Hartenstine	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223804

MW-17S Grab Water Sample
L.E. Carpenter, NJ

Collected:02/25/2004 11:15 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
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-M17S SDG#: LEC08-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 16:02	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 09:31	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223805

MW-22(R) Grab Water Sample
L.E. Carpenter, NJ

Collected:02/25/2004 13:18 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
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-M22R SDG#: LEC08-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	1,500.	3.0	ug/l	5
07029	Benzene	71-43-2	N.D.	1.0	ug/l	5
07030	Toluene	108-88-3	N.D.	1.0	ug/l	5
07031	Ethylbenzene	100-41-4	330.	1.0	ug/l	5

Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	3,800.	39.	ug/l	40

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 19:53	Linda C Pape	5
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 16:25	Linda M Hartenstine	40
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223805

MW-22(R) Grab Water Sample
L.E. Carpenter, NJ

Collected:02/25/2004 13:18 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

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-M22R SDG#: LEC08-11

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223806

MW-11(D) Grab Water Sample
L.E. Carpenter, NJ

Collected:02/25/2004 14:32 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

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-M11D SDG#: LEC08-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilutic Factor
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 10:53	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223807

MW-4 Grab Water Sample
L.E. Carpenter, NJ

Collected:02/25/2004 15:45 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:21
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

--M4- SDG#: LEC08-13

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	0.6	J	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
00554	Base Neutrals (cont)						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	28.		1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 18:14	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 11:35	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223808

Field Blank Grab Water Sample
L.E. Carpenter, NJ

Collected:02/25/2004 11:25 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:22
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

FBLEC SDG#: LEC08-14FB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilutic Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 07:33	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 12:16	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223809

Rinsate-01 Grab Water Sample
L.E. Carpenter, NJ

Collected:02/25/2004 11:45 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:22
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

RBLEC SDG#: LEC08-15RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilutic Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 18:47	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/03/2004 12:46	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	03/02/2004 15:45	Andrew G Newton	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223810

DUP-01 Grab Water Sample
L.E. Carpenter, NJ

Collected:02/25/2004 by SL

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:22
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

DPLEC SDG#: LEC08-16FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilutio Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 19:20	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 12:57	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4223811

Trip Blank Water Sample
L.E. Carpenter, NJ

Collected: n.a.

Account Number: 09322

Submitted: 02/26/2004 14:40
Reported: 03/10/2004 at 14:22
Discard: 04/10/2004

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

TBLEC SDG#: LEC08-17TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
	Sufficient sample volume was not available to perform a MSD for this analysis. However, a MS was performed. In addition, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
00554	Base Neutrals (cont)					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1
	Sufficient sample volume was not available to perform a MS/MSD for this analysis. Therefore, a LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of New Jersey Lab Certification No. PA011

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	02/27/2004 08:05	Linda C Pape	1
00554	Base Neutrals (cont)	EPA 625	1	03/02/2004 13:38	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	03/01/2004 09:00	Zachary S Dennis	1

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 886200
Reported: 03/10/04 at 02:22 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04058A36A	Sample number(s): 4223795-4223805,4223807-4223811							
Total Xylenes	N.D.	0.6	ug/l	102	94	82-120	8	30
Benzene	N.D.	0.2	ug/l	103	94	79-123	8	30
Toluene	N.D.	0.2	ug/l	104	96	82-119	8	30
Ethylbenzene	N.D.	0.2	ug/l	101	92	81-119	8	30
Batch number: 04059WAG625	Sample number(s): 4223795-4223808,4223810-4223811							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	76	75	74-114	1	30
Batch number: 04062WAA625	Sample number(s): 4223809							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	77	83	74-114	7	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04058A36A	Sample number(s): 4223795-4223805,4223807-4223811								
Total Xylenes	113		78-130						
Benzene	114		67-136						
Toluene	112		78-129						
Ethylbenzene	112		75-133						

Surrogate Quality Control

Analysis Name: BTEX (EPA 602)
Batch number: 04058A36A

	Trifluorotoluene-P
4223795	100
4223796	101
4223797	101

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Quality Control Summary

Client Name: RMT, Inc. Group Number: 886200
Reported: 03/10/04 at 02:22 PM

Surrogate Quality Control

4223798	101
4223799	102
4223800	101
4223801	99
4223802	102
4223803	100
4223804	102
4223805	99
4223807	101
4223808	103
4223809	100
4223810	102
4223811	101
Blank	101
LCS	102
LCSD	102
MS	102
Limits:	66-136

Analysis Name: Base Neutrals
Batch number: 04059WAG625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4223795	80	80	83
4223796	73	81	78
4223797	72	74	68
4223798	74	73	84
4223799	77	80	80
4223800	77	77	79
4223801	80	80	88
4223802	78	82	84
4223803	81	78	79
4223804	79	77	87
4223805	57	72	74
4223806	78	78	85
4223807	80	79	81
4223808	79	81	86
4223810	75	75	81
4223811	77	81	92
Blank	80	75	85
LCS	84	84	78
LCSD	82	81	78
Limits:	50-124	64-122	33-149

Analysis Name: Base Neutrals
Batch number: 04062WAA625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4223809	80	83	81

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 886200
Reported: 03/10/04 at 02:22 PM

Surrogate Quality Control

Blank	82	75	78
LCS	82	83	82
LCSD	79	81	85
Limits:	50-124	64-122	33-149

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Analysis Request / Environmental Services Chain of Custody

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Where quality is a science.

For Lancaster Laboratories use only
Acct. # 9322 Group# 886200 Sample # 4223795-811

COC # 0047341

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: RMT, Inc Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Nick Clevett P.O.#:
Sampler: Sarah Lapka / Jennifer Overvoorde Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX	DEHP							Remarks
SW-8	2/24/04	9:54	✓			✓		5	✓	✓							
SW-5		10:12	✓			✓		5	✓	✓							
SW-7		10:20	✓			✓		5	✓	✓							
MW-21		12:15	✓			✓		5	✓	✓							
MW-2S		14:35	✓			✓		5	✓	✓							
MW-14S		16:18	✓			✓		5	✓	✓							
MW-14I		17:58	✓			✓		5	✓	✓							
MW15I	2/25/04	8:30	✓			✓		5	✓	✓							
MW15S		10:00	✓			✓		5	✓	✓							
MW17S		11:15	✓			✓		5	✓	✓							

amc 2/25/04
temp 2-4°C

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

(8) **Data Package Options** (please circle if required)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No
Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Sarah Lapka	2/24/04	12:00	[signature]	02/26/04	1200
[signature]	02/26/04	1440			
			Jessica Barr	2/26/04	1440

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

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Analysis Request / Environmental Services Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. # 9327 Group# 886200 Sample # 4223795-811

COC # 0047340

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: RMT, Inc Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Nick Clevett P.O.#:
Sampler: Sarah Lapka / Jennifer Overvoorde Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #: 1187368

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX	DEHP							Remarks
MW22 (R)	2/25/04	13:18	✓			✓		5	✓	✓							
MW11 (D)		14:32	✓			✓		1		✓							
MW4		15:45	✓			✓		4	✓	✓							
Field Blank		11:25	✓			✓		5	✓	✓							
Rinsate 01		11:45	✓			✓		5	✓	✓							
Dup 01			✓			✓		5	✓	✓							
Trip Blank			✓			✓		3	✓	✓							

amc 2/25/04
temp 2-4°C

(7) Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

(8) Data Package Options (please circle if required)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No
Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	2/4/04	1120			
Sarah Lapka	2/26/04	12:00	[signature]	2/26/04	200
[signature]	2/26/04	1440			
			Jessica Barm	2/26/04	1440

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