US EPA ARCHIVE DOCUMENT

APPENDIX M

PERMITTED GROUNDWATER MONITORING PLAN

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812.317 –GROUNDWATER MONITORING PROGRAM

812.317.1 Introduction

After considering the design, geology, and hydrogeology of the proposed Clinton Landfill No. 3 facility and the results of the Groundwater Impact Assessment, a Groundwater Monitoring Plan has been developed to meet the requirements of 35 IAC 812.317.

812.317.2 General Hydrogeologic Setting

Boring and monitor well programs were conducted at the facility to define the hydrogeologic characteristics directly adjacent to and beneath the site. These programs consisted of a total of 29 soil borings on the proposed expansion area and corroborating data from the existing Clinton Landfill No. 2 facility. Existing material properties data includes hydraulic conductivity (slug and laboratory testing), density, porosity, grain size distribution, and Atterburg Limits. Test data results are provided in Appendix 812.305-A in Section 812.305. Hydraulic conductivity test results are summarized in Table 812.314-1.

A detailed description of the hydrogeologic conditions at the site is provided in Section 812.314. Geologic cross sections are presented on Drawing Nos. P-XS1 through P-XS8 (full size drawings attached). A brief summary of the hydrogeologic conditions at the site is provided in the following paragraphs.

The site geology consists of over 200 feet of glacial deposits. The glacial deposits are considered to be the upper-most aquifer at the site.

The glacial deposits consist primarily of silty clay and clayey silt, with hydraulic conductivities in the 10^{-9} centimeters per second (cm/sec) range within these clayey glacial deposits which are outwash deposits which consist of permeable sands and silts. Three geologic units have been identified as being potential migration pathways underneath the liner of the proposed Clinton Landfill No. 3 fill areas: the Upper Radnor Till Sand, the Lower Radnor Till Sand, and an Organic Soil. The Upper Radnor Till Sand zone,

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which underlies the proposed fill areas in the southeastern portion of the site has revealed a mean hydraulic conductivity of 5.57×10^{-5} cm/sec. The Lower Radnor Till Sand zone, which underlies most of the northern portion of the proposed site has revealed a mean hydraulic conductivity of 5.37×10^{-4} cm/sec. The Organic Soil zone, which underlies nearly the entire proposed site has revealed a mean hydraulic conductivity of 5.35×10^{-5} cm/sec.

Another potential migration pathway was identified at the proposed facility. Geologic investigations at the site reveal that an organic silt, the Roxana Silt-Robein Member, is present in most areas of the proposed landfill. As noted in Section 812.316, this organic silt is not a water-bearing unit and where encountered at the compacted earth liner subgrade, will be removed to the surface of the Berry Clay. The resulting over-excavation will be backfilled with compacted clay exhibiting a hydraulic conductivity no greater than 1×10^{-7} centimeters per second (cm/sec). The clay thickness above the sand unit is based on the average thickness of this unit underneath the liner of the landfill.

812.317.3 Location of Monitoring Points

A groundwater monitoring system will be installed to detect any contaminant plume which exceeds the groundwater quality standards prior to the plume reaching the edge of the zone of attenuation. To address spacing of the monitoring wells at the facility for the purposes of a proposed groundwater monitoring system, a computer-aided contaminant transport model was utilized. Presented herein is a discussion of the contaminant transport model, data input, sensitivity analysis of the computer model, and the resulting well spacing.

A. Model Assumptions

The modeling procedures used to assess well spacing are the same as those described for the groundwater impact assessment (Section 812.316), except that design failures are assumed in the model (i.e., the groundwater impact assessment assumes that the landfill design does not fail).

To simulate a design failure, a one-foot square breach in the liner was assumed near the downgradient edge of the landfill in the proposed Fill Areas. The location of the breach was determined by first finding

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the length of the invert in the flow length for each zone (i.e. Upper and Lower Radnor Till Sands and Organic Soil). Each invert flow length was then multiplied by 0.05, or, in essence, calculating 5% of the invert length for each zone. The source was then positioned at a distance of 5% of the length of the invert away (upgradient) from the downgradient invert (see Figures 812.317-1 through 812.317-3). In addition, a design failure was simulated at the center of the landfill for each zone.

B. Mathematical Model

An analytical contaminant transport computer model that would adequately represent contaminant transport is PLUME, by van der Heijde (1991). This model provides for:

- calculating point concentrations from continuous source
- two or three dimensional transport
- retardation of non-conservative constituents

he assumptions inherent in PLUME are:

1) Contaminant transport is governed by the two-dimensional or three-dimensional advection/dispersion equation within a porous medium.

2) The two-dimensional dispersion of a solute through a porous medium with unidirectional flow; constant dispersion coefficients, porosity, and ionic equilibrium distribution coefficients is governed by the equations provided in Appendix 812.317-A as described by Codell et al. (1982).

3) Physical parameters do not vary with position.

4) The source was modeled as a constant source surface boundary condition. This approach assumes uniform leachate contaminant concentrations within the landfill.

5) All lateral distances are measured with respect to the release point on a user-specified grid pattern. The release point on was assumed to be at the coordinates (0,0), or at the origin of the grid. Figures 812.317-1 through 812.317-3 are presented to show the simulated release point for

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the proposed Fill Area for each zone (i.e. Upper and Lower Radnor Till Sands and Organic Soil).

C. Model Input

Model input parameters for the most part have been determined from site specific data. The parameters include hydraulic conductivity and thickness of units. Parameters that are not site specific are taken from literature values for comparable materials. All input parameters for PLUME are the same as those used in the groundwater impact assessment (see Section 812.316) with the exception of the values for dispersivity. The dispersivity values for each zone are based upon the flow distance; which have changed in the modeling scenarios. The mean statistical limit of Nueman's method was utilized in calculating the dispersivity. No adsorption was considered in the modeling scenarios.

D. Sensitivity Analysis

Sensitivity analysis was performed over a reasonable range of values on all input parameters that were not site specific. These parameters included the internal model parameters for the PLUME model and external values that the user must enter. Appendix 812.317-B contains a list of the computer files and input parameters for the sensitivity analysis for each zone. Electronic copies of the output files are provided on a compact disk in Appendix 812.317 - B.

E. Internal Sensitivity Analysis

The internal parameters that the PLUME model offers the user are: 1) size of line source (size of simulated breach in liner) and 2) number of pulse divisions (integration intervals).

Variations in the size of the line source showed little change in the model results. Values of 0.25 feet to 10 feet had virtually no effect on the model results. Variations in the number of pulse divisions also showed very little change in the model results. Values ranging from 5 - 150 were assessed to determine the sensitivity of this parameter. Lower values revealed slightly lower results while higher values revealed slightly higher results. The model documentation recommended using values between 25 and 50. However, when running the model, some of the simulations required lower divisions of pulse to

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complete the simulations. When more pulse divisions were needed, the model revealed an error message. Values of 45 were used in the baseline model and for simulations requiring more pulse divisions; just enough pulse divisions were used to complete the simulation.

F. External Sensitivity Analysis

External input values for the model for the most part were site specific values. These values included velocity, aquifer thickness, effective porosity, and dispersivity. Justification for these parameters is included in Section 812.316. Variations in these parameters were input into the model to determine their effect on the model results.

Variations in the aquifer thickness revealed results as would be expected; that is, the greater the thickness of the aquifer, the lower the concentrations. Variations in the dispersivity values revealed higher ncentrations with increasing values as would be expected. Variations in the effective porosity values)vealed a general decrease in concentrations with higher values.

G. Predicted Well Spacing

To assess the predicted well spacing, the user-defined grid and the results of the simulations were plotted on a facility map at the simulated release points 5 percent of the invert length upgradient from the downgradient edge of the invert. The simulations used in the plotted grid were those that revealed a predicted concentration of 0.1 to 5.0 parts per million (ppm) in the center of the zone of attenuation in the Upper Radnor Till Sand. For the Lower Radnor Till Sand, the simulations used in the plotted grid were those that revealed a predicted concentration of 0.01 to 3.0 ppm. For the Organic Soil, the simulations used in the plotted grid were those that revealed a predicted concentration of 0.001 to 100 ppm. These predicted concentrations were then contoured to show lines of equal concentrations. The distance between these contour intervals within the zone of attenuation were then measured across their outer edges. The measured values of the simulations at 5 percent of the invert length release point revealed distances of approximately 300, 423, and 383 feet in the Upper Radnor Till Sand, Lower Radnor Till Sand, and Organic Soil, respectively, for the proposed Fill Areas. Figures 812.317-1 through 812.317-3 re provided to show these measured widths at the waste boundary for each zone. The values for the

simulation at the center of the landfill release point revealed that the plume did not reach the zone of attenuation within the 145-year modeling period in any zone.

The distance across these contour intervals, as shown on Figures 812.317-1 through 812.317-3, reveals the size of the simulated plume is highly dependent on the geology and hydrogeology at the site. Clinton Landfill is proposing well spacing of 250 feet perpendicular to the generalized groundwater flow direction at the facility. Drawing P-GWMP (full size drawing attached) shows the proposed 250-foot well spacing and phasing plan for the facility. This network of monitoring wells and respective spacing should detect any discharge of contaminants prior to the contaminants reaching the edge of the zone of attenuation.

H. Monitoring Well Network

As detailed in Section 812.318 of the permit application, it is not feasible nor environmentally sound to phase the landfill expansion from the downgradient edge toward the upgradient direction. In order to meet the requirements of 35 IAC 811.318 (b), the groundwater monitoring well network will utilize both permanent and temporary wells to maintain the required monitoring network within the zone of attenuation. Consistent with the existing Clinton Landfill, Inc. permits, wells will be installed so that samples may be collected and analyzed at least once before waste is placed in the cell the well is monitoring. Well G40M (Lower Radnor Till zone) will be permanently installed prior to waste placement in Cell C1 in accordance with Condition No. 6 of the DeWitt County siting approval agreement These wells will be sampled at least once prior to waste placement in Cell C1. The monitoring wells, including screened intervals, that will be utilized for each Operating Phase are summarized in Table 812.317-1. The screened intervals were selected to monitor the stratigraphic horizons considered to be the primary potential contaminant migration pathways. Well locations are shown on Drawing P-GWMP (full size drawing attached). Monitoring wells are designated as zone of attenuation wells and will be located at the edge of the downgradient zone of attenuation. These wells will be used to monitor any statistically significant increase in the concentration of any constituent in accordance with 35 IAC 811.320 (e) and shall be used for determining compliance with an applicable groundwater quality standard (AGQS) of 35 IAC 811.320. A statistically observed increase above the AGQS in a well at or beyond the zone of attenuation shall constitute a violation. The remaining wells are located as close to the waste boundary as possible without interfering with the waste disposal operations and no greater than 50 feet from the waste

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limits. Maximum Allowable Predicted Concentrations (MAPC) are provided in Section 812.316.

As previously noted in Section 812.317.2, geologic investigations at the site reveal that an organic silt, the Roxana Silt-Robein Member, is present in most areas of the proposed landfill. Furthermore, as noted in Section 812.316, this organic silt is not a water-bearing unit and where encountered at the compacted earth liner subgrade, will be removed to the surface of the Berry Clay. The resulting over-excavation will be backfilled with compacted clay exhibiting a hydraulic conductivity no greater than 1×10^{-7} centimeters per second (cm/sec). The clay thickness above the sand unit is based on the average thickness of this unit underneath the liner of the landfill.

In order to monitor the Roxana Silt-Robein Member should groundwater be present in this unit, CLI proposes to install four monitoring wells in the southwestern corner of the proposed facility. The proposed wells will be installed no more than 50 feet from the waste limits using a well spacing of 250 et. Drawing P-GWMP shows the proposed well spacing and phasing plan at the facility. The nonitoring wells, including screened intervals that will be utilized for each Operating Phase, are summarized in Table 812.317-1. If groundwater is present in the wells, CLI will calculate AGQS and MAPC values for all permitted groundwater monitoring constituents as described in Section 812.317.13 of this application.

812.317.4 Maximum Allowable Predicted Concentrations

Maximum Allowable Predicted Concentrations (MAPCs) are projected concentrations of leachate constituents in the uppermost aquifer that, when exceeded in the zone of attenuation, indicate potential for exceedance of a groundwater quality standard at the limit of the zone of attenuation.

The results of the Groundwater Impact Assessment failed to predict significant impact to occur at the edge of the zone of attenuation. Therefore, the MAPCs for the facility will be equal to the AGQS for the facility (see Section 812.316 of this document) Tables 812.317-2, 812.317-3, and 812.317-4 are provided to show the proposed AGQSs and MAPCs for the facility for each zone (i.e. Upper Radnor Till Sand, Lower Radnor Till Sand, and Organic Soil) of the groundwater monitoring network.

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812.317.5 Monitoring Well Construction and Design

This section describes the monitoring well design and construction details. All drilling and sampling equipment used to advance the borehole will be cleaned prior to each boring by the use of high pressure, hot potable water. Tools which have grease or heavy oils on them may require detergents or cleaners in order to be sufficiently cleaned.

All borings will be continuously sampled unless a replacement well is being installed within 10 feet of the original continuously sampled well or a shallow well of a nested group is being installed within 10 feet of a deeper well which has already been completed.

The wells will be constructed using #10 slot 2-inch inside diameter (I.D.) No. 304 stainless steel screen and riser in the saturated zone. Well screens will be 10 feet long and consist of continuous slot wire-wound or machine-cut slots. Two-inch I.D. Schedule 40 PVC riser may be used above the saturated zone. The joints will be flush-threaded and water-tight. Casing requiring solvent-type couplings shall not be used.

Wells will be installed using hollow-stem auger equipment. Drilling fluids will be avoided if possible. Well boreholes will extend approximately one-half to one-foot below the planned well screen bottom elevation. With the augers in place, clean quartz silica sand will be placed at the bottom of the borehole to the desired elevation of the bottom of the well screen. The well screen and riser pipe will then be inserted through the hollow-stem auger. Clean quartz (silica) sand will be placed around and two-feet above the well screen as the augers are slowly removed. The sand pack will be sounded frequently to ensure that the sand does not bridge and that an effective filter pack has been placed. The well will then be purged slowly to adequately place the sand pack. Additional sand pack will be placed as needed to provide for 2 feet of sand pack above the well screen. Where conditions allow, an approximate two-foot thick bentonite seal will be placed directly above the filter pack; otherwise, a minimum three-foot bentonite slurry will be pumped through a tremie pipe. The bentonite pellet seal will be slowly charged with potable water to promote swelling of the seal. The remaining annular space will be sealed with a cement/bentonite grout or bentonite grout utilizing a tremie pipe to three feet below ground surface. The cement/bentonite grout will consist of 1 percent bentonite, by weight, added to the appropriate amount of

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clean potable water before being added to the cement or, alternatively, 5 percent bentonite, by volume added to the cement before mixing with potable water.

A concrete cap shall be placed from the top of the annular seal to above the ground surface to prevent frost-heave damage and to divert surface water away from the casing. A locking metal protective casing will be placed in the concrete cap to prevent tampering and damage. In addition, concrete-filled steel posts will be placed around the well where appropriate to protect against equipment traffic damage. Figure 812.317-4 is provided to show typical well construction for the proposed monitor wells.

During all drilling activities and monitoring well installation, a geologist will be present to field classify the soils and oversee/document monitoring well construction. All boring logs and well completion reports shall be submitted to the IEPA and Illinois Department of Public Health within 60 days of their completion.

)ll wells designed and constructed as part of the monitoring network will be maintained along with records that include exact well locations (coordinates); well size; well type; the design and construction practices used in installation; and well and screen depths. The locations and wellhead elevations of all monitoring wells will be surveyed by a licensed surveyor and reported in relation to project coordinates and Mean Sea Level (MSL) to the nearest 0.01 foot.

Monitor wells/piezometers which are not part of the monitoring well program or not in use will be plugged and sealed as site development progresses. Plugging procedures will be conducted as discussed in Section 812.315 of this application.

812.317.6 Well Development and Hydraulic Conductivity Testing

Each new well will be developed using a combination of surging and purging to minimize turbidity after completion of well installation. A minimum of 24 hours must pass prior to any development to allow the cement grout to set properly and minimize the possibility of grout contamination of the well. Surge blocks, bailers, or other appropriate devices will be used to produce reversal, or surges, of groundwater in he screen interval to develop wells. All downhole well development equipment will be thoroughly

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cleaned prior to use in each well, using high pressure hot potable water. If any well yield decreases with time due to siltation, redevelopment of that well will be conducted.

Insitu hydraulic conductivity (slug) testing will be conducted in each monitoring well following well development. Testing procedures are outlined in Section 812.314. Once the testing is completed, all calculations and interpretations will be submitted to the Agency.

812.317.7 Sample Collection and Analysis

Sample collection and analysis for the groundwater monitoring program at the Clinton Landfill facility includes consistent sampling and analysis procedures. These procedures assure that monitoring results can be relied upon to provide data representative of groundwater quality in the zone being monitored. The field sampling protocol for the facility includes methods of development and purging and determination of optimum purge volumes. Because the response of a well is controlled by transmissivity of the geologic materials in its' screened zone, and by the design of the well, each well will be analyzed individually to determine the optimum number of well volumes that must be removed to obtain representative samples prior to sampling. Low-yield wells will be evacuated to dryness once, then as the well recovers, pH, temperature, and specific conductance will be measured, followed by collection of samples.

At a minimum, the following parameters will be measured at all wells at the time of sample collection and immediately before filtering and preserving samples for shipment:

1. The elevation of the top of groundwater (prior to purging),

2. The depth of the bottom of the well below ground surface,

3. pH,

4. The temperature of the sample, and

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5. Specific conductance.

Groundwater Sampling Procedures for the Clinton Landfill facility are included in Appendix 812.317-C. Groundwater samples will be collected using the bailer method. If Clinton Landfill decides to utilize an alternative groundwater sampling method in the future, an application for significant modification to its permit will be submitted for IEPA approval prior to employing an alternative method. All groundwater samples will be collected in the order of most volatile first, followed by the remaining organics, inorganics, then filtered inorganics. These procedures include detailed sample preservation and shipment procedures that will maintain the reliability of the collected samples for analysis.

In addition, Clinton Landfill will determine the rate and direction of groundwater flow in each water-bearing unit on the basis of groundwater elevation measurements each time the groundwater is sampled (quarterly at a minimum).

Methods from the following reference manuals shall be followed for sampling and analysis procedures:

1. "Procedures Manual for Groundwater Monitoring at Solid Waste Disposal Facilities", EPA-530/SW-611, August 1977.

2. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA/OSWER (SW-846), November 1968 and approved supplements.

3. "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983.

4. "Standard Methods For the Examination of Water and Wastewater APHA/AWWA/WPCF", Eighteenth Edition, 1992 or most recent edition.

5. Methods For the Determination of Organic Compounds In Drinking Water", EPA/600/4-88/039 with revisions, December, 1988.

Laboratory sample analysis will be conducted by an appropriately Illinois–certified laboratory. An

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example laboratory "Quality Assurance Management Plan" is included in Appendix 812.317-D. Procedures outlined in this plan shall be followed for routine laboratory quality control, chain-of-custody procedures, sample preservations and holding times. The plan is provided as an example and corresponds to the analytical laboratory that conducts the work and is subject to change to reflect changes in approved methodology and/or internal QA/QC practices.

812.317.8 Detection Monitoring Program

A. Monitoring Schedule and Frequency

Clinton Landfill will sample all Clinton Landfill No. 3 monitoring wells on a quarterly basis for routine indicator parameters and on an annual basis for organic parameters. Clinton Landfill may institute more frequent sampling if the results of the monitoring indicate that concentrations of any constituent monitored within the zone of attenuation are above the MAPC for that constituent. Groundwater monitoring wells will be installed so that samples may be collected and analyzed at least once before waste is placed in the cell the well is monitoring. Monitoring will continue a minimum period of 30 years after closure. However, Clinton Landfill may request that the monitoring frequency be reduced on a well-to-well basis 15 years after closure or 5 years after all potential sources of discharge no longer constitute a threat to groundwater if:

1. All constituents monitored within the zone of attenuation have returned to a concentration less than or equal to ten percent of the MAPC; or

2. All constituents monitored within the zone of attenuation are less than or equal to their MAPC for eight consecutive quarters.

Monitoring beyond the minimum period may be discontinued if:

1. No statistically significant increase is detected in the concentration of any constituent above that measured and recorded during the immediately scheduled sampling for three consecutive years, after changing to an annual monitoring frequency; or

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2. Immediately after contaminated leachate is no longer generated by the unit.

The Agency may reduce the groundwater monitoring period at Clinton Landfill upon a demonstration by Clinton Landfill that the reduced period is sufficient to protect human health and environment.

B. Criteria for Choosing Constituents To Be Monitored

Clinton Landfill will monitor each well at the facility for the parameters listed in Attachment 1 to Appendix C of the LPC-PA 19 Instructions for a Significant Modification Demonstrating Compliance with 35 IAC, Subtitle G, Part 814, Subpart C dated March 1994. These parameters include:

1. The 51 organic chemicals described at 40 CFR 141.40 (1988),

2. The Public and Food Processing Water Supply Standards described at 35 IAC 302,

3. The Groundwater Quality Standards as described in 35 IAC Part 620,

4. Additional parameters that may be expected to be present in leachate, and

5. Indicator parameters which are representative of the transport processes of constituents in the leachate.

In the event that the leachate monitoring program (See Section 812.308 of this permit application) detects a constituent in the leachate that is not already in the G1 or G2 Lists, Clinton Landfill will, within 90 days of detection, submit to the Illinois Environmental Protection Agency a significant modification permit application which either:

1. Proposes to add the constituent to the groundwater monitoring program; or
2. Demonstrates why adding the constituent to the groundwater monitoring program is not necessary or appropriate.

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C. Routine Analysis

Based upon the Groundwater Impact Assessment and in accordance with 35 IAC 811.319(a)(2)(B), List G1 parameters (see Appendix 812.317-E) are indicator parameters representative of the transport process of constituents most likely to be detected in the unlikely event of a liner failure. The monitoring wells will be sampled quarterly for the parameters on List G1.

D. Annual Analysis

In accordance with 35 IAC 811.319(a)(3)(B) and 811.319(a)(2)(B), once a year each monitoring well in the program will be sampled for the parameters listed in List G2 (Annual-Groundwater) in Appendix 812.317-E. These parameters include organic and inorganic (total and dissolved) parameters.

Groundwater samples will be collected on the following schedule:

Sampling Quarter	Report Due Date	Parameter List
January-February (1st)	April 15	G1
April-May (2nd)	July 15	G1 and G2
July-August (3rd)	October 15	G1
October-November (4th)	January 15	G1

E. Reporting

The groundwater monitoring data will be reported to the Illinois Environmental Protection Agency (IEPA) on a quarterly basis in accordance with the schedule provided in paragraph D of this Section. The data will be reported electronically using an IEPA-approved format.

812.317.9 Confirmation of Monitored Increase

Once the chemical analysis has been completed on the groundwater samples, each parameter at each well

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will be examined to determine if an increase has occurred. This evaluation shall be done each quarter until the monitoring program is discontinued. Each well will be evaluated individually.

This evaluation will entail a review of the analytical test results to determine if any of the following increases are observed:

1. The concentration of any constituent monitored in accordance with 35 IAC 811.319(a)(1) and (a)(2), essentially routine monitoring, shows a progressive increase over four consecutive quarters; or

2. The concentration of any constituent exceeds the MAPC at an established monitoring point within or at the edge of the zone of attenuation; or

3. The concentration of any constituent monitored in accordance with 35 IAC 811.319(a)(3), essentially the annual testing, greatly exceeds the previously measured concentration at any established monitoring point; or

4. The concentration of any constituent monitored at or beyond the zone of attenuation exceeds the applicable groundwater standards of 35 IAC 811.320.

If any of the above increases are observed, the subject well(s) shall be resampled within 45 days of the initial observation. Furthermore, Clinton Landfill will ensure that the samples and sampling protocol used will detect any statistically significant increases in the concentration of the suspect constituent in accordance with 35 IAC 811.320(e), so as to confirm the observed increase.

If the observed apparent increase is not detected in the re-sample, monitoring activities shall revert to the permitted routine schedule. If the apparent increase is confirmed, then Clinton Landfill will notify the IEPA before the end of the next business day following the confirmation. Clinton Landfill will then determine the source of the confirmed increase which may include, but is not limited to, natural phenomena, sampling and analysis errors, or an off-site source. Clinton Landfill will then notify the Agency in writing of the confirmed increase and state the source of the increase including the rationale

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used in such a determination within 10 days of the determination.

812.317.10 Assessment Monitoring

Clinton Landfill, Inc. will submit an Assessment Monitoring Plan to the Agency if the observed increase is confirmed. The plan will be filed for review as a significant permit modification pursuant to 35 IAC 813 Subpart B within 45 days of the confirmation. The Assessment Monitoring Plan will then be implemented within 90 days of Agency approval. The Assessment Monitoring Plan will consist of at a minimum, the monitoring of those constituents listed in 40 CFR 258, Appendix II, in addition to any of the following:

1. More frequent sampling of the well in which the observed increase occurred;

2. More frequent sampling of surrounding wells;

3. Placement of additional wells to determine the source and/or extent of contamination;

4. Monitoring of additional constituents that might indicate the source and extent of contamination; and

5. Any other techniques which will determine the source and/or extent of contamination.

If any of the constituents listed in 40 CFR 258, Appendix II are detected during the initial monitoring, then Clinton Landfill will do the following:

1. Establish background concentrations for the constituent(s);

2. Within 90 days of initial monitoring of the 40 CFR 258, Appendix II constituents continue to monitor them on a semi-annual basis during and following assessment monitoring;

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3. Place a note in the operating record that identifies the constituents that have exceeded the AGQS within 14 days of the exceedance;

4. Notify the IEPA and the appropriate officials of the local municipality or county that a notice has been placed in the operating record identifying the constituents detected which exceeded the AGQS;

5. Notify all persons who own land or reside on land that directly overlies any part of the plume of contamination if contaminates have been identified off-site; and

6. Collect information to assess the nature and extent of groundwater contamination.

Clinton Landfill may request the IEPA to delete any of the 40 CFR 258, Appendix II constituents by monstrating to the IEPA that the deleted constituents are not reasonably expected to be in or derived om the waste contained in the leachate.

If the concentrations of all 40 CFR 258, Appendix II constituents are shown to be belo w background values for two consecutive sampling events, then Clinton Landfill will notify the IEPA of this finding and stop monitoring the 40 CFR 258, Appendix II constituents.

A. Exceedance of AGQS

If the analysis of the assessment monitoring data still shows that the concentration of one or more constituents monitored at or beyond the zone of attenuation is still above the AGQS and is determined to be attributable to the solid waste facility, then Clinton Landfill shall determine the nature and extent of the groundwater contamination and submit a plan for corrective action measures. In addition, an assessment of the potential impact on the groundwater will be conducted should waste continue to be accepted at the facility.

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B. Exceedance of MAPC

If the analysis of the assessment monitoring data still shows that the concentration of one or more constituents is attributable to the solid waste disposal facility and exceeds the maximum allowable predicted concentration within the zone of attenuation, then Clinton Landfill will conduct an assessment for a potential groundwater impact.

812.317.11 Assessment of Potential Groundwater Impact

If increases above the MAPC are detected in the groundwater within the zone of attenuation from the initial monitoring of the constituents listed in 40 CFR 258, Appendix II, Clinton Landfill will assess the potential for impact outside the zone of attenuation in order to determine if there is need for remedial action. Clinton Landfill will assess this potential by utilizing new information from the detection and initial assessment monitoring programs for the recalibration of the groundwater contaminant transport (GCT) model as described in Section 812.316.

Clinton Landfill will then submit the results of the GCT model and any proposed remedial action plan, if so determined, to the IEPA within 180 days of the start of semi-annual monitoring of the constituents listed in 40 CFR 258, Appendix II.

812.317.12 Remedial Action

Clinton Landfill will initiate an assessment of corrective action measures within 14 days of the following:

1) The groundwater impact assessment as discussed in Section 812.317.11 indicates that corrective action is necessary; or

2) The assessment monitoring as discussed in Section 812.317.10 indicates that a confirmed increase above the AGQS is attributable to the facility.

Clinton Landfill will complete the assessment within 90 days of initiating it. However, Clinton Landfill

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will continue to monitor during this period to collect additional data.

The assessment shall include an analysis of the effectiveness of various potential corrective action measures and addressing at least the following:

1) The performance, reliability, ease of implementation, and potential impacts of appropriate potential remedies including safety impacts, cross-media impacts, and control of exposure to any residual contamination;

2) The time to begin and complete the remedy;

3) The costs of the remedy; and

4) The institutional requirements, such as State of local permit requirements, that may affect implementation of the remedies.

Clinton Landfill will discuss the results of the corrective action measures assessment prior to the selection of the remedy in a public meeting with interested and affected parties. Prior to the public meeting, Clinton Landfill will submit to the IEPA a report describing the results of the corrective action measures assessment.

A. Selection of Remedy

Within 90 days of the completion of the corrective action measures assessment, Clinton Landfill will select a remedy based upon the assessment results and submit to the IEPA an application for significant modification to the landfill permit describing the selected remedy.

The remedy selected for corrective action measures will meet the following requirements:

1) The remedy will be protective of human health and the environment;

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2) It will attain the AGQS;

3) It will control the sources of releases so as to reduce or eliminate, to the maximum extent practical, further releases of constituents detected under the assessment monitoring into the environment that may pose a threat to human health and environment; and

4) It will provide standards for managing wastes so as to protect the human health and environment.

In selecting a remedy Clinton Landfill will evaluate the long and short-term effectiveness and protectiveness of the potential remedies. In addition, the degree of certainty that the remedy will prove successful will be evaluated based on consideration of the following factors:

1) The magnitude of reduction of existing risks;

2) The magnitude of residual risks in terms of likelihood of further releases due to waste remaining following implementation of a remedy;

3) The type and degree of long-term management required, including monitoring, operation, and maintenance;

4) Any short-term risks that might be posed to the community, workers, or the environment during implementation of such a remedy including potential threats to human health and the environment associated with excavation, transportation, and re-disposal or containment;

5) The length of time until full protection is achieved;

6) Any potential for exposure of humans and environmental receptors to remaining wastes, considering the potential threat to human health and the environment associated with excavation, transportation, and redisposal or containment;

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7) The long-term reliability of engineering and institutional controls; and

8) The potential need for replacement of the remedy.

The effectiveness of the remedy will be evaluated as to controlling the source to reduce further releases based on consideration of the following factors:

1) The extent to which containment practices will reduce further releases, and

2) The extent to which treatment technologies may be used.

The ease or difficulty of implementing potential remedies will be evaluated based on consideration of the llowing types of factors:

1) The degree of difficulty associated with constructing the technology;

2) The expected operational reliability of the technologies;

3) The need to coordinate with and obtain necessary approvals and permits from other agencies;

4) The availability of necessary equipment and specialists; and

5) The available capacity and location of needed treatment, storage, and disposal services.

In addition, the practicable capacity of Clinton Landfill to implement the remedies will be evaluated including a consideration of economical and technical capability. Also, the local communities' concerns will be evaluated as to the remedy.

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B. Schedule for Implementing Corrective Action

Clinton Landfill will specify as part of the selected remedy a schedule(s) for initiating and completing remedial activities. The schedule must require the initiation of remedial activities within a reasonable period of time taking into consideration the extent and nature of the contamination. The Agency shall specify the time period for initiating remedial action in the facility's permit. Clinton Landfill will consider the following factors in determining the schedule of remedial activities:

1) The extent and nature of contamination;

2) The practical capabilities of remedial technologies in achieving compliance with the AGQS and other objectives of the remedy;

3) The availability of treatment or disposal capacity for wastes managed during implementation of the remedy;

4) The desirability of utilizing technologies that are not currently available, but which may offer significant advantages over already available technologies in terms of effectiveness, reliability, safety, or ability to achieve remedial objectives;

5) Any potential risks to human health and the environment from exposure to contamination prior to completion of the remedy;

6) Any resource value of the aquifer including:

   a. Any current and future uses,
   b. The proximity and withdrawal rate of users,
   c. The groundwater quantity and quality,
   d. The potential damage to wildlife, crops, vegetation, and physical structures caused by exposure to waste constituent,
   e. The hydrogeologic characteristic of the facility and surrounding land,

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f. The groundwater removal and treatment costs,

g. The cost and availability of alternative water supplies;

7) The practicable capability of the owner or operator to implement the remedies; and

8) Any other relevant factors.

The Agency shall determine that remediation of a release of one or more constituents monitored at the Clinton Landfill facility is not necessary if Clinton Landfill demonstrates to the Agency that:

1) The groundwater is additionally contaminated by substances that have originated from a source other than the MSWLF unit and those substances are present in such concentrations that cleanup of the release from the MSWLF unit would provide no significant reduction in risk to actual or potential receptors; or

2) The constituents are present in groundwater that is not currently or reasonably expected to be a source of drinking water, and is not hydraulically connected with waters to which the hazardous constituents are migrating or are likely to migrate in concentrations that would exceed the AGQS;

3) The remediation of the release is technically impracticable; or

4) The remediation results in unacceptable cross-media impacts.

A determination by the Agency shall not affect the Agency's authority to require the owner or operator to undertake source control measures or other measures that may be necessary to eliminate or minimize further releases to the groundwater, to prevent exposure to the groundwater, or to remediate the groundwater to concentrations that are technically practicable and which reduce threats to human health or the environment.

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C. Implementation of the Corrective Action Program

Once a schedule has been established for initiation and completion of corrective action, Clinton Landfill will:

1) Establish and implement a corrective action groundwater monitoring program that:

   a. At a minimum meets the requirements of an assessment monitoring program as described in Section 812.317.10,

   b. Indicates the effectiveness of the remedy, and

   c. Demonstrates compliance with a groundwater protection standard;

2) Implement the remedy selected; and

3) Take any interim measures necessary to ensure the protection of human health and the environment. Clinton Landfill will consider the following factors in determining whether interim measures are necessary:

   a. The time required to develop and implement a final remedy,

   b. Any actual or potential exposure of nearby populations or environmental receptors to hazardous constituents,

   c. Any actual or potential contamination of drinking water supplies or sensitive ecosystems,

   d. Any further degradation of the groundwater that may occur if remedial action is not initiated expeditiously,

   e. The weather conditions that may cause hazardous constituents to migrate or be released,

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f. Any risks of fire or explosion, or potential for exposure to hazardous constituents as a result of an accident or failure of a container or handling system, and

g. Any other situations that may pose threats to human health and the environment.

If Clinton Landfill determines, based on information developed after implementation of the remedy has begun or other information that remediation attainment of AGQS, or protection to human health and the environment, are not being achieved through the remedy selected, Clinton Landfill will:

1) Implement other methods or techniques; and

2) Submit to the Agency, prior to implementing any alternative methods, an application for a significant modification to the permit describing the alternative methods or techniques.

If Clinton Landfill determines that the above-mentioned criteria cannot be practically achieved with any currently available methods, Clinton Landfill will:

1) Obtain the certification of a qualified groundwater scientist or a determination by the Agency that compliance with the criteria cannot be practically achieved with any currently available methods;

2) Implement alternative measures to control exposure of humans or the environment to residual contamination, as necessary to protect human health and the environment;

3) Implement alternative measures for control of the sources of contamination, or for removal or decontamination of equipment, units, devices, or structures that are technically practicable and consistent with the overall objective of the remedy;

4) Submit to the Agency, prior to implementing the alternative measures, an application for a significant modification to the permit justifying the alternative measures; and

5) For purposes of this Section, a "qualified groundwater scientist' is a scientist or an engineer who has received a baccalaureate or postgraduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and

related fields as may be demonstrated by state registration, professional certifications, or completion of accredited university programs that enable that individual to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action.

All solid wastes that are managed pursuant to a remedy required under 35 IAC 811.325, or pursuant to an interim measure required under 35 IAC 811.326(a)(3) be managed by the owner or operator in a manner that is protective of human health and the environment, and that complies with applicable requirements of 35 IAC 811.

Remedies selected will be considered complete when:

1) The facility complies with the AGQS at all points within the plume of contamination that lie beyond the zone of attenuation;

2) When the AGQS has been achieved by demonstrating that concentrations of the constituents monitored under the assessment monitoring program have not exceeded the AGQS for a period of three consecutive years using statistical procedures. The Agency may specify an alternative time period during which the owner or operator must demonstrate compliance with the AGQS. The Agency shall specify such an alternative time period by considering the following factors:

   a. The extent and concentration of the release(s),

   b. The behavior characteristics of the hazardous constituents in the groundwater,

   c. The accuracy of monitoring or modeling techniques, including any seasonal, meteorological, or other environmental variables that may affect the accuracy,

   d. The characteristics of the groundwater.

3) All actions required to complete the remedy have been satisfied.

Within 14 days of the completion of the remedy, the owner or operator shall submit to the Agency an

lication for a significant modification of the permit including a certification that the remedy has been completed. The certification must be signed by the owner or operator and by a qualified groundwater scientist.

Upon Agency review and approval of the certification that the corrective action has been completed, the Agency shall release Clinton Landfill from the financial assurance requirements for corrective action pursuant to Subpart G of 35 IAC 811.

812.317.13 Groundwater Quality Standards (811.320)

The AGQS for the facility are the background concentrations of each monitoring parameter at and beyond the zone of attenuation. The zone of attenuation is the three-dimensional area bounded by a vertical plane at the property line or 100 feet from the edge of the unit, whichever is less, extending from the ground surface to the bottom of the upper-most aquifer and excluding the volume occupied by the waste. The horizontal limits of the zone of attenuation are shown on geologic cross-sections (see Drawings P-XS1 through P-XS8, full size attached). The monitored parameters are listed in Appendix 812.317-E.

Background concentrations of the monitored parameters are obtained from a minimum of four consecutive quarters of groundwater samples collected from monitoring wells not affected by the existing landfill unit or a Board-established standard. Adjustments to the background concentrations will be made only if changes in the concentrations of constituents observed in upgradient wells over time are determined, in accordance with 35 IAC 811.320(b).

Clinton Landfill will maintain a list of the background concentrations established in accordance with 35 IAC 811.320. The list will be maintained at the facility and be submitted to the IEPA.

Any statistical significant increase above the AGQS that is attributable to the facility and which occurs at or beyond the zone of attenuation within 100 years after closure at the facility will constitute a violation.

A. Background Groundwater Quality Monitoring

Upper Radnor Till Sand Zone

Monitoring well EX-23S was used to determine the preliminary AGQS for the Upper Radnor Till

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Sand zone. Monitoring well EX-23S is located near the southeastern portion of the proposed landfill and was installed January 2003. The estimated limits of the Upper Radnor Till Sand are in the southeast corner of the proposed facility (see Drawings 812.314-14 through 812.314-16). The groundwater flow direction in this zone is to the southwest. Therefore, monitoring well EX-23S is considered an upgradient well for the proposed Clinton Landfill No. 3 site and is located approximately 2,500 feet east (and hydraulically upgradient) of the existing Clinton Landfill No. 2 site. Thus water quality at EX-23S is unaffected by the existing Clinton Landfill No. 2 unit. The background monitoring period for the Upper Radnor Till Sand zone was from the four quarters of calendar year 2003.

Proposed AGQS for the Upper Radnor Till Sand zone are included in Table 812.317-2. Water Quality data is included in Appendix 812.317-F.

Lower Radnor Till Sand Zone

Monitoring wells EX-4, EX-15, EX-19, and EX-21D were used to determine the proposed AGQS for the Lower Radnor Till Sand zone. Monitoring wells EX-4 and EX-15 are located near the northeast corner of the proposed landfill and were installed in April 2000 and January 2003, respectively. Monitoring well EX-19 is located near the southwest corner of the proposed site and was installed in January 2003. Monitoring well EX-21D is located south of the proposed site and was also installed in January 2003. The Lower Radnor Till Sand is present under most of the proposed site. The estimated limits of the Lower Radnor Till Sand are shown on Drawings 812.314-17 through 812.314-19.

The groundwater flow direction in the Lower Radnor Till Sand zone is to the southwest. Thus, wells EX-4 and EX-15 are considered upgradient wells. Wells EX-19 and EX-21D are considered downgradient wells. However, all monitoring wells in the Lower Radnor Till Sand zone at the proposed Clinton Landfill No. 3 site are upgradient of (and unaffected by) the existing Clinton Landfill No. 2 facility. The background monitoring period for the Upper Radnor zone was from the four quarters of calendar year 2003.

Proposed AGQS for the Lower Radnor Till Sand zone are included in Table 812.317-3. Water Quality data is included in Appendix 812.317-F.

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ganic Soil Zone

Monitoring wells EX-14, EX-17, EX-22D, and EX-24 were used to determine the proposed AGQS for the Organic Soil zone. Monitoring wells EX-14 and EX-24 are located near the northeast corner of the proposed landfill and were installed in December 2002 and January 2003, respectively. Monitoring well EX-17 is located along the west side of the proposed site and was installed in January 2003. Monitoring well EX-22D is located near the southeast corner of the proposed site and was also installed in January 2003. The Organic Soil is present under nearly the entire site. The top elevation, bottom elevation, and thickness of the Organic Soil are shown on Drawings 812.314-20 through 812.314-22.

The groundwater flow direction in the Organic Soil zone is to the southwest. Thus, wells EX-14 and EX-24 are considered upgradient wells at the proposed Clinton No. 3 facility. Wells EX-17 and EX-22D are considered side/downgradient wells. However, all monitoring wells in the Organic Soil zone at the proposed Clinton Landfill No. 3 site are upgradient of (and unaffected by) the existing Clinton Landfill No. 2 facility. The background monitoring period for the Upper Radnor zone was from the four quarters of calendar year 2003.

Proposed AGQS for the Organic Soil zone are included in Table 812.317-4. Water Quality data is included in Appendix 812.317-F.

Roxana Silt-Robein Member

As noted in Section 812.317.2 of this application, the Roxana Silt-Robein Member is present in most areas of the proposed landfill. As noted in Section 812.316, this organic silt is not a water-bearing unit and where encountered at the compacted earth liner subgrade, will be removed to the surface of the Berry Clay. However, in order to monitor the Roxana Silt-Robein Member should groundwater be present in this unit, CLI proposes to install four monitoring wells in the southwestern corner of the proposed facility as described in Section 812.317.3 of this application. If groundwater is present in the wells, CLI will calculate AGQS and MAPC values for all permitted groundwater monitoring constituents using the statistical methods and procedures described below.

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B. Groundwater Quality Statistical Analysis and AGQS

Four quarters of groundwater quality data were collected during the background monitoring period from each zone (first quarter 2003 through fourth quarter 2003). Four wells were used in each zone for the Lower Radnor Till Sand zone and Organic Soil zone, resulting in 16 data points for each monitored parameter (i.e. 4 wells x 4 quarters). For the Organic Soil zone, one well was used to collect background data, resulting in 4 data points for each monitored parameter (1 well x 4 quarters). Water Quality data for each zone is included in Appendix 812.317-F.

The background groundwater data from each zone were statistically analyzed using the computer software MONITOR ™ to establish the Upper 95% Tolerance Limit (TL). The AGQS and MAPC were set equal to the TL. The Tolerance Interval method is described in detail in the United States Environmental Protection Agency's (US EPA) "Interim Final Guidance" and addendum.[1] The MONITOR™ software uses the procedures and algorithms as described in the US EPA's "Interim Final Guidance" document and addendum. Algorithms and the MONITOR ™ results are provided in Appendix 812.317-G. Proposed AGQS for the Upper Radnor Till Sand zone, the Lower Radnor Till Sand zone, and the Organic Soil zone are provided in Tables 812.317-2, 812.317-3, and 812.317-4, respectively.

The data from each zone were initially checked for outliers using the procedures provided in the USEPA's "Interim Final Guidance" document and addendum. Outliers were further investigated to identify and, if possible, remedy the cause of the outlier data. All recognizable and correctable errors in numeric values, such as due to transcription errors, were corrected. Outliers with no recognizable errors were included in the appropriate data set. A list of such outliers from each zone is included in Appendix 812.317-G.

The data were then checked using the Shapiro-Wilk goodness-of-fit test to determine the distributional characteristics of the data. Data passing the first round of testing is designated as Normal. Data that fails the first round of testing is automatically log transformed and retested. If the log transformed data passes

[1] "Statistical Analysis of Ground-water Monitoring Data at RCRA Facilities - Interim Final Guidance," April 1989 (US EPA Document No. EPA/530-SW-89-026), and "Statistical Analysis of Ground-water Monitoring Data At RCRA Facilities, Draft Addendum to Interim Final Guidance," July 1992.

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test, it is designated as Lognormal. The remaining data is designated as Non-Normal. Normality checks for each zone are provided in Appendix 812.317-G.

Each normally-distributed or Lognormally-distributed data set, consisting of all analytical results for a single constituent, were then segregated by the percentage of "Non-Detects" (NDs); that is, data points reported as below the method detection limit (MDL). The following summarizes the statistical approaches used for normally-distributed or Lognormally-distributed data sets with varying percentages of non-detects (NDs):

Less than 15 percent NDs: All NDs were adjusted to equal one-half the MDL, and parametric Tolerance Limits were calculated in accordance with 35 IAC 811.320 e). A 95 percent coverage and 95 percent tolerance coefficient were used as recommended by the US EPA's "Interim Final Guidance" and addendum.

15 to 50 percent NDs: The sample mean and standard deviation were adjusted using Cohen's method, and parametric Tolerance Limits were calculated in accordance with 35 IAC 811.320 e). A 95 percent coverage and 95 percent tolerance coefficient were used as recommended by the US EPA's "Interim Final Guidance" and addendum.

51 to 89 percent NDs: Regulations in 35 IAC 811.320 e) 3) state that the Test of Proportions method should be used for data sets containing more than 50 percent NDs. However, the Test of Proportions method can only compare two existing data sets (e.g. background well data sets and compliance well data sets) for similarity, and thus cannot be used to establish a set standard (i.e. AGQS). Furthermore, the "Addendum to Interim Final Guidance" specifically states that a parametric Tolerance Interval is not applicable for data sets containing more than 50 percent NDs. The "Addendum to Interim Final Guidance" recommends a non-parametric Tolerance Limit method for data sets containing between 50 and 90 percent NDs. Based on this, Tolerance Limits for sample pools containing 51 to 89 percent NDs were established using the non-parametric method recommended by the US EPA. The maximum detected concentration of a parameter is the Tolerance Limit for that

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parameter.

90 to 99 percent NDs: The Poisson model was used to calculate Tolerance Limits for data sets containing 90 to 99 percent NDs, as recommended by the "Addendum to Interim Final Guidance." NDs were equated to one-half the MDLs in the calculations. A coverage of 95 percent, and a tolerance coefficient of 95 percent were used as recommended by the US EPA.

100 percent NDs: Neither 35 IAC 811.320 nor the US EPA's "Interim Final Guidance" and addendum specifically address sample sets with 100 percent NDs. Based on experience, AGQS for constituents with 100 percent NDs in background monitoring were established at the Practical Quantitation Limit (PQL). The PQL is defined herein as the laboratory reported MDL.

For data sets with Non-Normal distribution, the AGQS was set as the maximum detected value.

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TABLES

Table 812.317-1 Monitoring Well Phasing Plan (revised)
Table 812.317-2 AGQS and MAPCs – Upper Radnor Till Sand (revised)
Table 812.317-3 AGQS and MAPCs – Lower Radnor Till Sand (revised)
Table 812.317-4 AGQS and MAPCs – Organic Soil (revised)
Table 812.317-5 Background Groundwater Quality Data – Upper Radnor Till Sand (new)
Table 812.317-6 Background Groundwater Quality Data – Lower Radnor Till Sand (new)
Table 812.317-7 Background Groundwater Quality Data – Organic Soil (new)

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TABLE 812.317-1
MONITORING WELL PHASING PLAN
Clinton Landfill No. 3

Operating Phase	Monitoring Well	Designation	Well Screen		Notes
			Geologic Unit	Elevation (ft-MSL)	
1	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G10M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G10D	Downgradient	OS	633.0 - 632.0	
	G11M	Downgradient	LR	640.0 - 639.0	To be installed if unit encountered
	G11D	Downgradient	OS	635.0 - 632.0	
	G12M	Downgradient	LR	641.0 - 640.0	To be installed if unit encountered
	G12D	Downgradient	OS	640.0 - 637.0	
2	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G03D*	Upgradient	OS	643.7 - 641.2	Existing well EX-14
	G04M	Upgradient	LR	638.3 - 635.5	To be installed if unit encountered
	G05M*	Upgradient	LR	642.3 - 638.8	Existing well EX-15
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G10M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G10D	Downgradient	OS	633.0 - 632.0	
	G11M	Downgradient	LR	640.0 - 639.0	To be installed if unit encountered
	G11D	Downgradient	OS	635.0 - 632.0	
	G12M	Downgradient	LR	641.0 - 640.0	To be installed if unit encountered
	G12D	Downgradient	OS	640.0 - 637.0	
	G13M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G13D	Downgradient	OS	638.0 - 636.0	
	G14M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G14D	Downgradient	OS	638.0 - 636.0	
	G15M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G15D	Downgradient	OS	638.0 - 636.0	
3	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G03D*	Upgradient	OS	643.7 - 641.2	Existing well EX-14
	G04M	Upgradient	LR	638.3 - 635.5	To be installed if unit encountered
	G05M*	Upgradient	LR	642.3 - 638.8	Existing well EX-15
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G13M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G13D	Downgradient	OS	638.0 - 636.0	
	G14M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G14D	Downgradient	OS	638.0 - 636.0	
	G15M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G15D	Downgradient	OS	638.0 - 636.0	

TABLE 812.317-1
MONITORING WELL PHASING PLAN
Clinton Landfill No. 3

Operating Phase	Monitoring Well	Designation	Well Screen		Notes
			Geologic Unit	Elevation (ft-MSL)	
3	G16M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G16D	Downgradient	OS	637.0 - 633.0	
	G17M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G17D	Downgradient	OS	636.0 - 632.0	
	G18M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G18D	Downgradient	OS	637.0 - 633.0	
	G19M	Downgradient	LR	641.0 - 640.0	To be installed if unit encountered
	G19D	Downgradient	OS	637.0 - 633.0	
	G20M	Downgradient	LR	642.0 - 640.0	To be installed if unit encountered
	G20D	Downgradient	OS	637.0 - 633.0	
4	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G03D*	Upgradient	OS	643.7 - 641.2	Existing well EX-14
	G04M	Upgradient	LR	638.3 - 635.5	To be installed if unit encountered
	G05M*	Upgradient	LR	642.3 - 638.8	Existing well EX-15
	G06D*	Upgradient	OS	637.4 - 632.3	Existing well EX-24
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G16M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G16D	Downgradient	OS	637.0 - 633.0	
	G17M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G17D	Downgradient	OS	636.0 - 632.0	
	G18M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G18D	Downgradient	OS	637.0 - 633.0	
	G19M	Downgradient	LR	641.0 - 640.0	To be installed if unit encountered
	G19D	Downgradient	OS	637.0 - 633.0	
	G20M	Downgradient	LR	642.0 - 640.0	To be installed if unit encountered
	G20D	Downgradient	OS	637.0 - 633.0	
	G21M	Downgradient	LR	642.0 - 640.0	To be installed if unit encountered
	G21D	Downgradient	OS	637.0 - 633.0	
	G22M	Downgradient	LR	644.0 - 639.0	To be installed if unit encountered
	G22D	Downgradient	OS	637.0 - 633.0	
	G23M	Downgradient	LR	645.0 - 638.0	To be installed if unit encountered
	G23D	Downgradient	OS	637.0 - 632.0	
5	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G03D*	Upgradient	OS	643.7 - 641.2	Existing well EX-14
	G04M	Upgradient	LR	638.3 - 635.5	To be installed if unit encountered
	G05M*	Upgradient	LR	642.3 - 638.8	Existing well EX-15
	G06D*	Upgradient	OS	637.4 - 632.3	Existing well EX-24
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G16M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G16D	Downgradient	OS	637.0 - 633.0	

TABLE 812.317-1
MONITORING WELL PHASING PLAN
Clinton Landfill No. 3

Operating Phase	Monitoring Well	Designation	Well Screen		Notes
			Geologic Unit	Elevation (ft-MSL)	
5	G17M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G17D	Downgradient	OS	636.0 - 632.0	
	G21M	Downgradient	LR	642.0 - 640.0	To be installed if unit encountered
	G21D	Downgradient	OS	637.0 - 633.0	
	G22M	Downgradient	LR	644.0 - 639.0	To be installed if unit encountered
	G22D	Downgradient	OS	637.0 - 633.0	
	G23M	Downgradient	LR	645.0 - 638.0	To be installed if unit encountered
	G23D	Downgradient	OS	637.0 - 632.0	
	G24M	Downgradient	LR	645.0 - 638.0	To be installed if unit encountered
	G24D	Downgradient	OS	636.0 - 632.0	
	G25M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G25D	Downgradient	OS	636.0 - 633.0	
	G26M	Downgradient	LR	645.0 - 640.0	To be installed if unit encountered
	G26D	Downgradient	OS	636.0 - 633.0	
	G27M	Downgradient	LR	653.0 - 652.0	To be installed if unit encountered
	G27D	Downgradient	OS	650.0 - 648.0	
6	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G03D*	Upgradient	OS	643.7 - 641.2	Existing well EX-14
	G04M	Upgradient	LR	638.3 - 635.5	To be installed if unit encountered
	G05M*	Upgradient	LR	642.3 - 638.8	Existing well EX-15
	G06D*	Upgradient	OS	637.4 - 632.3	Existing well EX-24
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G16M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G16D	Downgradient	OS	637.0 - 633.0	
	G17M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G17D	Downgradient	OS	636.0 - 632.0	
	G24M	Downgradient	LR	645.0 - 638.0	To be installed if unit encountered
	G24D	Downgradient	OS	636.0 - 632.0	
	G25M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G25D	Downgradient	OS	636.0 - 633.0	
	G26M	Downgradient	LR	645.0 - 640.0	To be installed if unit encountered
	G26D	Downgradient	OS	636.0 - 633.0	
	G27M	Downgradient	LR	653.0 - 652.0	To be installed if unit encountered
	G27D	Downgradient	OS	650.0 - 648.0	
	G28M	Downgradient	LR	653.0 - 652.0	To be installed if unit encountered
	G28D	Downgradient	OS	650.0 - 648.0	
	G29M	Downgradient	LR	653.0 - 652.0	To be installed if unit encountered
	G29D	Downgradient	OS	650.0 - 649.0	
	G30S	Downgradient	UR	653.0 - 652.0	To be installed if unit encountered
	G30M	Downgradient	LR	652.0 - 651.0	To be installed if unit encountered
	G30D	Downgradient	OS	650.0 - 649.0	
7	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G03D*	Upgradient	OS	643.7 - 641.2	Existing well EX-14

TABLE 812.317-1
MONITORING WELL PHASING PLAN
Clinton Landfill No. 3

Operating Phase	Monitoring Well	Designation	Well Screen		Notes
			Geologic Unit	Elevation (ft-MSL)	
7	G04M	Upgradient	LR	638.3 - 635.5	To be installed if unit encountered
	G05M*	Upgradient	LR	642.3 - 638.8	Existing well EX-15
	G06D*	Upgradient	OS	637.4 - 632.3	Existing well EX-24
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G16M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G16D	Downgradient	OS	637.0 - 633.0	
	G17M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G17D	Downgradient	OS	636.0 - 632.0	
	G24M	Downgradient	LR	645.0 - 638.0	To be installed if unit encountered
	G24D	Downgradient	OS	636.0 - 632.0	
	G28M	Downgradient	LR	653.0 - 652.0	To be installed if unit encountered
	G28D	Downgradient	OS	650.0 - 648.0	
	G29M	Downgradient	LR	653.0 - 652.0	To be installed if unit encountered
	G29D	Downgradient	OS	650.0 - 649.0	
	G30S	Downgradient	UR	653.0 - 652.0	To be installed if unit encountered
	G30M	Downgradient	LR	652.0 - 651.0	To be installed if unit encountered
	G30D	Downgradient	OS	650.0 - 649.0	
	G31M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G31D	Downgradient	OS	632.0 - 622.0	
	G33D	Downgradient	OS	635.0 - 631.0	
	G33M	Downgradient	LR	641.0 - 638.0	To be installed if unit encountered
	G34D	Downgradient	OS	635.0 - 631.0	
	G34M	Downgradient	LR	645.0 - 640.0	To be installed if unit encountered
	G35D#	Downgradient	OS	635.0 - 630.0	
	G35M#	Downgradient	OS	638.0 - 645.0	To be installed if unit encountered
8	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G03D*	Upgradient	OS	643.7 - 641.2	Existing well EX-14
	G04M	Upgradient	LR	638.3 - 635.5	To be installed if unit encountered
	G05M*	Upgradient	LR	642.3 - 638.8	Existing well EX-15
	G06D*	Upgradient	OS	637.4 - 632.3	Existing well EX-24
	G07S*	Upgradient	UR	651.4 - 649.8	Existing well EX-23S
	G07D*	Upgradient	OS	632.8 - 622.8	Existing well EX-23D
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G16M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G16D	Downgradient	OS	637.0 - 633.0	
	G17M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G17D	Downgradient	OS	636.0 - 632.0	
	G24M	Downgradient	LR	645.0 - 638.0	To be installed if unit encountered
	G24D	Downgradient	OS	636.0 - 632.0	
	G31M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G31D	Downgradient	OS	632.0 - 622.0	
	G32M	Downgradient	LR	641.0 - 638.0	To be installed if unit encountered

TABLE 812.317-1
MONITORING WELL PHASING PLAN
Clinton Landfill No. 3

perating Phase	Monitoring Well	Designation	Well Screen		Notes
			Geologic Unit	Elevation (ft-MSL)	
8	G32D	Downgradient	OS	636.0 - 630.0	
	G33M	Downgradient	LR	641.0 - 638.0	To be installed if unit encountered
	G33D	Downgradient	OS	635.0 - 631.0	
	G34M	Downgradient	LR	645.0 - 640.0	To be installed if unit encountered
	G34D	Downgradient	OS	635.0 - 631.0	
	G35M#	Downgradient	OS	638.0 - 645.0	To be installed if unit encountered
	G35D#	Downgradient	OS	635.0 - 630.0	
	G36S	Downgradient	UR	651.0 - 649.0	To be installed if unit encountered
	G36M	Downgradient	LR	648.0 - 645.0	To be installed if unit encountered
	G36D	Downgradient	OS	635.0 - 630.0	
	G37S	Downgradient	UR	652.0 - 651.0	To be installed if unit encountered
	G37M	Downgradient	LR	650.0 - 648.0	To be installed if unit encountered
	G37D	Downgradient	OS	633.0 - 623.0	
	G38S	Downgradient	UR	653.0 - 652.0	To be installed if unit encountered
	G38M	Downgradient	LR	650.0 - 648.0	To be installed if unit encountered
	G38D	Downgradient	OS	632.0 - 622.0	
9	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G03D*	Upgradient	OS	643.7 - 641.2	Existing well EX-14
	G04M	Upgradient	LR	638.3 - 635.5	To be installed if unit encountered
	G05M*	Upgradient	LR	642.3 - 638.8	Existing well EX-15
	G06D*	Upgradient	OS	637.4 - 632.3	Existing well EX-24
	G07S*	Upgradient	UR	651.4 - 649.8	Existing well EX-23S
	G07D*	Upgradient	OS	632.8 - 622.8	Existing well EX-23D
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G16M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G16D	Downgradient	OS	637.0 - 633.0	
	G17M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G17D	Downgradient	OS	636.0 - 632.0	
	G24M	Downgradient	LR	645.0 - 638.0	To be installed if unit encountered
	G24D	Downgradient	OS	636.0 - 632.0	
	G31M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G31D	Downgradient	OS	632.0 - 622.0	
	G32M	Downgradient	LR	641.0 - 638.0	To be installed if unit encountered
	G32D	Downgradient	OS	636.0 - 630.0	
	G36S	Downgradient	UR	651.0 - 649.0	To be installed if unit encountered
	G36M	Downgradient	LR	648.0 - 645.0	To be installed if unit encountered
	G36D	Downgradient	OS	635.0 - 630.0	
	G37S	Downgradient	UR	652.0 - 651.0	To be installed if unit encountered
	G37M	Downgradient	LR	650.0 - 648.0	To be installed if unit encountered
	G37D	Downgradient	OS	633.0 - 623.0	
	G38S	Downgradient	UR	653.0 - 652.0	To be installed if unit encountered
	G38M	Downgradient	LR	650.0 - 648.0	To be installed if unit encountered
	G38D	Downgradient	OS	632.0 - 622.0	
	G39M#	Downgradient	LR	641.0 - 637.0	To be installed if unit encountered
	G39D#	Downgradient	OS	636.0 - 630.0	

TABLE 812.317-1
MONITORING WELL PHASING PLAN
Clinton Landfill No. 3

Operating Phase	Monitoring Well	Designation	Well Screen		Notes
			Geologic Unit	Elevation (ft-MSL)	
9	G40M	Downgradient	LR	640.9 - 637.4	Existing well EX-19
	G40D	Downgradient	OS	636.0 - 630.0	
	G40R	Downgradient	RR	667.0 - 661.0	
	G41M	Downgradient	LR	641.0 - 637.0	To be installed if unit encountered
	G41D	Downgradient	OS	634.0 - 632.0	
	G42M	Downgradient	LR	640.0 - 637.0	To be installed if unit encountered
	G42D	Downgradient	OS	634.0 - 632.0	
	G43S	Downgradient	UR	651.0 - 649.0	To be installed if unit encountered
	G43M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G43D	Downgradient	OS	633.0 - 629.0	
10	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G03D*	Upgradient	OS	643.7 - 641.2	Existing well EX-14
	G04M	Upgradient	LR	638.3 - 635.5	To be installed if unit encountered
	G05M*	Upgradient	LR	642.3 - 638.8	Existing well EX-15
	G06D*	Upgradient	OS	637.4 - 632.3	Existing well EX-24
	G07S*	Upgradient	UR	651.4 - 649.8	Existing well EX-23S
	G07D*	Upgradient	OS	632.8 - 622.8	Existing well EX-23D
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G16M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G16D	Downgradient	OS	637.0 - 633.0	
	G17M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G17D	Downgradient	OS	636.0 - 632.0	
	G24M	Downgradient	LR	645.0 - 638.0	To be installed if unit encountered
	G24D	Downgradient	OS	636.0 - 632.0	
	G31M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G31D	Downgradient	OS	632.0 - 622.0	
	G32M	Downgradient	LR	641.0 - 638.0	To be installed if unit encountered
	G32D	Downgradient	OS	636.0 - 630.0	
	G39M#	Downgradient	LR	641.0 - 637.0	To be installed if unit encountered
	G39D#	Downgradient	OS	636.0 - 630.0	
	G40M	Downgradient	LR	640.9 - 637.4	Existing well EX-19
	G40D	Downgradient	OS	636.0 - 630.0	
	G40R	Downgradient	RR	667.0 - 661.1	
	G41M	Downgradient	LR	641.0 - 637.0	To be installed if unit encountered
	G41D	Downgradient	OS	634.0 - 632.0	
	G42M	Downgradient	LR	640.0 - 637.0	To be installed if unit encountered
	G42D	Downgradient	OS	634.0 - 632.0	
	G43S	Downgradient	UR	651.0 - 649.0	To be installed if unit encountered
	G43M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G43D	Downgradient	OS	633.0 - 629.0	
	G44S	Downgradient	UR	653.0 - 652.0	To be installed if unit encountered
	G44M	Downgradient	LR	642.08 - 638.0	To be installed if unit encountered
	G44D	Downgradient	OS	632.0 - 628.0	
	G45S	Downgradient	UR	653.0 - 652.0	To be installed if unit encountered
	G45M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered

TABLE 812.317-1
MONITORING WELL PHASING PLAN
Clinton Landfill No. 3

Operating Phase	Monitoring Well	Designation	Well Screen		Notes
			Geologic Unit	Elevation (ft-MSL)	
10	G45D	Downgradient	OS	631.0 - 628.0	
	G46S	Downgradient	UR	652.0 - 650.0	To be installed if unit encountered
	G46M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G46D	Downgradient	OS	632.0 - 625.0	
11	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G03D*	Upgradient	OS	643.7 - 641.2	Existing well EX-14
	G04M	Upgradient	LR	638.3 - 635.5	To be installed if unit encountered
	G05M*	Upgradient	LR	642.3 - 638.8	Existing well EX-15
	G06D*	Upgradient	OS	637.4 - 632.3	Existing well EX-24
	G07S*	Upgradient	UR	651.4 - 649.8	Existing well EX-23S
	G07D*	Upgradient	OS	632.8 - 622.8	Existing well EX-23D
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G16M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G16D	Downgradient	OS	637.0 - 633.0	
	G17M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G17D	Downgradient	OS	636.0 - 632.0	
	G24M	Downgradient	LR	645.0 - 638.0	To be installed if unit encountered
	G24D	Downgradient	OS	636.0 - 632.0	
	G31M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G31D	Downgradient	OS	632.0 - 622.0	
	G32M	Downgradient	LR	641.0 - 638.0	To be installed if unit encountered
	G32D	Downgradient	OS	636.0 - 630.0	
	G39M#	Downgradient	LR	641.0 - 637.0	To be installed if unit encountered
	G39D#	Downgradient	OS	636.0 - 630.0	
	G40M	Downgradient	LR	640.9 - 637.4	Existing well EX-19
	G40D	Downgradient	OS	636.0 - 630.0	
	G40R	Downgradient	RR	667.0 - 661.2	
	G44S	Downgradient	UR	653.0 - 652.0	To be installed if unit encountered
	G44M	Downgradient	LR	642.08 - 638.0	To be installed if unit encountered
	G44D	Downgradient	OS	632.0 - 628.0	
	G45S	Downgradient	UR	653.0 - 652.0	To be installed if unit encountered
	G45M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G45D	Downgradient	OS	631.0 - 628.0	
	G46S	Downgradient	UR	652.0 - 650.0	To be installed if unit encountered
	G46M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G46D	Downgradient	OS	632.0 - 625.0	
	G47M	Downgradient	LR	641.0 - 636.0	To be installed if unit encountered
	G47D	Downgradient	OS	635.0 - 630.0	
	G47R	Downgradient	RR	667.0 - 663.0	
	G48M	Downgradient	LR	641.0 - 636.0	To be installed if unit encountered
	G48D	Downgradient	OS	635.0 - 630.0	
	G48R	Downgradient	RR	668.0 - 663.0	
	G49M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G49D	Downgradient	OS	634.0 - 632.0	
	G49R	Downgradient	RR	668.0 - 663.0	

TABLE 812.317-1
MONITORING WELL PHASING PLAN
Clinton Landfill No. 3

Operating Phase	Monitoring Well	Designation	Well Screen		Notes
			Geologic Unit	Elevation (ft-MSL)	
11	G50D*	Downgradient	OS	634.0 - 632.0	Existing well EX-20
	G51M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G51D	Downgradient	OS	634.0 - 632.0	
12	G01M*	Upgradient	LR	644.3 - 643.2	Existing well EX-12S
	G01D*	Sidegradient	OS	637.4 - 633.65	Existing well EX-12D
	G02D*	Upgradient	OS	634.8 - 631.0	Existing well EX-13
	G03D*	Upgradient	OS	643.7 - 641.2	Existing well EX-14
	G04M	Upgradient	LR	638.3 - 635.5	To be installed if unit encountered
	G05M*	Upgradient	LR	642.3 - 638.8	Existing well EX-15
	G06D*	Upgradient	OS	637.4 - 632.3	Existing well EX-24
	G07S*	Upgradient	UR	651.4 - 649.8	Existing well EX-23S
	G07D*	Upgradient	OS	632.8 - 622.8	Existing well EX-23D
	G08M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G08D	Downgradient	OS	637.0 - 633.0	
	G09M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G09D	Downgradient	OS	633.0 - 632.0	
	G16M	Downgradient	LR	644.0 - 643.0	To be installed if unit encountered
	G16D	Downgradient	OS	637.0 - 633.0	
	G17M	Downgradient	LR	643.0 - 641.0	To be installed if unit encountered
	G17D	Downgradient	OS	636.0 - 632.0	
	G24M	Downgradient	LR	645.0 - 638.0	To be installed if unit encountered
	G24D	Downgradient	OS	636.0 - 632.0	
	G31M	Downgradient	LR	642.0 - 639.0	To be installed if unit encountered
	G31D	Downgradient	OS	632.0 - 622.0	
	G32M	Downgradient	LR	641.0 - 638.0	To be installed if unit encountered
	G32D	Downgradient	OS	636.0 - 630.0	
	G39M#	Downgradient	LR	641.0 - 637.0	To be installed if unit encountered
	G39D#	Downgradient	OS	636.0 - 630.0	
	G40M	Downgradient	LR	640.9 - 637.4	Existing well EX-19
	G40D	Downgradient	OS	636.0 - 630.0	
	G47M	Downgradient	LR	641.0 - 636.0	To be installed if unit encountered
	G47D	Downgradient	OS	635.0 - 630.0	
	G47R	Downgradient	RR	667.0 - 663.0	
	G48M	Downgradient	LR	641.0 - 636.0	To be installed if unit encountered
	G48D	Downgradient	OS	635.0 - 630.0	
	G48R	Downgradient	RR	668.0 - 663.0	
	G49M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G49D	Downgradient	OS	634.0 - 632.0	
	G49R	Downgradient	RR	668.0 - 663.0	
	G50D*	Downgradient	OS	634.0 - 632.0	Existing well EX-20
	G51M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G51D	Downgradient	OS	634.0 - 632.0	
	G52S	Downgradient	UR	650.0 - 647.0	
	G52M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G52D	Downgradient	OS	634.0 - 631.0	
	G53S*	Downgradient	UR	650.0 - 647.4	Existing well EX-21S
	G53D*	Downgradient	OS	640.4 - 637.0	Existing well EX-21D
	G54S#	Downgradient	UR	650.0 - 647.0	To be installed if unit encountered
	G54M#	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G54D#	Downgradient	OS	633.0 - 629.0	

TABLE 812.317-1
MONITORING WELL PHASING PLAN
Clinton Landfill No. 3

perating Phase	Monitoring Well	Designation	Well Screen		Notes
			Geologic Unit	Elevation (ft-MSL)	
12	G55S	Downgradient	UR	654.0 - 651.0	To be installed if unit encountered
	G55M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G55D	Downgradient	OS	632.0 - 628.0	
	G56S	Downgradient	UR	654.0 - 651.0	To be installed if unit encountered
	G56M	Downgradient	LR	640.0 - 636.0	To be installed if unit encountered
	G56D	Downgradient	OS	632.0 - 628.0	
	G57S*	Downgradient	UR	653.9 - 651.1	Existing well EX-22S
	G57D*	Downgradient	OS	631.8 - 627.8	Existing well EX-22D

- Existing monitoring well; see "Comments" column for existing well name
- Zone of Attenuation Monitoring well
X" designation denotes an existing well

otes:
UR = Upper Radnor Till Sand; LR = Lower Radnor Till Sand; OS = Organic Soil; RR = Roxana Silt-Robein Member
Proposed monitoring well screen elevations are approximate elevations; wells will be screened at acual elevation of the geologic unit encountered during well drilling.
. Existing piezometers P-1 through P-5 to be used for water level measurements only until removed during applicable construction phase.

TABLE 812.317-2

APPLICABLE GROUNDWATER QUALITY STANDARDS AND MAXIMUM ALLOWABLE PREDICTED CONCENTRATIONS - UPPER RADNOR TILL SAND

1st Quarter 2003 through 4th Quarter 2003

Clinton Landfill No. 3

Parameter	Unit	Data Distribution	Percent Non-Detects	Statistical Method*	Upper 95% Tolerance Limit	35 IAC 620.410 Standard	35 IAC 302.304 Standard	Applicable Groundwater Quality Standard	Maximum Allowable Predicted Concentration
ical Oxygen Demand (COD)	mg/l	Normal	75	5	7.0	NA	NA	7.0	7.0
ield Aqueous	s.u.	Normal	0	1	6.24-7.75	6.5 - 9	NA	6.24-7.75	6.24-7.75
ific Conductance, Field	umhos/cm	Normal	0	1	1,108.7	NA	NA	1,108.7	1,108.7
)	ug/l	NA	100	6	0.1	70	100	0.1	0.1
ılor	ug/l	NA	100	6	0.4	2	NA	0.4	0.4
arb	ug/l	NA	100	6	0.4	3	NA	0.4	0.4
ine	ug/l	NA	100	6	0.2	3	NA	0.2	0.2
oxychlor	ug/l	NA	100	6	0.5	40	100	0.5	0.5
x	ug/l	NA	100	6	0.05	50	10	0.05	0.05
zine	ug/l	NA	100	6	0.2	4	NA	0.2	0.2
onia, Dissolved	mg/l	Normal	0	1	23.5	NA	NA	23.5	23.5
onia, Total	mg/l	Normal	0	1	22.0	NA	NA	22.0	22.0
ride, Dissolved	mg/l	Normal	0	1	8.5	NA	NA	8.5	8.5
ride, Total	mg/l	Normal	0	1	7.8	200	250	7.8	7.8
ide, Total	mg/l	NA	100	6	0.005	0.2	NA	0.005	0.005
ride, Total	mg/l	Normal	0	1	0.80	4	NA	0.80	0.80
ate/Nitrite as N, Dissolved	mg/l	NA	100	6	0.02	NA	NA	0.02	0.02
ate/Nitrite as N, Total	mg/l	NA	100	6	0.02	10	NA	0.02	0.02
ate, Dissolved	mg/l	Normal	0	1	8.4	NA	NA	8.4	8.4
ate, Total	mg/l	Normal	0	1	6.2	400	NA	6.2	6.2
inum, Total	ug/l	Normal	0	1	454,413.0	NA	NA	454,413.0	454,413.0
mo... Total	ug/l	NA	100	6	3.0	6	NA	3.0	3.0
... al	ug/l	Normal	0	1	598.4	50	50	598.4	598.4
...ssolved	ug/l	Normal	0	1	125.4	NA	NA	125.4	125.4
... otal	ug/l	Normal	0	1	2,203.2	2000	1000	2,203.2	2,203.2
yllium, Total	ug/l	Normal	50	3	27.6	4	NA	27.6	27.6
on, Dissolved	ug/l	Normal	0	1	575.5	NA	NA	575.5	575.5
on, Total	ug/l	Normal	0	1	1,198.7	2000	NA	1,198.7	1,198.7
mium, Dissolved	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
mium, Total	ug/l	NA	100	6	1.0	5	10	1.0	1.0
cium, Total	mg/l	Normal	0	1	1,516.3	NA	NA	1,516.3	1,516.3
omium, Total	ug/l	Normal	0	1	810.2	100	50	810.2	810.2
alt, Total	ug/l	Normal	0	1	330.6	1000	NA	330.6	330.6
per, Total	ug/l	Normal	25	3	850.9	650	NA	850.9	850.9
, Dissolved	ug/l	Lognormal	0	2	3,262.6	NA	300	3,262.6	3,262.6
, Total	ug/l	Normal	0	1	825,948.0	5000	NA	825,948.0	825,948.0
d, Dissolved	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
d, Total	ug/l	Normal	50	3	836.0	7.5	50	836.0	836.0
gnesium, Total	mg/l	Normal	0	1	706.6	NA	NA	706.6	706.6
nganese, Dissolved	ug/l	Normal	0	1	241.4	NA	NA	241.4	241.4
nganese, Total	ug/l	Normal	0	1	13,939.0	150	150	13,939.0	13,939.0
rcury, Total	ug/l	NA	100	6	0.2	2	NA	0.2	0.2
rcury, Dissolved	ug/l	NA	100	6	0.2	NA	NA	0.2	0.2
kel, Total	ug/l	Normal	0	1	885.6	100	NA	885.6	885.6
assium, Total	mg/l	Normal	0	1	141.7	NA	NA	141.7	141.7
enium, Total	ug/l	Normal	25	3	16.6	50	10	16.6	16.6
ver, Total	ug/l	NA	100	6	5.0	50	NA	5.0	5.0
dium, Total	mg/l	Non-normal	0	5	25.0	NA	NA	25.0	25.0
allium, Total	ug/l	Normal	75	5	1.7	2	NA	1.7	1.7
nadium, Total	ug/l	Normal	50	3	1,109.6	NA	NA	1,109.6	1,109.6
c, Dissolved	ug/l	Normal	25	3	41.3	NA	NA	41.3	41.3
c, Total	ug/l	Normal	0	1	1,808.2	5000	NA	1,808.2	1,808.2
...	ug/l	NA	100	6	0.1	NA	50	0.1	0.1
...	ug/l	NA	100	6	0.05	NA	1	0.05	0.05
...ran	ug/l	NA	100	6	1.5	40	NA	1.5	1.5
lordane (Tech)	ug/l	NA	100	6	0.5	2	3	0.5	0.5
lapon	ug/l	NA	100	6	1.5	200	NA	1.5	1.5
eldrin	ug/l	NA	100	6	0.1	NA	1	0.1	0.1

TABLE 812.317-2
APPLICABLE GROUNDWATER QUALITY STANDARDS AND MAXIMUM ALLOWABLE PREDICTED CONCENTRATIONS - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Parameter	Unit	Data Distribution	Percent Non-Detects	Statistical Method*	Upper 95% Tolerance Limit	35 IAC 620.410 Standard	35 IAC 302.304 Standard	Applicable Groundwater Quality Standard	Maximum Allowable Predicted Concentration
Dinoseb	ug/l	NA	100	6	0.2	7	NA	0.2	0.2
Endothal	ug/l	NA	100	6	40.0	100	NA	40.0	40.0
Endrin	ug/l	NA	100	6	0.1	2	0.2	0.1	0.1
gamma-BHC (Lindane)	ug/l	NA	100	6	0.05	0.2	4	0.05	0.05
Heptachlor	ug/l	NA	100	6	0.05	0.4	0.1	0.05	0.05
Heptachlor epoxide	ug/l	NA	100	6	0.05	0.2	0.1	0.05	0.05
Parathion	ug/l	NA	100	6	0.2	NA	100	0.2	0.2
Aroclor 1016	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1221	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1232	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1242	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1248	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1254	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1260	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
4-Methylphenol (p-cresol)	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Benzo(a)pyrene	ug/l	NA	100	6	0.2	0.2	NA	0.2	0.2
Bis(2-ethylhexyl)phthalate	ug/l	Normal	75	5	22.0	6	NA	22.0	22.0
Di-n-butyl phthalate	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Diethyl phthalate	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Dimethyl phthalate	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Hexachlorobutadiene	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
xachlorocyclopentadiene	ug/l	NA	100	6	10.0	50	NA	10.0	10.0
ophorone	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
laphthalene	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Pentachlorophenol	ug/l	NA	100	6	0.05	1	NA	0.05	0.05
Phenols, Total	mg/l	NA	100	6	0.005	100	1	0.005	0.005
Picloram	ug/l	NA	100	6	0.2	500	NA	0.2	0.2
Toxaphene	ug/l	NA	100	6	1.5	3	5	1.5	1.5
1,1,1,2-Tetrachloroethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,1,1-Trichloroethane	ug/l	NA	100	6	1.0	200	NA	1.0	1.0
1,1,2,2-Tetrachloroethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,1,2-Trichloroethane	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
1,1-Dichloroethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,1-Dichloroethene	ug/l	NA	100	6	1.0	7	NA	1.0	1.0
1,1-Dichloropropene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,2,3-Trichlorobenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,2,3-Trichloropropane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,2,4-Trichlorobenzene	ug/l	NA	100	6	1.0	70	NA	1.0	1.0
1,2,4-Trimethylbenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,2-Dibromo-3-chloropropane	ug/l	NA	100	6	0.05	0.2	NA	0.05	0.05
1,2-Dichlorobenzene	ug/l	NA	100	6	1.0	600	NA	1.0	1.0
1,2-Dichloroethane	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
1,2-Dichloropropane	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
1,3,5-Trimethylbenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,3-Dichlorobenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,3 Dichloropropane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,4-Dichlorobenzene	ug/l	NA	100	6	1.0	75	NA	1.0	1.0
2,2-Dichloropropane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
2-Butanone (MEK)	ug/l	NA	100	6	5.0	NA	NA	5.0	5.0
2-Chlorotoluene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
2-Hexanone (MBK)	ug/l	NA	100	6	5.0	NA	NA	5.0	5.0
Chlorotoluene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
Methyl-2-Pentanone (MIBK)	ug/l	NA	100	6	5.0	NA	NA	5.0	5.0
cetone	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Acrolein	ug/l	NA	100	6	50.0	NA	NA	50.0	50.0
Acrylonitrile	ug/l	NA	100	6	50.0	NA	NA	50.0	50.0
Benzene	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
Bromobenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0

TABLE 812.317-2

APPLICABLE GROUNDWATER QUALITY STANDARDS AND MAXIMUM ALLOWABLE PREDICTED CONCENTRATIONS - UPPER RADNOR TILL SAND

1st Quarter 2003 through 4th Quarter 2003

Clinton Landfill No. 3

Parameter	Unit	Data Distribution	Percent Non-Detects	Statistical Method*	Upper 95% Tolerance Limit	35 IAC 620.410 Standard	35 IAC 302.304 Standard	Applicable Groundwater Quality Standard	Maximum Allowable Predicted Concentration
ıochloromethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
ıodichloromethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
ıoform	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
ıomethane	ug/l	NA	100	6	2.0	NA	NA	2.0	2.0
on Disulfide	ug/l	Normal	75	5	4.0	NA	NA	4.0	4.0
on Tetrachloride	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
robenzene	ug/l	NA	100	6	1.0	100	NA	1.0	1.0
roethane	ug/l	NA	100	6	2.0	NA	NA	2.0	2.0
roform	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
romethane	ug/l	NA	100	6	2.0	NA	NA	2.0	2.0
,2-Dichloroethene	ug/l	NA	100	6	1.0	70	NA	1.0	1.0
,3-Dichloropropene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
omochloromethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
omomethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
ılorodifluoromethane	ug/l	NA	100	6	2.0	NA	NA	2.0	2.0
ylbenzene	ug/l	NA	100	6	1.0	70	NA	1.0	1.0
lene dibromide	ug/l	NA	100	6	0.05	0.05	NA	0.05	0.05
ımethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
ropylbenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
-Xylene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
hylene Chloride	ug/l	Non-normal	75	5	7.0	5	NA	7.0	7.0
ut ene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
zene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
opropyltoluene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
-Butylbenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
rene	ug/l	NA	100	6	1.0	100	NA	1.0	1.0
-Butylbenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
rachloroethene	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
rahydrofuran	ug/l	NA	100	6	20.0	NA	NA	20.0	20.0
luene	ug/l	NA	100	6	1.0	1000	NA	1.0	1.0
ıs-1,2-Dichloroethene	ug/l	NA	100	6	1.0	100	NA	1.0	1.0
ıs-1,3-Dichloropropene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
ıs-1,4-Dichloro-2-Butene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
chloroethene	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
ichlorofluoromethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
nyl Acetate	ug/l	NA	100	6	5.0	NA	NA	5.0	5.0
nyl Chloride	ug/l	NA	100	6	2.0	2	NA	2.0	2.0
lenes, Total	ug/l	NA	100	6	3.0	10000	NA	3.0	3.0
ological Oxygen Demand (BOD)	mg/l	Normal	0	1	67.0	NA	NA	67.0	67.0
l and Grease, Total	mg/l	NA	100	6	5.0	NA	0.1	5.0	5.0
tal Organic Carbon (TOC)	mg/l	Normal	0	1	11.0	NA	NA	11.0	11.0
tal Dissolved Solids (TDS)	mg/l	Normal	0	1	692.7	1200	500	692.7	692.7

Statistical Method Code for estimating the Upper 95% Tolerance Limit (TL):
1 = Upper 95% TL, original data, 1/2 method detection limit (MDL) substituted for non-detects
2 = Upper 95% TL, log-transformed data, 1/2 MDL substituted for non-detects
3 = Upper 95% TL, original data, Cohen's adjustment for non-detects
4 = Upper 95% TL, log-transformed data, Cohen's adjustment for non-detects
5 = Maximum detected background value
6 = Largest MDL

otes:
rr illigrams per liter
ndard units
cm = micromhos per centimeter
micrograms per liter
Dissolved = filtered sample using 0.45 mciron filter
Total = unfiltered sample
Applicable Groundwater Quality Standard (AGQS) is established as the Upper 95% TL
NA = Not Applicable

TABLE 812.317-3

APPLICABLE GROUNDWATER QUALITY STANDARDS AND MAXIMUM ALLOWABLE PREDICTED CONCENTRATIONS - LOWER RADNOR TILL SAND

1st Quarter 2003 through 4th Quarter 2003

Clinton Landfill No. 3

Parameter	Unit	Data Distribution	Percent Non-Detects	Statistical Method	Upper 95% Tolerance Limit	35 IAC 620.410 Standard	35 IAC 302.304 Standard	Applicable Groundwater Quality Standard	Maximum Allowable Predicted Concentration
ical Oxygen Demand (COD)	mg/l	Normal	12.5	1	36.3	NA	NA	36.3	36.3
ield Aqueous	s.u.	Normal	0	1	6.09-7.51	6.5 - 9	NA	6.09-7.51	6.09-7.51
fic Conductance, Field	umhos/cm	Normal	0	1	967.4	NA	NA	967.4	967.4
	ug/l	NA	100	6	0.1	70	100	0.1	0.1
lor	ug/l	NA	100	6	0.4	2	NA	0.4	0.4
arb	ug/l	NA	100	6	0.4	3	NA	0.4	0.4
ine	ug/l	NA	100	6	0.2	3	NA	0.2	0.2
oxychlor	ug/l	NA	100	6	0.5	40	100	0.5	0.5
	ug/l	NA	100	6	0.05	50	10	0.05	0.05
inc	ug/l	NA	100	6	0.2	4	NA	0.2	0.2
onia, Dissolved	mg/l	Normal	0	1	16.8	NA	NA	16.8	16.8
onia, Total	mg/l	Normal	0	1	17.0	NA	NA	17.0	17.0
ide, Dissolved	mg/l	Normal	0	1	5.9	NA	NA	5.9	5.9
ide, Total	mg/l	Normal	0	1	5.7	200	250	5.7	5.7
ide, Total	mg/l	NA	100	6	0.005	0.2	NA	0.005	0.005
ide, Total	mg/l	Normal	0	1	0.60	4	NA	0.60	0.60
te/Nitrite as N, Dissolved	mg/l	Non-normal	87.5	5	0.031	NA	NA	0.031	0.031
te/Nitrite as N, Total	mg/l	Non-normal	93.8	5	0.022	10	NA	0.022	0.02
te, Dissolved	mg/l	Non-normal	43.8	5	9.7	NA	NA	9.7	9.7
te, Total	mg/l	Normal	25	3	6.8	400	NA	6.8	6.8
inum, Total	ug/l	Lognormal	0	2	323,093.8	NA	NA	323,093.8	323,093.8
ne Total	ug/l	NA	100	6	3.0	6	NA	3.0	3.0
u al	ug/l	Normal	0	1	128.7	50	50	128.7	128.7
ssolved	ug/l	Normal	0	1	104.3	NA	NA	104.3	104.3
ial	ug/l	Lognormal	0	5	1,000.0	2000	1000	1,000.0	1,000.0
llium, Total	ug/l	Lognormal	31.3	4	16.1	4	NA	16.1	16.1
n, Dissolved	ug/l	Normal	0	1	729.0	NA	NA	729.0	729.0
n, Total	ug/l	Normal	0	1	736.2	2000	NA	736.2	736.2
nium, Dissolved	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
nium, Total	ug/l	Non-normal	93.8	5	1.3	5	10	1.3	1.3
ium, Total	mg/l	Normal	0	1	774.1	NA	NA	774.1	774.1
mium, Total	ug/l	Lognormal	0	2	591.1	100	50	591.1	591.1
lt, Total	ug/l	Lognormal	6.3	2	204.6	1000	NA	204.6	204.6
per, Total	ug/l	Lognormal	6.3	2	438.0	650	NA	438.0	438.0
Dissolved	ug/l	Non-normal	0	5	7,600.0	NA	300	7,600.0	7,600.0
Total	ug/l	Lognormal	0	2	552,900.1	5000	NA	552,900.1	552,900.1
, Dissolved	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
, Total	ug/l	Lognormal	0	2	432.8	7.5	50	432.8	432.8
nesium, Total	mg/l	Lognormal	0	5	1,300.0	NA	NA	1,300.0	1,300.0
ganese, Dissolved	ug/l	Normal	0	1	105.9	NA	NA	105.9	105.9
ganese, Total	ug/l	Lognormal	0	2	9,952.2	150	150	9,952.2	9,952.2
cury, Total	ug/l	NA	100	6	0.2	2	NA	0.2	0.2
cury, Dissolved	ug/l	NA	100	6	0.2	NA	NA	0.2	0.2
el, Total	ug/l	Lognormal	6.3	5	1,400.0	100	NA	1,400.0	1,400.0
ssium, Total	mg/l	Non-normal	0	5	2,300.0	NA	NA	2,300.0	2,300.0
nium, Total	ug/l	Lognormal	31.3	4	9.8	50	10	9.8	9.8
er, Total	ug/l	NA	100	6	5.0	50	NA	5.0	5.0
ium, Total	mg/l	Non-normal	0	5	7,700.0	NA	NA	7,700.0	7,700.0
llium, Total	ug/l	Non-normal	81.3	5	2.5	2	NA	2.5	2.5
adium, Total	ug/l	Lognormal	6.3	2	646.6	NA	NA	646.6	646.6
, Dissolved	ug/l	Non-normal	50	5	15.0	NA	NA	15.0	15.0
, Total	ug/l	Lognormal	0	2	1,299.4	5000	NA	1,299.4	1,299.4
	ug/l	NA	100	6	0.1	NA	50	0.1	0.1
	ug/l	NA	100	6	0.05	NA	1	0.05	0.05
	ug/l	NA	100	6	1.5	40	NA	1.5	1.5
ordane (Tech)	ug/l	NA	100	6	0.5	2	3	0.5	0.5
apon	ug/l	NA	100	6	1.5	200	NA	1.5	1.5
ldrin	ug/l	NA	100	6	0.1	NA	1	0.1	0.1

TABLE 812.317-3

APPLICABLE GROUNDWATER QUALITY STANDARDS AND MAXIMUM ALLOWABLE PREDICTED CONCENTRATIONS - LOWER RADNOR TILL SAND

1st Quarter 2003 through 4th Quarter 2003

Clinton Landfill No. 3

Parameter	Unit	Data Distribution	Percent Non-Detects	Statistical Method	Upper 95% Tolerance Limit	35 IAC 620.410 Standard	35 IAC 302.304 Standard	Applicable Groundwater Quality Standard	Maximum Allowable Predicted Concentration
Dinoseb	ug/l	NA	100	6	0.2	7	NA	0.2	0.2
Endothal	ug/l	NA	100	6	40.0	100	NA	40.0	40.0
Endrin	ug/l	NA	100	6	0.1	2	0.2	0.1	0.1
gamma-BHC (Lindane)	ug/l	NA	100	6	0.05	0.2	4	0.05	0.05
Heptachlor	ug/l	NA	100	6	0.05	0.4	0.1	0.05	0.05
Heptachlor epoxide	ug/l	NA	100	6	0.05	0.2	0.1	0.05	0.05
Parathion	ug/l	NA	100	6	0.2	NA	100	0.2	0.2
Aroclor 1016	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1221	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1232	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1242	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1248	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1254	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
Aroclor 1260	ug/l	NA	100	6	0.5	0.5	NA	0.5	0.5
4-Methylphenol (p-cresol)	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Benzo(a)pyrene	ug/l	NA	100	6	0.2	0.2	NA	0.2	0.2
Bis(2-ethylhexyl)phthalate	ug/l	Non-normal	81.3	5	7.6	6	NA	7.6	7.6
Di-n-butyl phthalate	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Diethyl phthalate	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Dimethyl phthalate	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Hexachlorobutadiene	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Hexachlorocyclopentadiene	ug/l	NA	100	6	10.0	50	NA	10.0	10.0
Isophorone	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Naphthalene	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Pentachlorophenol	ug/l	NA	100	6	0.05	1	NA	0.05	0.05
Phenols, Total	mg/l	NA	100	6	0.005	100	1	0.005	0.005
Picloram	ug/l	NA	100	6	0.2	500	NA	0.2	0.2
Toxaphene	ug/l	NA	100	6	1.5	3	5	1.5	1.5
1,1,1,2-Tetrachloroethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,1,1-Trichloroethane	ug/l	NA	100	6	1.0	200	NA	1.0	1.0
1,1,2,2-Tetrachloroethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,1,2-Trichloroethane	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
1,1-Dichloroethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,1-Dichloroethene	ug/l	NA	100	6	1.0	7	NA	1.0	1.0
1,1-Dichloropropene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,2,3-Trichlorobenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,2,3-Trichloropropane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,2,4-Trichlorobenzene	ug/l	NA	100	6	1.0	70	NA	1.0	1.0
1,2,4-Trimethylbenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,2-Dibromo-3-chloropropane	ug/l	NA	100	6	0.05	0.2	NA	0.05	0.05
1,2-Dichlorobenzene	ug/l	NA	100	6	1.0	600	NA	1.0	1.0
1,2-Dichloroethane	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
1,2-Dichloropropane	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
1,3,5-Trimethylbenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,3-Dichlorobenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,3 Dichloropropane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
1,4-Dichlorobenzene	ug/l	NA	100	6	1.0	75	NA	1.0	1.0
2,2-Dichloropropane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
2-Butanone (MEK)	ug/l	NA	100	6	5.0	NA	NA	5.0	5.0
2-Chlorotoluene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
2-Hexanone (MBK)	ug/l	NA	100	6	5.0	NA	NA	5.0	5.0
4-Chlorotoluene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
4-Methyl-2-Pentanone (MIBK)	ug/l	NA	100	6	5.0	NA	NA	5.0	5.0
Acetone	ug/l	NA	100	6	10.0	NA	NA	10.0	10.0
Acrolein	ug/l	NA	100	6	50.0	NA	NA	50.0	50.0
Acrylonitrile	ug/l	NA	100	6	50.0	NA	NA	50.0	50.0
Benzene	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
Bromobenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0

TABLE 812.317-3

APPLICABLE GROUNDWATER QUALITY STANDARDS AND MAXIMUM ALLOWABLE PREDICTED CONCENTRATIONS - LOWER RADNOR TILL SAND

1st Quarter 2003 through 4th Quarter 2003

Clinton Landfill No. 3

Parameter	Unit	Data Distribution	Percent Non-Detects	Statistical Method	Upper 95% Tolerance Limit	35 IAC 620.410 Standard	35 IAC 302.304 Standard	Applicable Groundwater Quality Standard	Maximum Allowable Predicted Concentration
nochloromethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
nodichloromethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
noform	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
nomethane	ug/l	NA	100	6	2.0	NA	NA	2.0	2.0
on Disulfide	ug/l	Non-normal	81.3	5	8.0	NA	NA	8.0	8.0
on Tetrachloride	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
robenzene	ug/l	NA	100	6	1.0	100	NA	1.0	1.0
roethane	ug/l	NA	100	6	2.0	NA	NA	2.0	2.0
roform	ug/l	Non-normal	93.8	5	1.0	NA	NA	1.0	1.0
romethane	ug/l	NA	100	6	2.0	NA	NA	2.0	2.0
1,2-Dichloroethene	ug/l	NA	100	6	1.0	70	NA	1.0	1.0
1,3-Dichloropropene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
romochloromethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
romomethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
hlorodifluoromethane	ug/l	NA	100	6	2.0	NA	NA	2.0	2.0
ylbenzene	ug/l	NA	100	6	1.0	70	NA	1.0	1.0
ylene dibromide	ug/l	NA	100	6	0.05	0.05	NA	0.05	0.05
omethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
propylbenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
-Xylene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
thylene Chloride	ug/l	NA	100	6	7.0	5	NA	7.0	7.0
u zene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
nzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
pyltoluene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
-Butylbenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
rene	ug/l	NA	100	6	1.0	100	NA	1.0	1.0
-Butylbenzene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
trachloroethene	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
trahydrofuran	ug/l	NA	100	6	20.0	NA	NA	20.0	20.0
luene	ug/l	NA	100	6	1.0	1000	NA	1.0	1.0
ns-1,2-Dichloroethene	ug/l	NA	100	6	1.0	100	NA	1.0	1.0
ns-1,3-Dichloropropene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
ns-1,4-Dichloro-2-Butene	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
ichloroethene	ug/l	NA	100	6	1.0	5	NA	1.0	1.0
ichlorofluoromethane	ug/l	NA	100	6	1.0	NA	NA	1.0	1.0
nyl Acetate	ug/l	NA	100	6	5.0	NA	NA	5.0	5.0
nyl Chloride	ug/l	NA	100	6	2.0	2	NA	2.0	2.0
ylenes, Total	ug/l	NA	100	6	3.0	10000	NA	3.0	3.0
ological Oxygen Demand (BOD)	mg/l	Normal	6.3	1	42.6	NA	NA	42.6	42.6
l and Grease, Total	mg/l	Non-normal	81.3	5	25.0	NA	0.1	25.0	25.0
tal Organic Carbon (TOC)	mg/l	Normal	0	1	14.2	NA	NA	14.2	14.2
tal Dissolved Solids (TDS)	mg/l	Normal	0	1	643.3	1200	500	643.3	643.3

atistical Method Code for estimating the Upper 95% Tolerance Limit (TL):
1 = Upper 95% TL, original data, 1/2 method detection limit (MDL) substituted for non-detects.
2 = Upper 95% TL, log-transformed data, 1/2 MDL substituted for non-detects.
3 = Upper 95% TL, original data, Cohen's adjustment for non-detects.
4 = Upper 95% TL, log-transformed data, Cohen's adjustment for non-detects.
5 = Maximum detected background value
6 = Largest MDL

otes:
r nilligrams per liter
andard units
cm = micrombos per centimeter
micrograms per liter
Dissolved = filtered sample using 0.45 mciron filter
Total = unfiltered sample
Applicable Groundwater Quality Standard (AGQS) is established as the Upper 95% TL
NA = Not Applicable

TABLE 812.317-4
APPLICABLE GROUNDWATER QUALITY STANDARDS AND MAXIMUM ALLOWABLE PREDICTED CONCENTRATIONS - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Parameter	Unit	Data Distribution	Percent Non-Detects	Statistical Method	Upper 95% Tolerance Limit	35 IAC 620.410 Standard	35 IAC 302.304 Standard	Applicable Groundwater Quality Standard	Maximum Allowable Predicted Concentration
nical Oxygen Demand (COD)	mg/l	Lognormal	18.8	3	122.3	NA	NA	122.3	122.3
ield Aqueous	s.u.	Normal	0	1	6.32-7.48	6.5 - 9	NA	6.32-7.48	6.32-7.48
ific Conductance, Field	umhos/cm	Normal	0	1	1199.2	NA	NA	1,199.2	1,199.2
)	ug/l	NA	100	5	0.1	70	100	0.10	0.10
hlor	ug/l	NA	100	5	0.4	2	NA	0.40	0.40
carb	ug/l	NA	100	5	0.4	3	NA	0.40	0.40
zine	ug/l	NA	100	5	0.2	3	NA	0.20	0.20
oxychlor	ug/l	NA	100	5	0.5	40	100	0.50	0.50
ex	ug/l	NA	100	5	0.05	50	10	0.05	0.05
azine	ug/l	NA	100	5	0.2	4	NA	0.20	0.20
nonia, Dissolved	mg/l	Non-normal	0	4	17.0	NA	NA	17.0	17.0
noma, Total	mg/l	Non-normal	0	4	18.0	NA	NA	18.0	18.0
oride, Dissolved	mg/l	Lognormal	0	4	16.0	NA	NA	16.0	16.0
oride, Total	mg/l	Normal	0	1	13.0	200	250	13.0	13.0
nide, Total	mg/l	NA	100	5	0.005	0.2	NA	0.0050	0.0050
oride, Total	mg/l	Normal	0	1	0.58	4	NA	0.58	0.58
ate/Nitrite as N, Dissolved	mg/l	Non-normal	75	4	0.51	NA	NA	0.5	0.5
ate/Nitrite as N, Total	mg/l	Non-normal	87.5	4	0.4	10	NA	0.40	0.40
fate, Dissolved	mg/l	Non-normal	31.3	4	22	NA	NA	22.0	22.0
fate, Total	mg/l	Lognormal	25	3	56.7	400	NA	56.7	56.7
minum, Total	ug/l	Lognormal	0	2	60,412	NA	NA	60,412.0	60,412.0
tim Total	ug/l	NA	100	5	3	6	NA	3.0	3.0
tal	ug/l	Normal	0	1	113.4	50	50	50.0	50.0
issolved	ug/l	Normal	0	1	107.3	NA	NA	107.3	107.3
um, Total	ug/l	Normal	0	1	541.1	2000	1000	541.1	541.1
yllium, Total	ug/l	Non-normal	87.5	4	2.6	4	NA	2.6	2.6
ron, Dissolved	ug/l	Normal	0	1	564.1	NA	NA	564.1	564.1
ron, Total	ug/l	Normal	0	1	544.8	2000	NA	544.8	544.8
dmium, Dissolved	ug/l	Non-normal	93.8	4	1	NA	NA	1.0	1.0
dmium, Total	ug/l	NA	100	5	1	5	10	1.0	1.0
lcium, Total	mg/l	Lognormal	0	2	224.0	NA	NA	224.0	224.0
romium, Total	ug/l	Lognormal	12.5	2	142.7	100	50	50.0	50.0
balt, Total	ug/l	Non-normal	50	4	26	1000	NA	26.0	26.0
pper, Total	ug/l	Lognormal	31.3	3	143.4	650	NA	143.4	143.4
n, Dissolved	ug/l	Normal	0	1	12,759.2	NA	300	300.0	300.0
n, Total	ug/l	Lognormal	0	4	79,000	5000	NA	5,000.0	5,000.0
ad, Dissolved	ug/l	Non-normal	93.8	4	2.5	NA	NA	2.5	2.5
ad, Total	ug/l	Non-normal	56.3	4	46.0	7.5	50	7.5	7.5
agnesium, Total	mg/l	Lognormal	0	2	111.0	NA	NA	111.0	111.0
anganese, Dissolved	ug/l	Normal	0	1	272.9	NA	NA	272.9	272.9
anganese, Total	ug/l	Lognormal	0	4	1,100	150	150	150.0	150.0
ercury, Total	ug/l	NA	100	5	0.2	2	NA	0.2	0.2
ercury, Dissolved	ug/l	NA	100	5	0.2	NA	NA	0.20	0.20
ickel, Total	ug/l	Lognormal	12.5	2	386.6	100	NA	100.0	100.0
otassium, Total	mg/l	Normal	0	1	19.8	NA	NA	19.8	19.8
elenium, Total	ug/l	Non-normal	81.3	4	2.2	50	10	2.2	2.2
ilver, Total	ug/l	NA	100	5	5	50	NA	5.0	5.0
odium, Total	mg/l	Normal	0	1	61.7	NA	NA	61.7	61.7
hallium, Total	ug/l	NA	100	5	1	2	NA	1.0	1.0
anadium, Total	ug/l	Non-normal	62.5	4	75	NA	NA	75.0	75.0
inc, Dissolved	ug/l	Lognormal	31.3	3	54.8	NA	NA	54.8	54.8
inc Total	ug/l	Lognormal	6.3	2	185.4	5000	NA	185.4	185.4
	ug/l	NA	100	5	0.1	NA	50	0.10	0.10
	ug/l	NA	100	5	0.05	NA	1	0.05	0.05
arbofuran	ug/l	NA	100	5	1.5	40	NA	1.50	1.5
hlordane (Tech)	ug/l	NA	100	5	0.5	2	3	0.50	0.5
alapon	ug/l	NA	100	5	1.5	200	NA	1.50	1.5
Dieldrin	ug/l	NA	100	5	0.1	NA	1	0.10	0.10

TABLE 812.317-4
APPLICABLE GROUNDWATER QUALITY STANDARDS AND MAXIMUM ALLOWABLE PREDICTED CONCENTRATIONS - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Parameter	Unit	Data Distribution	Percent Non-Detects	Statistical Method	Upper 95% Tolerance Limit	35 IAC 620.410 Standard	35 IAC 302.304 Standard	Applicable Groundwater Quality Standard	Maximum Allowable Predicted Concentration
Dinoseb	ug/l	NA	100	5	0.2	7	NA	0.20	0.20
Endothal	ug/l	NA	100	5	40	100	NA	40.00	40.0
Endrin	ug/l	NA	100	5	0.1	2	0.2	0.10	0.10
gamma-BHC (Lindane)	ug/l	NA	100	5	0.05	0.2	4	0.05	0.05
Heptachlor	ug/l	NA	100	5	0.05	0.4	0.1	0.05	0.05
Heptachlor epoxide	ug/l	NA	100	5	0.05	0.2	0.1	0.05	0.05
Parathion	ug/l	NA	100	5	0.2	NA	100	0.20	0.20
Aroclor 1016	ug/l	NA	100	5	0.5	0.5	NA	0.50	0.50
Aroclor 1221	ug/l	NA	100	5	0.5	0.5	NA	0.50	0.50
Aroclor 1232	ug/l	NA	100	5	0.5	0.5	NA	0.50	0.50
Aroclor 1242	ug/l	NA	100	5	0.5	0.5	NA	0.50	0.50
Aroclor 1248	ug/l	NA	100	5	0.5	0.5	NA	0.50	0.50
Aroclor 1254	ug/l	NA	100	5	0.5	0.5	NA	0.50	0.50
Aroclor 1260	ug/l	NA	100	5	0.5	0.5	NA	0.50	0.50
4-Methylphenol (p-cresol)	ug/l	NA	100	5	10	NA	NA	10.0	10.0
Benzo(a)pyrene	ug/l	NA	100	5	0.2	0.2	NA	0.20	0.20
Bis(2-ethylhexyl)phthalate	ug/l	Non-normal	75	4	7.4	6	NA	6.0	6.0
Di-n-butyl phthalate	ug/l	NA	100	5	10	NA	NA	10.0	10.0
Diethyl phthalate	ug/l	NA	100	5	10	NA	NA	10.0	10.0
Dimethyl phthalate	ug/l	NA	100	5	10	NA	NA	10.0	10.0
Hexachlorobutadiene	ug/l	NA	100	5	10	NA	NA	10.0	10.0
xachlorocyclopentadiene	ug/l	NA	100	5	10	50	NA	10.0	10.0
phorone	ug/l	NA	100	5	10	NA	NA	10.0	10.0
aphthalene	ug/l	NA	100	5	10	NA	NA	10.0	10.0
Pentachlorophenol	ug/l	NA	100	5	0.05	1	NA	0.05	0.05
Phenols, Total	mg/l	NA	100	5	0.005	100	1	0.005	0.005
Picloram	ug/l	NA	100	5	0.2	500	NA	0.20	0.20
Toxaphene	ug/l	NA	100	5	1.5	3	5	1.5	1.5
1,1,1,2-Tetrachloroethane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
1,1,1-Trichloroethane	ug/l	NA	100	5	1	200	NA	1.0	1.0
1,1,2,2-Tetrachloroethane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
1,1,2-Trichloroethane	ug/l	NA	100	5	1	5	NA	1.0	1.0
1,1-Dichloroethane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
1,1-Dichloroethene	ug/l	NA	100	5	1	7	NA	1.0	1.0
1,1-Dichloropropene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
1,2,3-Trichlorobenzene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
1,2,3-Trichloropropane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
1,2,4-Trichlorobenzene	ug/l	NA	100	5	1	70	NA	1.0	1.0
1,2,4-Trimethylbenzene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
1,2-Dibromo-3-chloropropane	ug/l	NA	100	5	0.05	0.2	NA	0.05	0.05
1,2-Dichlorobenzene	ug/l	NA	100	5	1	600	NA	1.0	1.0
1,2-Dichloroethane	ug/l	NA	100	5	1	5	NA	1.0	1.0
1,2-Dichloropropane	ug/l	NA	100	5	1	5	NA	1.0	1.0
1,3,5-Trimethylbenzene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
1,3-Dichlorobenzene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
1,3 Dichloropropane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
1,4-Dichlorobenzene	ug/l	NA	100	5	1	75	NA	1.0	1.0
2,2-Dichloropropane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
2-Butanone (MEK)	ug/l	NA	100	5	5	NA	NA	5.0	5.0
2-Chlorotoluene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
2-Hexanone (MBK)	ug/l	NA	100	5	5	NA	NA	5.0	5.0
hlorotoluene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
ethyl-2-Pentanone (MIBK)	ug/l	NA	100	5	5	NA	NA	5.0	5.0
etone	ug/l	NA	100	5	10	NA	NA	10.0	10.0
Acrolein	ug/l	NA	100	5	50	NA	NA	50.0	50.0
Acrylonitrile	ug/l	NA	100	5	50	NA	NA	50.0	50.0
Benzene	ug/l	NA	100	5	1	5	NA	1.0	1.0
Bromobenzene	ug/l	NA	100	5	1	NA	NA	1.0	1.0

TABLE 812.317-4
APPLICABLE GROUNDWATER QUALITY STANDARDS AND MAXIMUM ALLOWABLE PREDICTED CONCENTRATIONS - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Parameter	Unit	Data Distribution	Percent Non-Detects	Statistical Method	Upper 95% Tolerance Limit	35 IAC 620.410 Standard	35 IAC 302.304 Standard	Applicable Groundwater Quality Standard	Maximum Allowable Predicted Concentration
nochloromethane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
nodichloromethane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
noform	ug/l	NA	100	5	1	NA	NA	1.0	1.0
nomethane	ug/l	NA	100	5	2	NA	NA	2.0	2.0
on Disulfide	ug/l	Non-normal	62.5	4	26	NA	NA	26.0	26.0
on Tetrachloride	ug/l	NA	100	5	1	5	NA	1.0	1.0
robenzene	ug/l	NA	100	5	1	100	NA	1.0	1.0
roethane	ug/l	NA	100	5	2	NA	NA	2.0	2.0
roform	ug/l	Non-normal	93.8	4	1	NA	NA	1.0	1.0
romethane	ug/l	NA	100	5	2	NA	NA	2.0	2.0
,2-Dichloroethene	ug/l	NA	100	5	1	70	NA	1.0	1.0
,3-Dichloropropene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
romochloromethane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
romomethane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
lorodifluoromethane	ug/l	NA	100	5	2	NA	NA	2.0	2.0
lbenzene	ug/l	NA	100	5	1	70	NA	1.0	1.0
lene dibromide	ug/l	NA	100	5	0.05	0.05	NA	0.05	0.05
methane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
ropylbenzene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
-Xylene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
hyl[illegible] Chloride	ug/l	NA	100	5	7	5	NA	5.0	5.0
u[illegible]zene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
[illegible]enzene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
[illegible]	ug/l	NA	100	5	1	NA	NA	1.0	1.0
opropyltoluene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
-Butylbenzene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
rene	ug/l	NA	100	5	1	100	NA	1.0	1.0
-Butylbenzene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
rachloroethene	ug/l	NA	100	5	1	5	NA	1.0	1.0
rahydrofuran	ug/l	NA	100	5	20	NA	NA	20.0	20.0
uene	ug/l	Non-normal	93.8	4	2.0	1000	NA	2.0	2.0
s-1,2-Dichloroethene	ug/l	NA	100	5	1	100	NA	1.0	1.0
s-1,3-Dichloropropene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
s-1,4-Dichloro-2-Butene	ug/l	NA	100	5	1	NA	NA	1.0	1.0
chloroethene	ug/l	NA	100	5	1	5	NA	1.0	1.0
chlorofluoromethane	ug/l	NA	100	5	1	NA	NA	1.0	1.0
yl Acetate	ug/l	NA	100	5	5	NA	NA	5.0	5.0
yl Chloride	ug/l	NA	100	5	2	2	NA	2.0	2.0
lenes, Total	ug/l	NA	100	5	3	10000	NA	3.0	3.0
logical Oxygen Demand (BOD)	mg/l	Normal	0	1	45.4	NA	NA	45.4	45.4
l and Grease, Total	mg/l	Non-normal	81.3	4	19	NA	0.1	0.1	0.1
tal Organic Carbon (TOC)	mg/l	Lognormal	0	4	46.0	NA	NA	46.0	46.0
tal Dissolved Solids (TDS)	mg/l	Normal	0	1	875.1	1200	500	500.0	500.0

tistical Method Code for estimating the Upper 95% Tolerance Limit (TL):
1 = Upper 95% TL, original data, 1/2 method detection limit (MDL) substituted for non-detects.
2 = Upper 95% TL, log-transformed data, 1/2 MDL substituted for non-detects.
3 = Upper 95% TL, log-transformed data, Cohen's adjustment for non-detects.
4 = Maximum detected background value
5 = Largest MDL

tes:
m[illegible]illigrams per liter
s [illegible]ndard units
[illegible]m = micromhos per centimeter
[illegible]icrograms per liter
[illegible]ved = filtered sample using 0.45 micron filter
Total = unfiltered sample
Applicable Groundwater Quality Standard (AGQS) is established as the Upper 95% TL
NA = Not Applicable

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	3/27/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX23S	5/5/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX23S	7/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX23S	10/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX23S	3/27/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX23S	5/5/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX23S	7/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX23S	10/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX23S	3/27/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX23S	5/5/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX23S	7/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX23S	10/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX23S	3/27/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX23S	5/5/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX23S	7/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX23S	10/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX23S	3/27/2003	1,1-Dichloroethane	ug/l	ND	1
EX23S	5/5/2003	1,1-Dichloroethane	ug/l	ND	1
EX23S	7/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX23S	10/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX23S	3/27/2003	1,1-Dichloroethene	ug/l	ND	1
EX23S	5/5/2003	1,1-Dichloroethene	ug/l	ND	1
EX23S	7/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX23S	10/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX23S	3/27/2003	1,1-Dichloropropene	ug/l	ND	1
EX23S	5/5/2003	1,1-Dichloropropene	ug/l	ND	1
EX23S	7/17/2003	1,1-Dichloropropene	ug/l	ND	1
EX23S	10/17/2003	1,1-Dichloropropene	ug/l	ND	1
EX23S	3/27/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX23S	5/5/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX23S	7/17/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX23S	10/17/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX23S	3/27/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX23S	5/5/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX23S	7/17/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX23S	10/17/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX23S	3/27/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX23S	5/5/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX23S	7/17/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX23S	10/17/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX23S	3/27/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX23S	5/5/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX23S	7/17/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX23S	10/17/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX23S	3/27/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX23S	5/5/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX23S	7/17/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX23S	10/17/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX23S	3/27/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX23S	5/5/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX23S	7/17/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX23S	10/17/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX23S	3/27/2003	1,2-Dichloroethane	ug/l	ND	1
EX23S	5/5/2003	1,2-Dichloroethane	ug/l	ND	1
EX23S	7/17/2003	1,2-Dichloroethane	ug/l	ND	1

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	10/17/2003	1,2-Dichloroethane	ug/l	ND	1
EX23S	3/27/2003	1,2-Dichloropropane	ug/l	ND	1
EX23S	5/5/2003	1,2-Dichloropropane	ug/l	ND	1
EX23S	7/17/2003	1,2-Dichloropropane	ug/l	ND	1
EX23S	10/17/2003	1,2-Dichloropropane	ug/l	ND	1
EX23S	3/27/2003	1,3 Dichloropropane	ug/l	ND	1
EX23S	5/5/2003	1,3 Dichloropropane	ug/l	ND	1
EX23S	7/17/2003	1,3 Dichloropropane	ug/l	ND	1
EX23S	10/17/2003	1,3 Dichloropropane	ug/l	ND	1
EX23S	3/27/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX23S	5/5/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX23S	7/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX23S	10/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX23S	3/27/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX23S	5/5/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX23S	7/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX23S	10/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX23S	3/27/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX23S	5/5/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX23S	7/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX23S	10/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX23S	3/27/2003	2,2-Dichloropropane	ug/l	ND	1
EX23S	5/5/2003	2,2-Dichloropropane	ug/l	ND	1
EX23S	7/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX23S	10/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX23S	3/27/2003	2,4-D	ug/l	ND	0.1
EX23S	5/5/2003	2,4-D	ug/l	ND	0.1
EX23S	7/17/2003	2,4-D	ug/l	ND	0.1
EX23S	10/17/2003	2,4-D	ug/l	ND	0.1
EX23S	3/27/2003	2-Butanone (MEK)	ug/l	ND	5
EX23S	5/5/2003	2-Butanone (MEK)	ug/l	ND	5
EX23S	7/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX23S	10/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX23S	3/27/2003	2-Chlorotoluene	ug/l	ND	1
EX23S	5/5/2003	2-Chlorotoluene	ug/l	ND	1
EX23S	7/17/2003	2-Chlorotoluene	ug/l	ND	1
EX23S	10/17/2003	2-Chlorotoluene	ug/l	ND	1
EX23S	3/27/2003	2-Hexanone (MBK)	ug/l	ND	5
EX23S	5/5/2003	2-Hexanone (MBK)	ug/l	ND	5
EX23S	7/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX23S	10/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX23S	3/27/2003	4,4'-DDT	ug/l	ND	0.1
EX23S	5/5/2003	4,4'-DDT	ug/l	ND	0.1
EX23S	7/17/2003	4,4'-DDT	ug/l	ND	0.1
EX23S	10/17/2003	4,4'-DDT	ug/l	ND	0.1
EX23S	3/27/2003	4-Chlorotoluene	ug/l	ND	1
EX23S	5/5/2003	4-Chlorotoluene	ug/l	ND	1
EX23S	7/17/2003	4-Chlorotoluene	ug/l	ND	1
EX23S	10/17/2003	4-Chlorotoluene	ug/l	ND	1
EX23S	3/27/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX23S	5/5/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX23S	7/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX23S	10/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX23S	3/27/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX23S	5/5/2003	4-Methylphenol(p-cresol)	ug/l	ND	10

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	7/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX23S	10/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX23S	3/27/2003	Acetone	ug/l	ND	10
EX23S	5/5/2003	Acetone	ug/l	ND	10
EX23S	7/17/2003	Acetone	ug/l	ND	10
EX23S	10/17/2003	Acetone	ug/l	ND	10
EX23S	3/27/2003	Acrolein	ug/l	ND	50
EX23S	5/5/2003	Acrolein	ug/l	ND	50
EX23S	7/17/2003	Acrolein	ug/l	ND	50
EX23S	10/17/2003	Acrolein	ug/l	ND	50
EX23S	3/27/2003	Acrylonitrile	ug/l	ND	50
EX23S	5/5/2003	Acrylonitrile	ug/l	ND	50
EX23S	7/17/2003	Acrylonitrile	ug/l	ND	50
EX23S	10/17/2003	Acrylonitrile	ug/l	ND	50
EX23S	3/27/2003	Alachlor	ug/l	ND	0.4
EX23S	5/5/2003	Alachlor	ug/l	ND	0.4
EX23S	7/17/2003	Alachlor	ug/l	ND	0.4
EX23S	10/17/2003	Alachlor	ug/l	ND	0.4
EX23S	3/27/2003	Aldicarb	ug/l	ND	0.4
EX23S	5/5/2003	Aldicarb	ug/l	ND	0.4
EX23S	7/17/2003	Aldicarb	ug/l	ND	0.4
EX23S	10/17/2003	Aldicarb	ug/l	ND	0.4
EX23S	3/27/2003	Aldrin	ug/l	ND	0.05
EX23S	5/5/2003	Aldrin	ug/l	ND	0.05
EX23S	7/17/2003	Aldrin	ug/l	ND	0.05
EX23S	10/17/2003	Aldrin	ug/l	ND	0.05
EX23S	3/27/2003	Aluminum, Total	ug/l	160000	50
EX23S	5/5/2003	Aluminum, Total	ug/l	460	10
EX23S	7/17/2003	Aluminum, Total	ug/l	83000	10
EX23S	10/17/2003	Aluminum, Total	ug/l	1200	10
EX23S	3/27/2003	Ammonia, Dissolved	mg/l	3.6	0.5
EX23S	5/5/2003	Ammonia, Dissolved	mg/l	11	0.05
EX23S	7/17/2003	Ammonia, Dissolved	mg/l	8.1	0.05
EX23S	10/17/2003	Ammonia, Dissolved	mg/l	8.2	0.05
EX23S	3/27/2003	Ammonia, Total	mg/l	9.6	0.5
EX23S	5/5/2003	Ammonia, Total	mg/l	12	0.05
EX23S	7/17/2003	Ammonia, Total	mg/l	9.6	0.05
EX23S	10/17/2003	Ammonia, Total	mg/l	6	0.05
EX23S	3/27/2003	Antimony, Total	ug/l	ND	3
EX23S	5/5/2003	Antimony, Total	ug/l	ND	3
EX23S	7/17/2003	Antimony, Total	ug/l	ND	3
EX23S	10/17/2003	Antimony, Total	ug/l	ND	3
EX23S	3/27/2003	Aroclor 1016	ug/l	ND	0.5
EX23S	5/5/2003	Aroclor 1016	ug/l	ND	0.5
EX23S	7/17/2003	Aroclor 1016	ug/l	ND	0.5
EX23S	10/17/2003	Aroclor 1016	ug/l	ND	0.5
EX23S	3/27/2003	Aroclor 1221	ug/l	ND	0.5
EX23S	5/5/2003	Aroclor 1221	ug/l	ND	0.5
EX23S	7/17/2003	Aroclor 1221	ug/l	ND	0.5
EX23S	10/17/2003	Aroclor 1221	ug/l	ND	0.5
EX23S	3/27/2003	Aroclor 1232	ug/l	ND	0.5
EX23S	5/5/2003	Aroclor 1232	ug/l	ND	0.5
EX23S	7/17/2003	Aroclor 1232	ug/l	ND	0.5
EX23S	10/17/2003	Aroclor 1232	ug/l	ND	0.5
EX23S	3/27/2003	Aroclor 1242	ug/l	ND	0.5

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	5/5/2003	Aroclor 1242	ug/l	ND	0.5
EX23S	7/17/2003	Aroclor 1242	ug/l	ND	0.5
EX23S	10/17/2003	Aroclor 1242	ug/l	ND	0.5
EX23S	3/27/2003	Aroclor 1248	ug/l	ND	0.5
EX23S	5/5/2003	Aroclor 1248	ug/l	ND	0.5
EX23S	7/17/2003	Aroclor 1248	ug/l	ND	0.5
EX23S	10/17/2003	Aroclor 1248	ug/l	ND	0.5
EX23S	3/27/2003	Aroclor 1254	ug/l	ND	0.5
EX23S	5/5/2003	Aroclor 1254	ug/l	ND	0.5
EX23S	7/17/2003	Aroclor 1254	ug/l	ND	0.5
EX23S	10/17/2003	Aroclor 1254	ug/l	ND	0.5
EX23S	3/27/2003	Aroclor 1260	ug/l	ND	0.5
EX23S	5/5/2003	Aroclor 1260	ug/l	ND	0.5
EX23S	7/17/2003	Aroclor 1260	ug/l	ND	0.5
EX23S	10/17/2003	Aroclor 1260	ug/l	ND	0.5
EX23S	3/27/2003	Arsenic ,Total	ug/l	160	1
EX23S	5/5/2003	Arsenic ,Total	ug/l	81	1
EX23S	7/17/2003	Arsenic ,Total	ug/l	280	1
EX23S	10/17/2003	Arsenic ,Total	ug/l	130	1
EX23S	3/27/2003	Arsenic, Dissolved	ug/l	40	1
EX23S	5/5/2003	Arsenic, Dissolved	ug/l	65	1
EX23S	7/17/2003	Arsenic, Dissolved	ug/l	51	1
EX23S	10/17/2003	Arsenic, Dissolved	ug/l	29	1
EX23S	3/27/2003	Atrazine	ug/l	ND	0.2
EX23S	5/5/2003	Atrazine	ug/l	ND	0.2
EX23S	7/17/2003	Atrazine	ug/l	ND	0.2
EX23S	10/17/2003	Atrazine	ug/l	ND	0.2
EX23S	3/27/2003	Barium, Total	ug/l	910	1
EX23S	5/5/2003	Barium, Total	ug/l	210	1
EX23S	7/17/2003	Barium, Total	ug/l	610	1
EX23S	10/17/2003	Barium, Total	ug/l	240	1
EX23S	3/27/2003	Benzene	ug/l	ND	1
EX23S	5/5/2003	Benzene	ug/l	ND	1
EX23S	7/17/2003	Benzene	ug/l	ND	1
EX23S	10/17/2003	Benzene	ug/l	ND	1
EX23S	3/27/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX23S	5/5/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX23S	7/17/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX23S	10/17/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX23S	3/27/2003	Beryllium, Total	ug/l	7.2	1
EX23S	5/5/2003	Beryllium, Total	ug/l	ND	1
EX23S	7/17/2003	Beryllium, Total	ug/l	4.5	1
EX23S	10/17/2003	Beryllium, Total	ug/l	ND	1
EX23S	3/27/2003	Bis(2-ethylhexyl)phthalate	ug/l	22	6
EX23S	5/5/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX23S	7/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX23S	10/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX23S	3/27/2003	Biological Oxygen Demand (BOD)	mg/l	22	3
EX23S	5/5/2003	Biological Oxygen Demand (BOD)	mg/l	15	3
EX23S	7/17/2003	Biological Oxygen Demand (BOD)	mg/l	25	3
EX23S	10/17/2003	Biological Oxygen Demand (BOD)	mg/l	35	3
EX23S	3/27/2003	Boron, Dissolved	ug/l	270	10
EX23S	5/5/2003	Boron, Dissolved	ug/l	290	10
EX23S	7/17/2003	Boron, Dissolved	ug/l	380	10
EX23S	10/17/2003	Boron, Dissolved	ug/l	340	10

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	3/27/2003	Boron, Total	ug/l	510	10
EX23S	5/5/2003	Boron, Total	ug/l	290	10
EX23S	7/17/2003	Boron, Total	ug/l	590	10
EX23S	10/17/2003	Boron, Total	ug/l	300	10
EX23S	3/27/2003	Bromobenzene	ug/l	ND	1
EX23S	5/5/2003	Bromobenzene	ug/l	ND	1
EX23S	7/17/2003	Bromobenzene	ug/l	ND	1
EX23S	10/17/2003	Bromobenzene	ug/l	ND	1
EX23S	3/27/2003	Bromochloromethane	ug/l	ND	1
EX23S	5/5/2003	Bromochloromethane	ug/l	ND	1
EX23S	7/17/2003	Bromochloromethane	ug/l	ND	1
EX23S	10/17/2003	Bromochloromethane	ug/l	ND	1
EX23S	3/27/2003	Bromodichloromethane	ug/l	ND	1
EX23S	5/5/2003	Bromodichloromethane	ug/l	ND	1
EX23S	7/17/2003	Bromodichloromethane	ug/l	ND	1
EX23S	10/17/2003	Bromodichloromethane	ug/l	ND	1
EX23S	3/27/2003	Bromoform	ug/l	ND	1
EX23S	5/5/2003	Bromoform	ug/l	ND	1
EX23S	7/17/2003	Bromoform	ug/l	ND	1
EX23S	10/17/2003	Bromoform	ug/l	ND	1
EX23S	3/27/2003	Bromomethane	ug/l	ND	2
?3S	5/5/2003	Bromomethane	ug/l	ND	2
.23S	7/17/2003	Bromomethane	ug/l	ND	2
X23S	10/17/2003	Bromomethane	ug/l	ND	2
EX23S	3/27/2003	Cadmium, Dissolved	ug/l	ND	1
EX23S	5/5/2003	Cadmium, Dissolved	ug/l	ND	1
EX23S	7/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX23S	10/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX23S	3/27/2003	Cadmium, Total	ug/l	ND	1
EX23S	5/5/2003	Cadmium, Total	ug/l	ND	1
EX23S	7/17/2003	Cadmium, Total	ug/l	ND	1
EX23S	10/17/2003	Cadmium, Total	ug/l	ND	1
EX23S	3/27/2003	Calcium, Total	mg/l	590	0.5
EX23S	5/5/2003	Calcium, Total	mg/l	86	0.1
EX23S	7/17/2003	Calcium, Total	mg/l	350	0.1
EX23S	10/17/2003	Calcium, Total	mg/l	94	0.1
EX23S	3/27/2003	Carbofuran	ug/l	ND	1.5
EX23S	5/5/2003	Carbofuran	ug/l	ND	1.5
EX23S	7/17/2003	Carbofuran	ug/l	ND	1.5
EX23S	10/17/2003	Carbofuran	ug/l	ND	1.5
EX23S	3/27/2003	Carbon Disulfide	ug/l	ND	1
EX23S	5/5/2003	Carbon Disulfide	ug/l	ND	1
EX23S	7/17/2003	Carbon Disulfide	ug/l	ND	1
EX23S	10/17/2003	Carbon Disulfide	ug/l	4	1
EX23S	3/27/2003	Carbon Tetrachloride	ug/l	ND	1
EX23S	5/5/2003	Carbon Tetrachloride	ug/l	ND	1
EX23S	7/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX23S	10/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX23S	3/27/2003	Chlordane (Tech)	ug/l	ND	0.5
X23S	5/5/2003	Chlordane (Tech)	ug/l	ND	0.5
X23S	7/17/2003	Chlordane (Tech)	ug/l	ND	0.5
X23S	10/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX23S	3/27/2003	Chloride, Dissolved	mg/l	6.3	1
EX23S	5/5/2003	Chloride, Dissolved	mg/l	3.8	1
EX23S	7/17/2003	Chloride, Dissolved	mg/l	3.9	1

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	10/17/2003	Chloride, Dissolved	mg/l	3.5	0.5
EX23S	3/27/2003	Chloride, Total	mg/l	4.9	1
EX23S	5/5/2003	Chloride, Total	mg/l	3.3	1
EX23S	7/17/2003	Chloride, Total	mg/l	3.3	1
EX23S	10/17/2003	Chloride, Total	mg/l	3.3	0.5
EX23S	3/27/2003	Chlorobenzene	ug/l	ND	1
EX23S	5/5/2003	Chlorobenzene	ug/l	ND	1
EX23S	7/17/2003	Chlorobenzene	ug/l	ND	1
EX23S	10/17/2003	Chlorobenzene	ug/l	ND	1
EX23S	3/27/2003	Chloroethane	ug/l	ND	2
EX23S	5/5/2003	Chloroethane	ug/l	ND	2
EX23S	7/17/2003	Chloroethane	ug/l	ND	2
EX23S	10/17/2003	Chloroethane	ug/l	ND	2
EX23S	3/27/2003	Chloroform	ug/l	ND	1
EX23S	5/5/2003	Chloroform	ug/l	ND	1
EX23S	7/17/2003	Chloroform	ug/l	ND	1
EX23S	10/17/2003	Chloroform	ug/l	ND	1
EX23S	3/27/2003	Chloromethane	ug/l	ND	2
EX23S	5/5/2003	Chloromethane	ug/l	ND	2
EX23S	7/17/2003	Chloromethane	ug/l	ND	2
EX23S	10/17/2003	Chloromethane	ug/l	ND	2
EX23S	3/27/2003	Chromium, Total	ug/l	280	20
EX23S	5/5/2003	Chromium, Total	ug/l	18	4
EX23S	7/17/2003	Chromium, Total	ug/l	190	4
EX23S	10/17/2003	Chromium, Total	ug/l	8.1	4
EX23S	3/27/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX23S	5/5/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX23S	7/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX23S	10/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX23S	3/27/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX23S	5/5/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX23S	7/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX23S	10/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX23S	3/27/2003	Cobalt, Total	ug/l	120	10
EX23S	5/5/2003	Cobalt, Total	ug/l	2.9	2
EX23S	7/17/2003	Cobalt, Total	ug/l	53	2
EX23S	10/17/2003	Cobalt, Total	ug/l	2.4	2
EX23S	3/27/2003	Chemical Oxygen Demand (COD)	mg/l	7	6
EX23S	5/5/2003	Chemical Oxygen Demand (COD)	mg/l	ND	6
EX23S	7/17/2003	Chemical Oxygen Demand (COD)	mg/l	ND	6
EX23S	10/17/2003	Chemical Oxygen Demand (COD)	mg/l	ND	6
EX23S	3/27/2003	Copper, Total	ug/l	280	3
EX23S	5/5/2003	Copper, Total	ug/l	ND	3
EX23S	7/17/2003	Copper, Total	ug/l	170	3
EX23S	10/17/2003	Copper, Total	ug/l	5	3
EX23S	3/27/2003	Cyanide, Total	mg/l	ND	0.005
EX23S	5/5/2003	Cyanide, Total	mg/l	ND	0.005
EX23S	7/17/2003	Cyanide, Total	mg/l	ND	0.005
EX23S	10/17/2003	Cyanide, Total	mg/l	ND	0.005
EX23S	3/27/2003	Dalapon	ug/l	ND	1.5
EX23S	5/5/2003	Dalapon	ug/l	ND	1.5
EX23S	7/17/2003	Dalapon	ug/l	ND	1.5
EX23S	10/17/2003	Dalapon	ug/l	ND	1.5
EX23S	3/27/2003	Dibromochloromethane	ug/l	ND	1
EX23S	5/5/2003	Dibromochloromethane	ug/l	ND	1

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	7/17/2003	Dibromochloromethane	ug/l	ND	1
EX23S	10/17/2003	Dibromochloromethane	ug/l	ND	1
EX23S	3/27/2003	Dibromomethane	ug/l	ND	1
EX23S	5/5/2003	Dibromomethane	ug/l	ND	1
EX23S	7/17/2003	Dibromomethane	ug/l	ND	1
EX23S	10/17/2003	Dibromomethane	ug/l	ND	1
EX23S	3/27/2003	Dichlorodifluoromethane	ug/l	ND	2
EX23S	5/5/2003	Dichlorodifluoromethane	ug/l	ND	2
EX23S	7/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX23S	10/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX23S	3/27/2003	Dieldrin	ug/l	ND	0.1
EX23S	5/5/2003	Dieldrin	ug/l	ND	0.1
EX23S	7/17/2003	Dieldrin	ug/l	ND	0.1
EX23S	10/17/2003	Dieldrin	ug/l	ND	0.1
EX23S	3/27/2003	Diethyl phthalate	ug/l	ND	10
EX23S	5/5/2003	Diethyl phthalate	ug/l	ND	10
EX23S	7/17/2003	Diethyl phthalate	ug/l	ND	10
EX23S	10/17/2003	Diethyl phthalate	ug/l	ND	10
EX23S	3/27/2003	Dimethyl phthalate	ug/l	ND	10
EX23S	5/5/2003	Dimethyl phthalate	ug/l	ND	10
EX23S	7/17/2003	Dimethyl phthalate	ug/l	ND	10
23S	10/17/2003	Dimethyl phthalate	ug/l	ND	10
23S	3/27/2003	Di-n-butyl phthalate	ug/l	ND	10
X23S	5/5/2003	Di-n-butyl phthalate	ug/l	ND	10
EX23S	7/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX23S	10/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX23S	3/27/2003	Dinoseb	ug/l	ND	0.2
EX23S	5/5/2003	Dinoseb	ug/l	ND	0.2
EX23S	7/17/2003	Dinoseb	ug/l	ND	0.2
EX23S	10/17/2003	Dinoseb	ug/l	ND	0.2
EX23S	3/27/2003	Endothal	ug/l	ND	40
EX23S	5/5/2003	Endothal	ug/l	ND	40
EX23S	7/17/2003	Endothal	ug/l	ND	40
EX23S	10/17/2003	Endothal	ug/l	ND	40
EX23S	3/27/2003	Endrin	ug/l	ND	0.1
EX23S	5/5/2003	Endrin	ug/l	ND	0.1
EX23S	7/17/2003	Endrin	ug/l	ND	0.1
EX23S	10/17/2003	Endrin	ug/l	ND	0.1
EX23S	3/27/2003	Ethylbenzene	ug/l	ND	1
EX23S	5/5/2003	Ethylbenzene	ug/l	ND	1
EX23S	7/17/2003	Ethylbenzene	ug/l	ND	1
EX23S	10/17/2003	Ethylbenzene	ug/l	ND	1
EX23S	3/27/2003	Ethylene dibromide	ug/l	ND	0.05
EX23S	5/5/2003	Ethylene dibromide	ug/l	ND	0.05
EX23S	7/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX23S	10/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX23S	3/27/2003	Fluoride, Total	mg/l	0.46	0.25
EX23S	5/5/2003	Fluoride, Total	mg/l	0.49	0.25
EX23S	7/17/2003	Fluoride, Total	mg/l	0.39	0.25
X23S	10/17/2003	Fluoride, Total	mg/l	0.542	0.25
X23S	3/27/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
X23S	5/5/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX23S	7/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX23S	10/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX23S	3/27/2003	Heptachlor	ug/l	ND	0.05

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	5/5/2003	Heptachlor	ug/l	ND	0.05
EX23S	7/17/2003	Heptachlor	ug/l	ND	0.05
EX23S	10/17/2003	Heptachlor	ug/l	ND	0.05
EX23S	3/27/2003	Heptachlor epoxide	ug/l	ND	0.05
EX23S	5/5/2003	Heptachlor epoxide	ug/l	ND	0.05
EX23S	7/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX23S	10/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX23S	3/27/2003	Hexachlorobutadiene	ug/l	ND	10
EX23S	5/5/2003	Hexachlorobutadiene	ug/l	ND	10
EX23S	7/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX23S	10/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX23S	3/27/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX23S	5/5/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX23S	7/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX23S	10/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX23S	3/27/2003	Iodomethane	ug/l	ND	1
EX23S	5/5/2003	Iodomethane	ug/l	ND	1
EX23S	7/17/2003	Iodomethane	ug/l	ND	1
EX23S	10/17/2003	Iodomethane	ug/l	ND	1
EX23S	3/27/2003	Iron, Dissolved	ug/l	210	10
EX23S	5/5/2003	Iron, Dissolved	ug/l	1700	10
EX23S	7/17/2003	Iron, Dissolved	ug/l	280	10
EX23S	10/17/2003	Iron, Dissolved	ug/l	140	10
EX23S	3/27/2003	Iron, Total	ug/l	290000	10
EX23S	5/5/2003	Iron, Total	ug/l	3400	10
EX23S	7/17/2003	Iron, Total	ug/l	160000	10
EX23S	10/17/2003	Iron, Total	ug/l	4200	10
EX23S	3/27/2003	Isophorone	ug/l	ND	10
EX23S	5/5/2003	Isophorone	ug/l	ND	10
EX23S	7/17/2003	Isophorone	ug/l	ND	10
EX23S	10/17/2003	Isophorone	ug/l	ND	10
EX23S	3/27/2003	Isopropylbenzene	ug/l	ND	1
EX23S	5/5/2003	Isopropylbenzene	ug/l	ND	1
EX23S	7/17/2003	Isopropylbenzene	ug/l	ND	1
EX23S	10/17/2003	Isopropylbenzene	ug/l	ND	1
EX23S	3/27/2003	Lead ,Total	ug/l	220	5
EX23S	5/5/2003	Lead ,Total	ug/l	ND	1
EX23S	7/17/2003	Lead ,Total	ug/l	95	1
EX23S	10/17/2003	Lead ,Total	ug/l	ND	1
EX23S	3/27/2003	Lead, Dissolved	ug/l	ND	1
EX23S	5/5/2003	Lead, Dissolved	ug/l	ND	1
EX23S	7/17/2003	Lead, Dissolved	ug/l	ND	1
EX23S	10/17/2003	Lead, Dissolved	ug/l	ND	1
EX23S	3/27/2003	Magnesium, Total	mg/l	280	0.5
EX23S	5/5/2003	Magnesium, Total	mg/l	52	0.1
EX23S	7/17/2003	Magnesium, Total	mg/l	180	0.1
EX23S	10/17/2003	Magnesium, Total	mg/l	55	0.1
EX23S	3/27/2003	Manganese, Dissolved	ug/l	110	1
EX23S	5/5/2003	Manganese, Dissolved	ug/l	66	1
EX23S	7/17/2003	Manganese, Dissolved	ug/l	63	1
EX23S	10/17/2003	Manganese, Dissolved	ug/l	27	1
EX23S	3/27/2003	Manganese, Total	ug/l	5000	5
EX23S	5/5/2003	Manganese, Total	ug/l	72	1
EX23S	7/17/2003	Manganese, Total	ug/l	2300	1
EX23S	10/17/2003	Manganese, Total	ug/l	43	1

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	3/27/2003	Mercury, Dissolved	ug/l	ND	0.2
EX23S	5/5/2003	Mercury, Dissolved	ug/l	ND	0.2
EX23S	7/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX23S	10/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX23S	3/27/2003	Mercury, Total	ug/l	ND	0.2
EX23S	5/5/2003	Mercury, Total	ug/l	ND	0.2
EX23S	7/17/2003	Mercury, Total	ug/l	ND	0.2
EX23S	10/17/2003	Mercury, Total	ug/l	ND	0.2
EX23S	3/27/2003	Methoxychlor	ug/l	ND	0.5
EX23S	5/5/2003	Methoxychlor	ug/l	ND	0.5
EX23S	7/17/2003	Methoxychlor	ug/l	ND	0.5
EX23S	10/17/2003	Methoxychlor	ug/l	ND	0.5
EX23S	3/27/2003	Methylene Chloride	ug/l	ND	5
EX23S	5/5/2003	Methylene Chloride	ug/l	ND	5
EX23S	7/17/2003	Methylene Chloride	ug/l	ND	5
EX23S	10/17/2003	Methylene Chloride	ug/l	7	5
EX23S	3/27/2003	Naphthalene	ug/l	ND	10
EX23S	5/5/2003	Naphthalene	ug/l	ND	10
EX23S	7/17/2003	Naphthalene	ug/l	ND	10
EX23S	10/17/2003	Naphthalene	ug/l	ND	10
EX23S	3/27/2003	n-Butylbenzene	ug/l	ND	1
[illegible]23S	5/5/2003	n-Butylbenzene	ug/l	ND	1
[illegible]X23S	7/17/2003	n-Butylbenzene	ug/l	ND	1
[illegible]X23S	10/17/2003	n-Butylbenzene	ug/l	ND	1
EX23S	3/27/2003	Nickel, Total	ug/l	340	25
EX23S	5/5/2003	Nickel, Total	ug/l	53	5
EX23S	7/17/2003	Nickel, Total	ug/l	150	5
EX23S	10/17/2003	Nickel, Total	ug/l	16	5
EX23S	3/27/2003	Nitrate/Nitrite as N, Dissolved	mg/l	ND	0.02
EX23S	5/5/2003	Nitrate/Nitrite as N, Dissolved	mg/l	ND	0.02
EX23S	7/17/2003	Nitrate/Nitrite as N, Dissolved	mg/l	ND	0.02
EX23S	10/17/2003	Nitrate/Nitrite as N, Dissolved	mg/l	ND	0.02
EX23S	3/27/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX23S	5/5/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX23S	7/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX23S	10/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX23S	3/27/2003	n-Propylbenzene	ug/l	ND	1
EX23S	5/5/2003	n-Propylbenzene	ug/l	ND	1
EX23S	7/17/2003	n-Propylbenzene	ug/l	ND	1
EX23S	10/17/2003	n-Propylbenzene	ug/l	ND	1
EX23S	3/27/2003	Oil and Grease, Total	mg/l	ND	5
EX23S	5/5/2003	Oil and Grease, Total	mg/l	ND	5
EX23S	7/17/2003	Oil and Grease, Total	mg/l	ND	5
EX23S	10/17/2003	Oil and Grease, Total	mg/l	ND	5
EX23S	3/27/2003	o-Xylene	ug/l	ND	1
EX23S	5/5/2003	o-Xylene	ug/l	ND	1
EX23S	7/17/2003	o-Xylene	ug/l	ND	1
EX23S	10/17/2003	o-Xylene	ug/l	ND	1
EX23S	3/27/2003	Parathion	ug/l	ND	0.2
EX23S	5/5/2003	Parathion	ug/l	ND	0.2
EX23S	7/17/2003	Parathion	ug/l	ND	0.2
EX23S	10/17/2003	Parathion	ug/l	ND	0.2
EX23S	3/27/2003	Pentachlorophenol	ug/l	ND	0.05
EX23S	5/5/2003	Pentachlorophenol	ug/l	ND	0.05
EX23S	7/17/2003	Pentachlorophenol	ug/l	ND	0.05

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	10/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX23S	10/17/2003	pH, Field Aqueous	s.u.	6.85	
EX23S	3/27/2003	pH, Field Aqueous	s.u.	7.16	
EX23S	5/ 5/2003	pH, Field Aqueous	s.u.	6.89	
EX23S	7/17/2003	pH, Field Aqueous	s.u.	7.07	
EX23S	3/27/2003	Phenols, Total	mg/l	ND	0.005
EX23S	5/5/2003	Phenols, Total	mg/l	ND	0.005
EX23S	7/17/2003	Phenols, Total	mg/l	ND	0.005
EX23S	10/17/2003	Phenols, Total	mg/l	ND	0.005
EX23S	3/27/2003	Picloram	ug/l	ND	0.2
EX23S	5/5/2003	Picloram	ug/l	ND	0.2
EX23S	7/17/2003	Picloram	ug/l	ND	0.2
EX23S	10/17/2003	Picloram	ug/l	ND	0.2
EX23S	3/27/2003	p-Isopropyltoluene	ug/l	ND	1
EX23S	5/5/2003	p-Isopropyltoluene	ug/l	ND	1
EX23S	7/17/2003	p-Isopropyltoluene	ug/l	ND	1
EX23S	10/17/2003	p-Isopropyltoluene	ug/l	ND	1
EX23S	3/27/2003	Potassium, Total	mg/l	50	0.5
EX23S	5/5/2003	Potassium, Total	mg/l	2.7	0.1
EX23S	7/17/2003	Potassium, Total	mg/l	32	0.1
EX23S	10/17/2003	Potassium, Total	mg/l	2.7	0.1
EX23S	3/27/2003	p-Xylene	ug/l	ND	1
EX23S	5/5/2003	p-Xylene	ug/l	ND	1
EX23S	7/17/2003	p-Xylene	ug/l	ND	1
EX23S	10/17/2003	p-Xylene	ug/l	ND	1
EX23S	3/27/2003	sec-Butylbenzene	ug/l	ND	1
EX23S	5/5/2003	sec-Butylbenzene	ug/l	ND	1
EX23S	7/17/2003	sec-Butylbenzene	ug/l	ND	1
EX23S	10/17/2003	sec-Butylbenzene	ug/l	ND	1
EX23S	3/27/2003	Selenium ,Total	ug/l	6	1
EX23S	5/5/2003	Selenium ,Total	ug/l	ND	1
EX23S	7/17/2003	Selenium ,Total	ug/l	3.5	1
EX23S	10/17/2003	Selenium ,Total	ug/l	1	1
EX23S	3/27/2003	Silver, Total	ug/l	ND	5
EX23S	5/5/2003	Silver, Total	ug/l	ND	5
EX23S	7/17/2003	Silver, Total	ug/l	ND	5
EX23S	10/17/2003	Silver, Total	ug/l	ND	5
EX23S	3/27/2003	Silvex	ug/l	ND	0.05
EX23S	5/5/2003	Silvex	ug/l	ND	0.05
EX23S	7/17/2003	Silvex	ug/l	ND	0.05
EX23S	10/17/2003	Silvex	ug/l	ND	0.05
EX23S	3/27/2003	Simazine	ug/l	ND	0.2
EX23S	5/5/2003	Simazine	ug/l	ND	0.2
EX23S	7/17/2003	Simazine	ug/l	ND	0.2
EX23S	10/17/2003	Simazine	ug/l	ND	0.2
EX23S	3/27/2003	Sodium, Total	mg/l	25	0.5
EX23S	5/5/2003	Sodium, Total	mg/l	24	0.1
EX23S	7/17/2003	Sodium, Total	mg/l	25	0.1
EX23S	10/17/2003	Sodium, Total	mg/l	24	0.1
EX23S	10/17/2003	Specific Conductance, Field	umhos/cm	785	
EX23S	3/27/2003	Specific Conductance, Field	umhos/cm	804	
EX23S	5/ 5/2003	Specific Conductance, Field	umhos/cm	900	
EX23S	7/17/2003	Specific Conductance, Field	umhos/cm	861	
EX23S	3/27/2003	Styrene	ug/l	ND	1
EX23S	5/5/2003	Styrene	ug/l	ND	1

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	7/17/2003	Styrene	ug/l	ND	1
EX23S	10/17/2003	Styrene	ug/l	ND	1
EX23S	3/27/2003	Sulfate, Dissolved	mg/l	4.1	1
EX23S	5/5/2003	Sulfate, Dissolved	mg/l	1.9	1
EX23S	7/17/2003	Sulfate, Dissolved	mg/l	1.3	1
EX23S	10/17/2003	Sulfate, Dissolved	mg/l	1.1	1
EX23S	3/27/2003	Sulfate, Total	mg/l	2.9	1
EX23S	5/5/2003	Sulfate, Total	mg/l	1.8	1
EX23S	7/17/2003	Sulfate, Total	mg/l	1	1
EX23S	10/17/2003	Sulfate, Total	mg/l	1.1	1
EX23S	3/27/2003	tert-Butylbenzene	ug/l	ND	1
EX23S	5/5/2003	tert-Butylbenzene	ug/l	ND	1
EX23S	7/17/2003	tert-Butylbenzene	ug/l	ND	1
EX23S	10/17/2003	tert-Butylbenzene	ug/l	ND	1
EX23S	3/27/2003	Tetrachloroethene	ug/l	ND	1
EX23S	5/5/2003	Tetrachloroethene	ug/l	ND	1
EX23S	7/17/2003	Tetrachloroethene	ug/l	ND	1
EX23S	10/17/2003	Tetrachloroethene	ug/l	ND	1
EX23S	3/27/2003	Tetrahydrofuran	ug/l	ND	20
EX23S	5/5/2003	Tetrahydrofuran	ug/l	ND	20
EX23S	7/17/2003	Tetrahydrofuran	ug/l	ND	20
EX23S	10/17/2003	Tetrahydrofuran	ug/l	ND	20
EX23S	3/27/2003	Thallium ,Total	ug/l	1.7	1
EX23S	5/5/2003	Thallium ,Total	ug/l	ND	1
EX23S	7/17/2003	Thallium ,Total	ug/l	ND	1
EX23S	10/17/2003	Thallium ,Total	ug/l	ND	1
EX23S	3/27/2003	Total Organic Carbon (TOC)	mg/l	8.6	0.5
EX23S	5/5/2003	Total Organic Carbon (TOC)	mg/l	7.3	0.5
EX23S	7/17/2003	Total Organic Carbon (TOC)	mg/l	8.2	0.5
EX23S	10/17/2003	Total Organic Carbon (TOC)	mg/l	8.3	0.5
EX23S	3/27/2003	Toluene	ug/l	ND	1
EX23S	5/5/2003	Toluene	ug/l	ND	1
EX23S	7/17/2003	Toluene	ug/l	ND	1
EX23S	10/17/2003	Toluene	ug/l	ND	1
EX23S	3/27/2003	Total Dissolved Solids	mg/l	490	17
EX23S	5/5/2003	Total Dissolved Solids	mg/l	550	17
EX23S	7/17/2003	Total Dissolved Solids	mg/l	560	17
EX23S	10/17/2003	Total Dissolved Solids	mg/l	520	17
EX23S	3/27/2003	Toxaphene	ug/l	ND	1.5
EX23S	5/5/2003	Toxaphene	ug/l	ND	1.5
EX23S	7/17/2003	Toxaphene	ug/l	ND	1.5
EX23S	10/17/2003	Toxaphene	ug/l	ND	1.5
EX23S	3/27/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX23S	5/5/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX23S	7/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX23S	10/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX23S	3/27/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX23S	5/5/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX23S	7/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX23S	10/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX23S	3/27/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX23S	5/5/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX23S	7/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX23S	10/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX23S	3/27/2003	Trichloroethene	ug/l	ND	1

TABLE 812.317-5
BACKGROUND GROUNDWATER QUALITY DATA - UPPER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX23S	5/5/2003	Trichloroethene	ug/l	ND	1
EX23S	7/17/2003	Trichloroethene	ug/l	ND	1
EX23S	10/17/2003	Trichloroethene	ug/l	ND	1
EX23S	3/27/2003	Trichlorofluoromethane	ug/l	ND	1
EX23S	5/5/2003	Trichlorofluoromethane	ug/l	ND	1
EX23S	7/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX23S	10/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX23S	3/27/2003	Vanadium, Total	ug/l	290	25
EX23S	5/5/2003	Vanadium, Total	ug/l	ND	5
EX23S	7/17/2003	Vanadium, Total	ug/l	160	5
EX23S	10/17/2003	Vanadium, Total	ug/l	ND	5
EX23S	3/27/2003	Vinyl Acetate	ug/l	ND	5
EX23S	5/5/2003	Vinyl Acetate	ug/l	ND	5
EX23S	7/17/2003	Vinyl Acetate	ug/l	ND	5
EX23S	10/17/2003	Vinyl Acetate	ug/l	ND	5
EX23S	3/27/2003	Vinyl Chloride	ug/l	ND	2
EX23S	5/5/2003	Vinyl Chloride	ug/l	ND	2
EX23S	7/17/2003	Vinyl Chloride	ug/l	ND	2
EX23S	10/17/2003	Vinyl Chloride	ug/l	ND	2
EX23S	3/27/2003	Xylenes, Total	ug/l	ND	3
EX23S	5/5/2003	Xylenes, Total	ug/l	ND	3
EX23S	7/17/2003	Xylenes, Total	ug/l	ND	3
EX23S	10/17/2003	Xylenes, Total	ug/l	ND	3
EX23S	3/27/2003	Zinc, Total	ug/l	650	6
EX23S	5/5/2003	Zinc, Total	ug/l	17	6
EX23S	7/17/2003	Zinc, Total	ug/l	350	6
EX23S	10/17/2003	Zinc, Total	ug/l	33	6
EX23S	3/27/2003	Zinc, Dissolved	ug/l	14	6
EX23S	5/5/2003	Zinc, Dissolved	ug/l	15	6
EX23S	7/17/2003	Zinc, Dissolved	ug/l	ND	6
EX23S	10/17/2003	Zinc, Dissolved	ug/l	9.1	6

Notes:
1. ND = Not-Detected at the specified MDL.
2. ug/l = micrograms per liter = parts per billion (ppb.)
3. mg/l = milligrams per liter = parts per million (ppm.)
4. s.u. = standard units
5. umhos/cm = micromhos per centimeter
6. Total = unfiltered sample
7. Dissolved = filtered sample

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX4	3/27/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX4	5/5/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX4	7/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX4	10/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX4	3/27/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX4	5/5/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX4	7/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX4	10/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX4	3/27/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX4	5/5/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX4	7/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX4	10/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX4	3/27/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX4	5/5/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX4	7/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX4	10/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX4	3/27/2003	1,1-Dichloroethane	ug/l	ND	1
EX4	5/5/2003	1,1-Dichloroethane	ug/l	ND	1
EX4	7/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX4	10/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX4	3/27/2003	1,1-Dichloroethene	ug/l	ND	1
EX4	5/5/2003	1,1-Dichloroethene	ug/l	ND	1
EX4	7/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX4	[redacted]		ug/l	ND	1
EX4			ug/l	ND	1
EX4			ug/l	ND	1
EX4

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX4	10/17/2003	1,2-Dichloropropane	ug/l	ND	1
EX4	3/27/2003	1,3 Dichloropropane	ug/l	ND	1
EX4	5/5/2003	1,3 Dichloropropane	ug/l	ND	1
EX4	7/17/2003	1,3 Dichloropropane	ug/l	ND	1
EX4	10/17/2003	1,3 Dichloropropane	ug/l	ND	1
EX4	3/27/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX4	5/5/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX4	7/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX4	10/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX4	3/27/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX4	5/5/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX4	7/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX4	10/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX4	3/27/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX4	5/5/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX4	7/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX4	10/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX4	3/27/2003	2,2-Dichloropropane	ug/l	ND	1
EX4	5/5/2003	2,2-Dichloropropane	ug/l	ND	1
EX4	7/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX4	10/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX4	3/27/2003	2,4-D	ug/l	ND	1
EX4	5/5/2003	2,4-D	ug/l	ND	0.1
EX4	7/17/2003	2,4-D	ug/l	ND	0.1
EX4	10/17/2003	2,4-D	ug/l	ND	0.1
EX4	3/27/2003	2-Butanone (MEK)	ug/l	ND	0.1
EX4	5/5/2003	2-Butanone (MEK)	ug/l	ND	5
EX4	7/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX4	10/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX4	3/27/2003	2-Chlorotoluene	ug/l	ND	5
EX4	5/5/2003	2-Chlorotoluene	ug/l	ND	1
EX4	7/17/2003	2-Chlorotoluene	ug/l	ND	1
EX4	10/17/2003	2-Chlorotoluene	ug/l	ND	1
EX4	3/27/2003	2-Hexanone (MBK)	ug/l	ND	1
EX4	5/5/2003	2-Hexanone (MBK)	ug/l	ND	5
EX4	7/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX4	10/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX4	3/27/2003	4,4'-DDT	ug/l	ND	5
EX4	5/5/2003	4,4'-DDT	ug/l	ND	0.1
EX4	7/17/2003	4,4'-DDT	ug/l	ND	0.1
EX4	10/17/2003	4,4'-DDT	ug/l	ND	0.1
EX4	3/27/2003	4-Chlorotoluene	ug/l	ND	0.1
EX4	5/5/2003	4-Chlorotoluene	ug/l	ND	1
EX4	7/17/2003	4-Chlorotoluene	ug/l	ND	1
EX4	10/17/2003	4-Chlorotoluene	ug/l	ND	1
EX4	3/27/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	1
EX4	5/5/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX4	7/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX4	10/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX4	3/27/2003	4-Methylphenol(p-cresol)	ug/l	ND	5
EX4	5/5/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX4	7/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX4	10/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX4	3/27/2003	Acetone	ug/l	ND	10
EX4	5/5/2003	Acetone	ug/l	ND	10
EX4	7/17/2003	Acetone	ug/l	ND	10
EX4	10/17/2003	Acetone	ug/l	ND	10
EX4	3/27/2003	Acrolein	ug/l	ND	10
EX4	5/5/2003	Acrolein	ug/l	ND	50
			ug/l	ND	50

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX4	7/17/2003	Acrolein	ug/l	ND	50
EX4	10/17/2003	Acrolein	ug/l	ND	50
EX4	3/27/2003	Acrylonitrile	ug/l	ND	50
EX4	5/5/2003	Acrylonitrile	ug/l	ND	50
EX4	7/17/2003	Acrylonitrile	ug/l	ND	50
EX4	10/17/2003	Acrylonitrile	ug/l	ND	50
EX4	3/27/2003	Alachlor	ug/l	ND	0.4
EX4	5/5/2003	Alachlor	ug/l	ND	0.4
EX4	7/17/2003	Alachlor	ug/l	ND	0.4
EX4	10/17/2003	Alachlor	ug/l	ND	0.4
EX4	3/27/2003	Aldicarb	ug/l	ND	0.4
EX4	5/5/2003	Aldicarb	ug/l	ND	0.4
EX4	7/17/2003	Aldicarb	ug/l	ND	0.4
EX4	10/17/2003	Aldicarb	ug/l	ND	0.4
EX4	3/27/2003	Aldrin	ug/l	ND	0.05
EX4	5/5/2003	Aldrin	ug/l	ND	0.05
EX4	7/17/2003	Aldrin	ug/l	ND	0.05
EX4	10/17/2003	Aldrin	ug/l	ND	0.05
EX4	3/27/2003	Aluminum, Total	ug/l	78000	50
EX4	5/5/2003	Aluminum, Total	ug/l	8600	10
EX4	7/17/2003	Aluminum, Total	ug/l	8800	10
EX4	10/17/2003	Aluminum, Total	ug/l	20000	10
EX4	3/27/2003	Ammonia, Dissolved	mg/l	14	0.5
EX4	5/5/2003	Ammonia, Dissolved	mg/l	12	0.05
EX4	7/17/2003	Ammonia, Dissolved	mg/l	13	0.05
EX4	10/17/2003	Ammonia, Dissolved	mg/l	11	0.05
EX4	3/27/2003	Ammonia, Total	mg/l	13	0.5
EX4	5/5/2003	Ammonia, Total	mg/l	12	0.05
EX4	7/17/2003	Ammonia, Total	mg/l	13	0.05
EX4	10/17/2003	Ammonia, Total	mg/l	11	0.05
EX4	3/27/2003	Antimony, Total	ug/l	ND	3
EX4	5/5/2003	Antimony, Total	ug/l	ND	3
EX4	7/17/2003	Antimony, Total	ug/l	ND	3
EX4	10/17/2003	Antimony, Total	ug/l	ND	3
EX4	3/27/2003	Aroclor 1016	ug/l	ND	0.5
EX4	5/5/2003	Aroclor 1016	ug/l	ND	0.5
EX4	7/17/2003	Aroclor 1016	ug/l	ND	0.5
EX4	10/17/2003	Aroclor 1016	ug/l	ND	0.5
EX4	3/27/2003	Aroclor 1221	ug/l	ND	0.5
EX4	5/5/2003	Aroclor 1221	ug/l	ND	0.5
EX4	7/17/2003	Aroclor 1221	ug/l	ND	0.5
EX4	10/17/2003	Aroclor 1221	ug/l	ND	0.5
EX4	3/27/2003	Aroclor 1232	ug/l	ND	0.5
EX4	5/5/2003	Aroclor 1232	ug/l	ND	0.5
EX4	7/17/2003	Aroclor 1232	ug/l	ND	0.5
EX4	10/17/2003	Aroclor 1232	ug/l	ND	0.5
EX4	3/27/2003	Aroclor 1242	ug/l	ND	0.5
EX4	5/5/2003	Aroclor 1242	ug/l	ND	0.5
EX4	7/17/2003	Aroclor 1242	ug/l	ND	0.5
EX4	10/17/2003	Aroclor 1242	ug/l	ND	0.5
EX4	3/27/2003	Aroclor 1248	ug/l	ND	0.5
EX4	5/5/2003	Aroclor 1248	ug/l	ND	0.5
EX4	7/17/2003	Aroclor 1248	ug/l	ND	0.5
EX4	10/17/2003	Aroclor 1248	ug/l	ND	0.5
EX4	3/27/2003	Aroclor 1254	ug/l	ND	0.5
EX4	5/5/2003	Aroclor 1254	ug/l	ND	0.5
EX4	7/17/2003	Aroclor 1254	ug/l	ND	0.5
EX4	10/17/2003	Aroclor 1254	ug/l	ND	0.5
EX4	3/27/2003	Aroclor 1260	ug/l	ND	0.5

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX4	5/5/2003	Aroclor 1260	ug/l	ND	0.5
EX4	7/17/2003	Aroclor 1260	ug/l	ND	0.5
EX4	10/17/2003	Aroclor 1260	ug/l	ND	0.5
EX4	3/27/2003	Arsenic, Total	ug/l	96	1
EX4	5/5/2003	Arsenic, Total	ug/l	33	1
EX4	7/17/2003	Arsenic, Total	ug/l	34	1
EX4	10/17/2003	Arsenic, Total	ug/l	44	1
EX4	3/27/2003	Arsenic, Dissolved	ug/l	33	1
EX4	5/5/2003	Arsenic, Dissolved	ug/l	34	1
EX4	7/17/2003	Arsenic, Dissolved	ug/l	27	1
EX4	10/17/2003	Arsenic, Dissolved	ug/l	38	1
EX4	3/27/2003	Atrazine	ug/l	ND	0.2
EX4	5/5/2003	Atrazine	ug/l	ND	0.2
EX4	7/17/2003	Atrazine	ug/l	ND	0.2
EX4	10/17/2003	Atrazine	ug/l	ND	0.2
EX4	3/27/2003	Barium, Total	ug/l	690	1
EX4	5/5/2003	Barium, Total	ug/l	340	1
EX4	7/17/2003	Barium, Total	ug/l	280	1
EX4	10/17/2003	Barium, Total	ug/l	330	1
EX4	3/27/2003	Benzene	ug/l	ND	1
EX4	5/5/2003	Benzene	ug/l	ND	1
EX4	7/17/2003	Benzene	ug/l	ND	1
EX4	10/17/2003	Benzene	ug/l	ND	1
EX4	3/27/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX4	5/5/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX4	7/17/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX4	10/17/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX4	3/27/2003	Beryllium, Total	ug/l	4.3	1
EX4	5/5/2003	Beryllium, Total	ug/l	ND	1
EX4	7/17/2003	Beryllium, Total	ug/l	ND	1
EX4	10/17/2003	Beryllium, Total	ug/l	ND	1
EX4	3/27/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX4	5/5/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX4	7/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX4	10/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX4	3/27/2003	Biological Oxygen Demand (BOD)	mg/l	22	3
EX4	5/5/2003	Biological Oxygen Demand (BOD)	mg/l	18	3
EX4	7/17/2003	Biological Oxygen Demand (BOD)	mg/l	32	3
EX4	10/17/2003	Biological Oxygen Demand (BOD)	mg/l	35	3
EX4	3/27/2003	Boron, Dissolved	ug/l	420	10
EX4	5/5/2003	Boron, Dissolved	ug/l	460	10
EX4	7/17/2003	Boron, Dissolved	ug/l	570	10
EX4	10/17/2003	Boron, Dissolved	ug/l	540	10
EX4	3/27/2003	Boron, Total	ug/l	500	10
EX4	5/5/2003	Boron, Total	ug/l	500	10
EX4	7/17/2003	Boron, Total	ug/l	480	10
EX4	10/17/2003	Boron, Total	ug/l	480	10
EX4	3/27/2003	Bromobenzene	ug/l	ND	1
EX4	5/5/2003	Bromobenzene	ug/l	ND	1
EX4	7/17/2003	Bromobenzene	ug/l	ND	1
EX4	10/17/2003	Bromobenzene	ug/l	ND	1
EX4	3/27/2003	Bromochloromethane	ug/l	ND	1
EX4	5/5/2003	Bromochloromethane	ug/l	ND	1
EX4	7/17/2003	Bromochloromethane	ug/l	ND	1
EX4	10/17/2003	Bromochloromethane	ug/l	ND	1
EX4	3/27/2003	Bromodichloromethane	ug/l	ND	1
EX4	5/5/2003	Bromodichloromethane	ug/l	ND	1
EX4	7/17/2003	Bromodichloromethane	ug/l	ND	1
EX4	10/17/2003	Bromodichloromethane	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX4	3/27/2003	Bromoform	ug/l	ND	1
EX4	5/5/2003	Bromoform	ug/l	ND	1
EX4	7/17/2003	Bromoform	ug/l	ND	1
EX4	10/17/2003	Bromoform	ug/l	ND	1
EX4	3/27/2003	Bromomethane	ug/l	ND	2
EX4	5/5/2003	Bromomethane	ug/l	ND	2
EX4	7/17/2003	Bromomethane	ug/l	ND	2
EX4	10/17/2003	Bromomethane	ug/l	ND	2
EX4	3/27/2003	Cadmium, Dissolved	ug/l	ND	1
EX4	5/5/2003	Cadmium, Dissolved	ug/l	ND	1
EX4	7/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX4	10/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX4	3/27/2003	Cadmium, Total	ug/l	ND	1
EX4	5/5/2003	Cadmium, Total	ug/l	ND	1
EX4	7/17/2003	Cadmium, Total	ug/l	ND	1
EX4	10/17/2003	Cadmium, Total	ug/l	ND	1
EX4	3/27/2003	Calcium, Total	mg/l	530	0.5
EX4	5/5/2003	Calcium, Total	mg/l	96	0.1
EX4	7/17/2003	Calcium, Total	mg/l	120	0.1
EX4	10/17/2003	Calcium, Total	mg/l	200	0.1
EX4	3/27/2003	Carbofuran	ug/l	ND	1.5
EX4	5/5/2003	Carbofuran	ug/l	ND	1.5
EX4	7/17/2003	Carbofuran	ug/l	ND	1.5
EX4	10/17/2003	Carbofuran	ug/l	ND	1.5
EX4	3/27/2003	Carbon Disulfide	ug/l	2	1
EX4	5/5/2003	Carbon Disulfide	ug/l	ND	1
EX4	7/17/2003	Carbon Disulfide	ug/l	8	1
EX4	10/17/2003	Carbon Disulfide	ug/l	ND	1
EX4	3/27/2003	Carbon Tetrachloride	ug/l	ND	1
EX4	5/5/2003	Carbon Tetrachloride	ug/l	ND	1
EX4	7/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX4	10/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX4	3/27/2003	Chlordane (Tech)	ug/l	ND	0.5
EX4	5/5/2003	Chlordane (Tech)	ug/l	ND	0.5
EX4	7/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX4	10/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX4	3/27/2003	Chloride, Dissolved	mg/l	1.7	1
EX4	5/5/2003	Chloride, Dissolved	mg/l	1.5	1
EX4	7/17/2003	Chloride, Dissolved	mg/l	1.4	1
EX4	10/17/2003	Chloride, Dissolved	mg/l	1.6	0.5
EX4	3/27/2003	Chloride, Total	mg/l	1.6	1
EX4	5/5/2003	Chloride, Total	mg/l	1.6	1
EX4	7/17/2003	Chloride, Total	mg/l	1.4	1
EX4	10/17/2003	Chloride, Total	mg/l	2	0.5
EX4	3/27/2003	Chlorobenzene	ug/l	ND	1
EX4	5/5/2003	Chlorobenzene	ug/l	ND	1
EX4	7/17/2003	Chlorobenzene	ug/l	ND	1
EX4	10/17/2003	Chlorobenzene	ug/l	ND	1
EX4	3/27/2003	Chloroethane	ug/l	ND	2
EX4	5/5/2003	Chloroethane	ug/l	ND	2
EX4	7/17/2003	Chloroethane	ug/l	ND	2
EX4	10/17/2003	Chloroethane	ug/l	ND	2
EX4	3/27/2003	Chloroform	ug/l	ND	1
EX4	5/5/2003	Chloroform	ug/l	ND	1
EX4	7/17/2003	Chloroform	ug/l	ND	1
EX4	10/17/2003	Chloroform	ug/l	ND	1
EX4	3/27/2003	Chloromethane	ug/l	ND	2
EX4	5/5/2003	Chloromethane	ug/l	ND	2
EX4	7/17/2003	Chloromethane	ug/l	ND	2

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX4	10/17/2003	Chloromethane	ug/l	ND	2
EX4	3/27/2003	Chromium, Total	ug/l	220	20
EX4	5/5/2003	Chromium, Total	ug/l	19	4
EX4	7/17/2003	Chromium, Total	ug/l	20	4
EX4	10/17/2003	Chromium, Total	ug/l	57	4
EX4	3/27/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX4	5/5/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX4	7/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX4	10/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX4	3/27/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX4	5/5/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX4	7/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX4	10/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX4	3/27/2003	Cobalt, Total	ug/l	54	10
EX4	5/5/2003	Cobalt, Total	ug/l	4	2
EX4	7/17/2003	Cobalt, Total	ug/l	4.8	2
EX4	10/17/2003	Cobalt, Total	ug/l	11	2
EX4	3/27/2003	Chemical Oxygen Demand (COD)	mg/l	26	6
EX4	5/5/2003	Chemical Oxygen Demand (COD)	mg/l	15	6
EX4	7/17/2003	Chemical Oxygen Demand (COD)	mg/l	26	6
EX4	10/17/2003	Chemical Oxygen Demand (COD)	mg/l	15	6
EX4	3/27/2003	Copper, Total	ug/l	110	3
EX4	5/5/2003	Copper, Total	ug/l	8.5	3
EX4	7/17/2003	Copper, Total	ug/l	12	3
EX4	10/17/2003	Copper, Total	ug/l	22	3
EX4	3/27/2003	Cyanide, Total	mg/l	ND	0.005
EX4	5/5/2003	Cyanide, Total	mg/l	ND	0.005
EX4	7/17/2003	Cyanide, Total	mg/l	ND	0.005
EX4	10/17/2003	Cyanide, Total	mg/l	ND	0.005
EX4	3/27/2003	Dalapon	ug/l	ND	1.5
EX4	5/5/2003	Dalapon	ug/l	ND	1.5
EX4	7/17/2003	Dalapon	ug/l	ND	1.5
EX4	10/17/2003	Dalapon	ug/l	ND	1.5
EX4	3/27/2003	Dibromochloromethane	ug/l	ND	1
EX4	5/5/2003	Dibromochloromethane	ug/l	ND	1
EX4	7/17/2003	Dibromochloromethane	ug/l	ND	1
EX4	10/17/2003	Dibromochloromethane	ug/l	ND	1
EX4	3/27/2003	Dibromomethane	ug/l	ND	1
EX4	5/5/2003	Dibromomethane	ug/l	ND	1
EX4	7/17/2003	Dibromomethane	ug/l	ND	1
EX4	10/17/2003	Dibromomethane	ug/l	ND	1
EX4	3/27/2003	Dichlorodifluoromethane	ug/l	ND	2
EX4	5/5/2003	Dichlorodifluoromethane	ug/l	ND	2
EX4	7/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX4	10/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX4	3/27/2003	Dieldrin	ug/l	ND	0.1
EX4	5/5/2003	Dieldrin	ug/l	ND	0.1
EX4	7/17/2003	Dieldrin	ug/l	ND	0.1
EX4	10/17/2003	Dieldrin	ug/l	ND	0.1
EX4	3/27/2003	Diethyl phthalate	ug/l	ND	10
EX4	5/5/2003	Diethyl phthalate	ug/l	ND	10
EX4	7/17/2003	Diethyl phthalate	ug/l	ND	10
EX4	10/17/2003	Diethyl phthalate	ug/l	ND	10
EX4	3/27/2003	Dimethyl phthalate	ug/l	ND	10
EX4	5/5/2003	Dimethyl phthalate	ug/l	ND	10
EX4	7/17/2003	Dimethyl phthalate	ug/l	ND	10
EX4	10/17/2003	Dimethyl phthalate	ug/l	ND	10
EX4	3/27/2003	Di-n-butyl phthalate	ug/l	ND	10
EX4	5/5/2003	Di-n-butyl phthalate	ug/l	ND	10

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX4	7/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX4	10/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX4	3/27/2003	Dinoseb	ug/l	ND	0.2
EX4	5/5/2003	Dinoseb	ug/l	ND	0.2
EX4	7/17/2003	Dinoseb	ug/l	ND	0.2
EX4	10/17/2003	Dinoseb	ug/l	ND	0.2
EX4	3/27/2003	Endothal	ug/l	ND	40
EX4	5/5/2003	Endothal	ug/l	ND	40
EX4	7/17/2003	Endothal	ug/l	ND	40
EX4	10/17/2003	Endothal	ug/l	ND	40
EX4	3/27/2003	Endrin	ug/l	ND	0.1
EX4	5/5/2003	Endrin	ug/l	ND	0.1
EX4	7/17/2003	Endrin	ug/l	ND	0.1
EX4	10/17/2003	Endrin	ug/l	ND	0.1
EX4	3/27/2003	Ethylbenzene	ug/l	ND	1
EX4	5/5/2003	Ethylbenzene	ug/l	ND	1
EX4	7/17/2003	Ethylbenzene	ug/l	ND	1
EX4	10/17/2003	Ethylbenzene	ug/l	ND	1
EX4	3/27/2003	Ethylene dibromide	ug/l	ND	0.05
EX4	5/5/2003	Ethylene dibromide	ug/l	ND	0.05
EX4	7/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX4	10/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX4	3/27/2003	Fluoride, Total	mg/l	0.48	0.25
EX4	5/5/2003	Fluoride, Total	mg/l	0.52	0.25
EX4	7/17/2003	Fluoride, Total	mg/l	0.46	0.25
EX4	10/17/2003	Fluoride, Total	mg/l	0.545	0.25
EX4	3/27/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX4	5/5/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX4	7/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX4	10/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX4	3/27/2003	Heptachlor	ug/l	ND	0.05
EX4	5/5/2003	Heptachlor	ug/l	ND	0.05
EX4	7/17/2003	Heptachlor	ug/l	ND	0.05
EX4	10/17/2003	Heptachlor	ug/l	ND	0.05
EX4	3/27/2003	Heptachlor epoxide	ug/l	ND	0.05
EX4	5/5/2003	Heptachlor epoxide	ug/l	ND	0.05
EX4	7/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX4	10/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX4	3/27/2003	Hexachlorobutadiene	ug/l	ND	10
EX4	5/5/2003	Hexachlorobutadiene	ug/l	ND	10
EX4	7/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX4	10/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX4	3/27/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX4	5/5/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX4	7/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX4	10/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX4	3/27/2003	Iodomethane	ug/l	ND	1
EX4	5/5/2003	Iodomethane	ug/l	ND	1
EX4	7/17/2003	Iodomethane	ug/l	ND	1
EX4	10/17/2003	Iodomethane	ug/l	ND	1
EX4	3/27/2003	Iron, Dissolved	ug/l	5700	10
EX4	5/5/2003	Iron, Dissolved	ug/l	5700	10
EX4	7/17/2003	Iron, Dissolved	ug/l	6900	10
EX4	10/17/2003	Iron, Dissolved	ug/l	6900	10
EX4	3/27/2003	Iron, Total	ug/l	150000	10
EX4	5/5/2003	Iron, Total	ug/l	16000	10
EX4	7/17/2003	Iron, Total	ug/l	18000	10
EX4	10/17/2003	Iron, Total	ug/l	31000	10
EX4	3/27/2003	Isophorone	ug/l	ND	10

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX4	5/5/2003	Isophorone	ug/l	ND	10
EX4	7/17/2003	Isophorone	ug/l	ND	10
EX4	10/17/2003	Isophorone	ug/l	ND	10
EX4	3/27/2003	Isopropylbenzene	ug/l	ND	1
EX4	5/5/2003	Isopropylbenzene	ug/l	ND	1
EX4	7/17/2003	Isopropylbenzene	ug/l	ND	1
EX4	10/17/2003	Isopropylbenzene	ug/l	ND	1
EX4	3/27/2003	Lead, Total	ug/l	87	5
EX4	5/5/2003	Lead, Total	ug/l	5.3	1
EX4	7/17/2003	Lead, Total	ug/l	8.1	1
EX4	10/17/2003	Lead, Total	ug/l	16	1
EX4	3/27/2003	Lead, Dissolved	ug/l	ND	1
EX4	5/5/2003	Lead, Dissolved	ug/l	ND	1
EX4	7/17/2003	Lead, Dissolved	ug/l	ND	1
EX4	10/17/2003	Lead, Dissolved	ug/l	ND	1
EX4	3/27/2003	Magnesium, Total	mg/l	220	0.5
EX4	5/5/2003	Magnesium, Total	mg/l	54	0.1
EX4	7/17/2003	Magnesium, Total	mg/l	58	0.1
EX4	10/17/2003	Magnesium, Total	mg/l	94	0.1
EX4	3/27/2003	Manganese, Dissolved	ug/l	47	1
EX4	5/5/2003	Manganese, Dissolved	ug/l	43	1
EX4	7/17/2003	Manganese, Dissolved	ug/l	40	1
EX4	10/17/2003	Manganese, Dissolved	ug/l	41	1
EX4	3/27/2003	Manganese, Total	ug/l	3100	5
EX4	5/5/2003	Manganese, Total	ug/l	190	1
EX4	7/17/2003	Manganese, Total	ug/l	240	1
EX4	10/17/2003	Manganese, Total	ug/l	670	1
EX4	3/27/2003	Mercury, Dissolved	ug/l	ND	0.2
EX4	5/5/2003	Mercury, Dissolved	ug/l	ND	0.2
EX4	7/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX4	10/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX4	3/27/2003	Mercury, Total	ug/l	ND	0.2
EX4	5/5/2003	Mercury, Total	ug/l	ND	0.2
EX4	7/17/2003	Mercury, Total	ug/l	ND	0.2
EX4	10/17/2003	Mercury, Total	ug/l	ND	0.2
EX4	3/27/2003	Methoxychlor	ug/l	ND	0.2
EX4	5/5/2003	Methoxychlor	ug/l	ND	0.5
EX4	7/17/2003	Methoxychlor	ug/l	ND	0.5
EX4	10/17/2003	Methoxychlor	ug/l	ND	0.5
EX4	3/27/2003	Methylene Chloride	ug/l	ND	0.5
EX4	5/5/2003	Methylene Chloride	ug/l	ND	5
EX4	7/17/2003	Methylene Chloride	ug/l	ND	5
EX4	10/17/2003	Methylene Chloride	ug/l	ND	5
EX4	3/27/2003	Naphthalene	ug/l	ND	5
EX4	5/5/2003	Naphthalene	ug/l	ND	10
EX4	7/17/2003	Naphthalene	ug/l	ND	10
EX4	10/17/2003	Naphthalene	ug/l	ND	10
EX4	3/27/2003	n-Butylbenzene	ug/l	ND	10
EX4	5/5/2003	n-Butylbenzene	ug/l	ND	1
EX4	7/17/2003	n-Butylbenzene	ug/l	ND	1
EX4	10/17/2003	n-Butylbenzene	ug/l	ND	1
EX4	3/27/2003	Nickel, Total	ug/l	ND	1
EX4	5/5/2003	Nickel, Total	ug/l	230	25
EX4	7/17/2003	Nickel, Total	ug/l	24	5
EX4	10/17/2003	Nickel, Total	ug/l	17	5
EX4	3/27/2003	Nitrate/Nitrite as N Dissolved	ug/l	45	5
EX4	5/5/2003	Nitrate/Nitrite as N Dissolved	mg/l	0.029	0.02
EX4	7/17/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX4	10/17/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
			mg/l	ND	0.02

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX4	3/27/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX4	5/5/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX4	7/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX4	10/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX4	3/27/2003	n-Propylbenzene	ug/l	ND	1
EX4	5/5/2003	n-Propylbenzene	ug/l	ND	1
EX4	7/17/2003	n-Propylbenzene	ug/l	ND	1
EX4	10/17/2003	n-Propylbenzene	ug/l	ND	1
EX4	3/27/2003	Oil and Grease, Total	mg/l	25	5
EX4	5/5/2003	Oil and Grease, Total	mg/l	ND	5
EX4	7/17/2003	Oil and Grease, Total	mg/l	ND	5
EX4	10/17/2003	Oil and Grease, Total	mg/l	ND	5
EX4	3/27/2003	o-Xylene	ug/l	ND	1
EX4	5/5/2003	o-Xylene	ug/l	ND	1
EX4	7/17/2003	o-Xylene	ug/l	ND	1
EX4	10/17/2003	o-Xylene	ug/l	ND	1
EX4	3/27/2003	Parathion	ug/l	ND	0.2
EX4	5/5/2003	Parathion	ug/l	ND	0.2
EX4	7/17/2003	Parathion	ug/l	ND	0.2
EX4	10/17/2003	Parathion	ug/l	ND	0.2
EX4	3/27/2003	Pentachlorophenol	ug/l	ND	0.05
EX4	5/5/2003	Pentachlorophenol	ug/l	ND	0.05
EX4	7/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX4	10/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX4	10/17/2003	pH, Field Aqueous	s.u.	6.45	
EX4	3/27/2003	pH, Field Aqueous	s.u.	7.04	
EX4	5/ 5/2003	pH, Field Aqueous	s.u.	6.7	
EX4	7/17/2003	pH, Field Aqueous	s.u.	6.92	
EX4	3/27/2003	Phenols, Total	mg/l	ND	0.005
EX4	5/5/2003	Phenols, Total	mg/l	ND	0.005
EX4	7/17/2003	Phenols, Total	mg/l	ND	0.005
EX4	10/17/2003	Phenols, Total	mg/l	ND	0.005
EX4	3/27/2003	Picloram	ug/l	ND	0.2
EX4	5/5/2003	Picloram	ug/l	ND	0.2
EX4	7/17/2003	Picloram	ug/l	ND	0.2
EX4	10/17/2003	Picloram	ug/l	ND	0.2
EX4	3/27/2003	p-Isopropyltoluene	ug/l	ND	1
EX4	5/5/2003	p-Isopropyltoluene	ug/l	ND	1
EX4	7/17/2003	p-Isopropyltoluene	ug/l	ND	1
EX4	10/17/2003	p-Isopropyltoluene	ug/l	ND	1
EX4	3/27/2003	Potassium, Total	mg/l	32	0.5
EX4	5/5/2003	Potassium, Total	mg/l	9.5	0.1
EX4	7/17/2003	Potassium, Total	mg/l	8.2	0.1
EX4	10/17/2003	Potassium, Total	mg/l	12	0.1
EX4	3/27/2003	p-Xylene	ug/l	ND	1
EX4	5/5/2003	p-Xylene	ug/l	ND	1
EX4	7/17/2003	p-Xylene	ug/l	ND	1
EX4	10/17/2003	p-Xylene	ug/l	ND	1
EX4	3/27/2003	sec-Butylbenzene	ug/l	ND	1
EX4	5/5/2003	sec-Butylbenzene	ug/l	ND	1
EX4	7/17/2003	sec-Butylbenzene	ug/l	ND	1
EX4	10/17/2003	sec-Butylbenzene	ug/l	ND	1
EX4	3/27/2003	Selenium, Total	ug/l	2.2	1
EX4	5/5/2003	Selenium, Total	ug/l	ND	1
EX4	7/17/2003	Selenium, Total	ug/l	ND	1
EX4	10/17/2003	Selenium, Total	ug/l	2.4	1
EX4	3/27/2003	Silver, Total	ug/l	ND	5
EX4	5/5/2003	Silver, Total	ug/l	ND	5
EX4	7/17/2003	Silver, Total	ug/l	ND	5

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX4	10/17/2003	Silver, Total	ug/l	ND	5
EX4	3/27/2003	Silvex	ug/l	ND	0.05
EX4	5/5/2003	Silvex	ug/l	ND	0.05
EX4	7/17/2003	Silvex	ug/l	ND	0.05
EX4	10/17/2003	Silvex	ug/l	ND	0.05
EX4	3/27/2003	Simazine	ug/l	ND	0.2
EX4	5/5/2003	Simazine	ug/l	ND	0.2
EX4	7/17/2003	Simazine	ug/l	ND	0.2
EX4	10/17/2003	Simazine	ug/l	ND	0.2
EX4	3/27/2003	Sodium, Total	mg/l	34	0.5
EX4	5/5/2003	Sodium, Total	mg/l	33	0.1
EX4	7/17/2003	Sodium, Total	mg/l	32	0.1
EX4	10/17/2003	Sodium, Total	mg/l	35	0.1
EX4	10/17/2003	Specific Conductance, Field	umhos/cm	670	
EX4	3/27/2003	Specific Conductance, Field	umhos/cm	860	
EX4	5/ 5/2003	Specific Conductance, Field	umhos/cm	680	
EX4	7/17/2003	Specific Conductance, Field	umhos/cm	750	
EX4	3/27/2003	Styrene	ug/l	ND	1
EX4	5/5/2003	Styrene	ug/l	ND	1
EX4	7/17/2003	Styrene	ug/l	ND	1
EX4	10/17/2003	Styrene	ug/l	ND	1
EX4	3/27/2003	Sulfate, Dissolved	mg/l	1.3	1
EX4	5/5/2003	Sulfate, Dissolved	mg/l	ND	1
EX4	7/17/2003	Sulfate, Dissolved	mg/l	ND	1
EX4	10/17/2003	Sulfate, Dissolved	mg/l	1.5	1
EX4	3/27/2003	Sulfate, Total	mg/l	2	1
EX4	5/5/2003	Sulfate, Total	mg/l	1.4	1
EX4	7/17/2003	Sulfate, Total	mg/l	ND	1
EX4	10/17/2003	Sulfate, Total	mg/l	1.7	1
EX4	3/27/2003	tert-Butylbenzene	ug/l	ND	1
EX4	5/5/2003	tert-Butylbenzene	ug/l	ND	1
EX4	7/17/2003	tert-Butylbenzene	ug/l	ND	1
EX4	10/17/2003	tert-Butylbenzene	ug/l	ND	1
EX4	3/27/2003	Tetrachloroethene	ug/l	ND	1
EX4	5/5/2003	Tetrachloroethene	ug/l	ND	1
EX4	7/17/2003	Tetrachloroethene	ug/l	ND	1
EX4	10/17/2003	Tetrachloroethene	ug/l	ND	1
EX4	3/27/2003	Tetrahydrofuran	ug/l	ND	20
EX4	5/5/2003	Tetrahydrofuran	ug/l	ND	20
EX4	7/17/2003	Tetrahydrofuran	ug/l	ND	20
EX4	10/17/2003	Tetrahydrofuran	ug/l	ND	20
EX4	3/27/2003	Thallium, Total	ug/l	1.3	1
EX4	5/5/2003	Thallium, Total	ug/l	ND	1
EX4	7/17/2003	Thallium, Total	ug/l	ND	1
EX4	10/17/2003	Thallium, Total	ug/l	ND	1
EX4	3/27/2003	Total Organic Carbon (TOC)	mg/l	13	0.5
EX4	5/5/2003	Total Organic Carbon (TOC)	mg/l	11	0.5
EX4	7/17/2003	Total Organic Carbon (TOC)	mg/l	9.8	0.5
EX4	10/17/2003	Total Organic Carbon (TOC)	mg/l	9.9	0.5
EX4	3/27/2003	Toluene	ug/l	ND	1
EX4	5/5/2003	Toluene	ug/l	ND	1
EX4	7/17/2003	Toluene	ug/l	ND	1
EX4	10/17/2003	Toluene	ug/l	ND	1
EX4	3/27/2003	Total Dissolved Solids	mg/l	500	17
EX4	5/5/2003	Total Dissolved Solids	mg/l	560	17
EX4	7/17/2003	Total Dissolved Solids	mg/l	590	17
EX4	10/17/2003	Total Dissolved Solids	mg/l	540	17
EX4	3/27/2003	Toxaphene	ug/l	ND	1.5
EX4	5/5/2003	Toxaphene	ug/l	ND	1.5

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX4	7/17/2003	Toxaphene	ug/l	ND	1.5
EX4	10/17/2003	Toxaphene	ug/l	ND	1.5
EX4	3/27/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX4	5/5/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX4	7/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX4	10/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX4	3/27/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX4	5/5/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX4	7/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX4	10/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX4	3/27/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX4	5/5/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX4	7/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX4	10/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX4	3/27/2003	Trichloroethene	ug/l	ND	1
EX4	5/5/2003	Trichloroethene	ug/l	ND	1
EX4	7/17/2003	Trichloroethene	ug/l	ND	1
EX4	10/17/2003	Trichloroethene	ug/l	ND	1
EX4	3/27/2003	Trichlorofluoromethane	ug/l	ND	1
EX4	5/5/2003	Trichlorofluoromethane	ug/l	ND	1
EX4	7/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX4	10/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX4	3/27/2003	Vanadium, Total	ug/l	150	25
EX4	5/5/2003	Vanadium, Total	ug/l	16	5
EX4	7/17/2003	Vanadium, Total	ug/l	16	5
EX4	10/17/2003	Vanadium, Total	ug/l	31	5
EX4	3/27/2003	Vinyl Acetate	ug/l	ND	5
EX4	5/5/2003	Vinyl Acetate	ug/l	ND	5
EX4	7/17/2003	Vinyl Acetate	ug/l	ND	5
EX4	10/17/2003	Vinyl Acetate	ug/l	ND	5
EX4	3/27/2003	Vinyl Chloride	ug/l	ND	2
EX4	5/5/2003	Vinyl Chloride	ug/l	ND	2
EX4	7/17/2003	Vinyl Chloride	ug/l	ND	2
EX4	10/17/2003	Vinyl Chloride	ug/l	ND	2
EX4	3/27/2003	Xylenes, Total	ug/l	ND	3
EX4	5/5/2003	Xylenes, Total	ug/l	ND	3
EX4	7/17/2003	Xylenes, Total	ug/l	ND	3
EX4	10/17/2003	Xylenes, Total	ug/l	ND	3
EX4	3/27/2003	Zinc, Total	ug/l	310	6
EX4	5/5/2003	Zinc, Total	ug/l	26	6
EX4	7/17/2003	Zinc, Total	ug/l	39	6
EX4	10/17/2003	Zinc, Total	ug/l	64	6
EX4	3/27/2003	Zinc, Dissolved	ug/l	8.9	6
EX4	5/5/2003	Zinc, Dissolved	ug/l	ND	6
EX4	7/17/2003	Zinc, Dissolved	ug/l	ND	6
EX4	10/17/2003	Zinc, Dissolved	ug/l	6.9	6
EX15	3/27/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX15	5/5/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX15	7/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX15	10/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX15	3/27/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX15	5/5/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX15	7/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX15	10/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX15	3/27/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX15	5/5/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX15	7/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX15	10/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX15	3/27/2003	1,1,2-Trichloroethane	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX15	5/5/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX15	7/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX15	10/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX15	3/27/2003	1,1-Dichloroethane	ug/l	ND	1
EX15	5/5/2003	1,1-Dichloroethane	ug/l	ND	1
EX15	7/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX15	10/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX15	3/27/2003	1,1-Dichloroethene	ug/l	ND	1
EX15	5/5/2003	1,1-Dichloroethene	ug/l	ND	1
EX15	7/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX15	10/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX15	3/27/2003	1,1-Dichloropropene	ug/l	ND	1
EX15	5/5/2003	1,1-Dichloropropene	ug/l	ND	1
EX15	7/17/2003	1,1-Dichloropropene	ug/l	ND	1
EX15	10/17/2003	1,1-Dichloropropene	ug/l	ND	1
EX15	3/27/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX15	5/5/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX15	7/17/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX15	10/17/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX15	3/27/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX15	5/5/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX15	7/17/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX15	10/17/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX15	3/27/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX15	5/5/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX15	7/17/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX15	10/17/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX15	3/27/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX15	5/5/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX15	7/17/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX15	10/17/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX15	3/27/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX15	5/5/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX15	7/17/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX15	10/17/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX15	3/27/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX15	5/5/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX15	7/17/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX15	10/17/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX15	3/27/2003	1,2-Dichloroethane	ug/l	ND	1
EX15	5/5/2003	1,2-Dichloroethane	ug/l	ND	1
EX15	7/17/2003	1,2-Dichloroethane	ug/l	ND	1
EX15	10/17/2003	1,2-Dichloroethane	ug/l	ND	1
EX15	3/27/2003	1,2-Dichloropropane	ug/l	ND	1
EX15	5/5/2003	1,2-Dichloropropane	ug/l	ND	1
EX15	7/17/2003	1,2-Dichloropropane	ug/l	ND	1
EX15	10/17/2003	1,2-Dichloropropane	ug/l	ND	1
EX15	3/27/2003	1,3 Dichloropropane	ug/l	ND	1
EX15	5/5/2003	1,3 Dichloropropane	ug/l	ND	1
EX15	7/17/2003	1,3 Dichloropropane	ug/l	ND	1
EX15	10/17/2003	1,3 Dichloropropane	ug/l	ND	1
EX15	3/27/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX15	5/5/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX15	7/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX15	10/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX15	3/27/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX15	5/5/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX15	7/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX15	10/17/2003	1,3-Dichlorobenzene	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX15	3/27/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX15	5/5/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX15	7/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX15	10/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX15	3/27/2003	2,2-Dichloropropane	ug/l	ND	1
EX15	5/5/2003	2,2-Dichloropropane	ug/l	ND	1
EX15	7/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX15	10/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX15	3/27/2003	2,4-D	ug/l	ND	0.1
EX15	5/5/2003	2,4-D	ug/l	ND	0.1
EX15	7/17/2003	2,4-D	ug/l	ND	0.1
EX15	10/17/2003	2,4-D	ug/l	ND	0.1
EX15	3/27/2003	2-Butanone (MEK)	ug/l	ND	5
EX15	5/5/2003	2-Butanone (MEK)	ug/l	ND	5
EX15	7/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX15	10/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX15	3/27/2003	2-Chlorotoluene	ug/l	ND	1
EX15	5/5/2003	2-Chlorotoluene	ug/l	ND	1
EX15	7/17/2003	2-Chlorotoluene	ug/l	ND	1
EX15	10/17/2003	2-Chlorotoluene	ug/l	ND	1
EX15	3/27/2003	2-Hexanone (MBK)	ug/l	ND	5
EX15	5/5/2003	2-Hexanone (MBK)	ug/l	ND	5
EX15	7/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX15	10/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX15	3/27/2003	4,4'-DDT	ug/l	ND	0.1
EX15	5/5/2003	4,4'-DDT	ug/l	ND	0.1
EX15	7/17/2003	4,4'-DDT	ug/l	ND	0.1
EX15	10/17/2003	4,4'-DDT	ug/l	ND	0.1
EX15	3/27/2003	4-Chlorotoluene	ug/l	ND	1
EX15	5/5/2003	4-Chlorotoluene	ug/l	ND	1
EX15	7/17/2003	4-Chlorotoluene	ug/l	ND	1
EX15	10/17/2003	4-Chlorotoluene	ug/l	ND	1
EX15	3/27/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX15	5/5/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX15	7/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX15	10/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX15	3/27/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX15	5/5/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX15	7/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX15	10/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX15	3/27/2003	Acetone	ug/l	ND	10
EX15	5/5/2003	Acetone	ug/l	ND	10
EX15	7/17/2003	Acetone	ug/l	ND	10
EX15	10/17/2003	Acetone	ug/l	ND	10
EX15	3/27/2003	Acrolein	ug/l	ND	50
EX15	5/5/2003	Acrolein	ug/l	ND	50
EX15	7/17/2003	Acrolein	ug/l	ND	50
EX15	10/17/2003	Acrolein	ug/l	ND	50
EX15	3/27/2003	Acrylonitrile	ug/l	ND	50
EX15	5/5/2003	Acrylonitrile	ug/l	ND	50
EX15	7/17/2003	Acrylonitrile	ug/l	ND	50
EX15	10/17/2003	Acrylonitrile	ug/l	ND	50
EX15	3/27/2003	Alachlor	ug/l	ND	0.4
EX15	5/5/2003	Alachlor	ug/l	ND	0.4
EX15	7/17/2003	Alachlor	ug/l	ND	0.4
EX15	10/17/2003	Alachlor	ug/l	ND	0.4
EX15	3/27/2003	Aldicarb	ug/l	ND	0.4
EX15	5/5/2003	Aldicarb	ug/l	ND	0.4
EX15	7/17/2003	Aldicarb	ug/l	ND	0.4

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX15	10/17/2003	Aldicarb	ug/l	ND	0.4
EX15	3/27/2003	Aldrin	ug/l	ND	0.05
EX15	5/5/2003	Aldrin	ug/l	ND	0.05
EX15	7/17/2003	Aldrin	ug/l	ND	0.05
EX15	10/17/2003	Aldrin	ug/l	ND	0.05
EX15	3/27/2003	Aluminum, Total	ug/l	27000	20
EX15	5/5/2003	Aluminum, Total	ug/l	29000	10
EX15	7/17/2003	Aluminum, Total	ug/l	1900	10
EX15	10/17/2003	Aluminum, Total	ug/l	18000	10
EX15	3/27/2003	Ammonia, Dissolved	mg/l	12	0.5
EX15	5/5/2003	Ammonia, Dissolved	mg/l	14	0.05
EX15	7/17/2003	Ammonia, Dissolved	mg/l	13	0.05
EX15	10/17/2003	Ammonia, Dissolved	mg/l	10	0.05
EX15	3/27/2003	Ammonia, Total	mg/l	15	0.5
EX15	5/5/2003	Ammonia, Total	mg/l	14	0.05
EX15	7/17/2003	Ammonia, Total	mg/l	14	0.05
EX15	10/17/2003	Ammonia, Total	mg/l	9.9	0.05
EX15	3/27/2003	Antimony, Total	ug/l	ND	3
EX15	5/5/2003	Antimony, Total	ug/l	ND	3
EX15	7/17/2003	Antimony, Total	ug/l	ND	3
EX15	10/17/2003	Antimony, Total	ug/l	ND	3
EX15	3/27/2003	Aroclor 1016	ug/l	ND	0.5
EX15	5/5/2003	Aroclor 1016	ug/l	ND	0.5
EX15	7/17/2003	Aroclor 1016	ug/l	ND	0.5
EX15	10/17/2003	Aroclor 1016	ug/l	ND	0.5
EX15	3/27/2003	Aroclor 1221	ug/l	ND	0.5
EX15	5/5/2003	Aroclor 1221	ug/l	ND	0.5
EX15	7/17/2003	Aroclor 1221	ug/l	ND	0.5
EX15	10/17/2003	Aroclor 1221	ug/l	ND	0.5
EX15	3/27/2003	Aroclor 1232	ug/l	ND	0.5
EX15	5/5/2003	Aroclor 1232	ug/l	ND	0.5
EX15	7/17/2003	Aroclor 1232	ug/l	ND	0.5
EX15	10/17/2003	Aroclor 1232	ug/l	ND	0.5
EX15	3/27/2003	Aroclor 1242	ug/l	ND	0.5
EX15	5/5/2003	Aroclor 1242	ug/l	ND	0.5
EX15	7/17/2003	Aroclor 1242	ug/l	ND	0.5
EX15	10/17/2003	Aroclor 1242	ug/l	ND	0.5
EX15	3/27/2003	Aroclor 1248	ug/l	ND	0.5
EX15	5/5/2003	Aroclor 1248	ug/l	ND	0.5
EX15	7/17/2003	Aroclor 1248	ug/l	ND	0.5
EX15	10/17/2003	Aroclor 1248	ug/l	ND	0.5
EX15	3/27/2003	Aroclor 1254	ug/l	ND	0.5
EX15	5/5/2003	Aroclor 1254	ug/l	ND	0.5
EX15	7/17/2003	Aroclor 1254	ug/l	ND	0.5
EX15	10/17/2003	Aroclor 1254	ug/l	ND	0.5
EX15	3/27/2003	Aroclor 1260	ug/l	ND	0.5
EX15	5/5/2003	Aroclor 1260	ug/l	ND	0.5
EX15	7/17/2003	Aroclor 1260	ug/l	ND	0.5
EX15	10/17/2003	Aroclor 1260	ug/l	ND	0.5
EX15	3/27/2003	Arsenic, Total	ug/l	83	1
EX15	5/5/2003	Arsenic, Total	ug/l	93	1
EX15	7/17/2003	Arsenic, Total	ug/l	84	1
EX15	10/17/2003	Arsenic, Total	ug/l	96	1
EX15	3/27/2003	Arsenic, Dissolved	ug/l	50	1
EX15	5/5/2003	Arsenic, Dissolved	ug/l	70	1
EX15	7/17/2003	Arsenic, Dissolved	ug/l	80	1
EX15	10/17/2003	Arsenic, Dissolved	ug/l	84	1
EX15	3/27/2003	Atrazine	ug/l	ND	0.2
EX15	5/5/2003	Atrazine	ug/l	ND	0.2

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX15	7/17/2003	Atrazine	ug/l	ND	0.2
EX15	10/17/2003	Atrazine	ug/l	ND	0.2
EX15	3/27/2003	Barium, Total	ug/l	360	1
EX15	5/5/2003	Barium, Total	ug/l	420	1
EX15	7/17/2003	Barium, Total	ug/l	240	1
EX15	10/17/2003	Barium, Total	ug/l	290	1
EX15	3/27/2003	Benzene	ug/l	ND	1
EX15	5/5/2003	Benzene	ug/l	ND	1
EX15	7/17/2003	Benzene	ug/l	ND	1
EX15	10/17/2003	Benzene	ug/l	ND	1
EX15	3/27/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX15	5/5/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX15	7/17/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX15	10/17/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX15	3/27/2003	Beryllium, Total	ug/l	1.5	1
EX15	5/5/2003	Beryllium, Total	ug/l	2	1
EX15	7/17/2003	Beryllium, Total	ug/l	ND	1
EX15	10/17/2003	Beryllium, Total	ug/l	ND	1
EX15	3/27/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX15	5/5/2003	Bis(2-ethylhexyl)phthalate	ug/l	6.1	6
EX15	7/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	7.6	6
EX15	10/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX15	3/27/2003	Biological Oxygen Demand (BOD)	mg/l	8	3
EX15	5/5/2003	Biological Oxygen Demand (BOD)	mg/l	14	3
EX15	7/17/2003	Biological Oxygen Demand (BOD)	mg/l	27	3
EX15	10/17/2003	Biological Oxygen Demand (BOD)	mg/l	9	3
EX15	3/27/2003	Boron, Dissolved	ug/l	370	10
EX15	5/5/2003	Boron, Dissolved	ug/l	410	10
EX15	7/17/2003	Boron, Dissolved	ug/l	500	10
EX15	10/17/2003	Boron, Dissolved	ug/l	510	10
EX15	3/27/2003	Boron, Total	ug/l	440	10
EX15	5/5/2003	Boron, Total	ug/l	520	10
EX15	7/17/2003	Boron, Total	ug/l	420	10
EX15	10/17/2003	Boron, Total	ug/l	450	10
EX15	3/27/2003	Bromobenzene	ug/l	ND	1
EX15	5/5/2003	Bromobenzene	ug/l	ND	1
EX15	7/17/2003	Bromobenzene	ug/l	ND	1
EX15	10/17/2003	Bromobenzene	ug/l	ND	1
EX15	3/27/2003	Bromochloromethane	ug/l	ND	1
EX15	5/5/2003	Bromochloromethane	ug/l	ND	1
EX15	7/17/2003	Bromochloromethane	ug/l	ND	1
EX15	10/17/2003	Bromochloromethane	ug/l	ND	1
EX15	3/27/2003	Bromodichloromethane	ug/l	ND	1
EX15	5/5/2003	Bromodichloromethane	ug/l	ND	1
EX15	7/17/2003	Bromodichloromethane	ug/l	ND	1
EX15	10/17/2003	Bromodichloromethane	ug/l	ND	1
EX15	3/27/2003	Bromoform	ug/l	ND	1
EX15	5/5/2003	Bromoform	ug/l	ND	1
EX15	7/17/2003	Bromoform	ug/l	ND	1
EX15	10/17/2003	Bromoform	ug/l	ND	1
EX15	3/27/2003	Bromomethane	ug/l	ND	2
EX15	5/5/2003	Bromomethane	ug/l	ND	2
EX15	7/17/2003	Bromomethane	ug/l	ND	2
EX15	10/17/2003	Bromomethane	ug/l	ND	2
EX15	3/27/2003	Cadmium, Dissolved	ug/l	ND	1
EX15	5/5/2003	Cadmium, Dissolved	ug/l	ND	1
EX15	7/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX15	10/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX15	3/27/2003	Cadmium, Total	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX15	5/5/2003	Cadmium, Total	ug/l	ND	1
EX15	7/17/2003	Cadmium, Total	ug/l	ND	1
EX15	10/17/2003	Cadmium, Total	ug/l	ND	1
EX15	3/27/2003	Calcium, Total	mg/l	210	0.1
EX15	5/5/2003	Calcium, Total	mg/l	160	0.1
EX15	7/17/2003	Calcium, Total	mg/l	100	0.1
EX15	10/17/2003	Calcium, Total	mg/l	140	0.1
EX15	3/27/2003	Carbofuran	ug/l	ND	1.5
EX15	5/5/2003	Carbofuran	ug/l	ND	1.5
EX15	7/17/2003	Carbofuran	ug/l	ND	1.5
EX15	10/17/2003	Carbofuran	ug/l	ND	1.5
EX15	3/27/2003	Carbon Disulfide	ug/l	ND	1
EX15	5/5/2003	Carbon Disulfide	ug/l	ND	1
EX15	7/17/2003	Carbon Disulfide	ug/l	ND	1
EX15	10/17/2003	Carbon Disulfide	ug/l	ND	1
EX15	3/27/2003	Carbon Tetrachloride	ug/l	ND	1
EX15	5/5/2003	Carbon Tetrachloride	ug/l	ND	1
EX15	7/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX15	10/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX15	3/27/2003	Chlordane (Tech)	ug/l	ND	0.5
EX15	5/5/2003	Chlordane (Tech)	ug/l	ND	0.5
EX15	7/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX15	10/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX15	3/27/2003	Chloride, Dissolved	mg/l	5.8	2.5
EX15	5/5/2003	Chloride, Dissolved	mg/l	1.8	1
EX15	7/17/2003	Chloride, Dissolved	mg/l	1.3	1
EX15	10/17/2003	Chloride, Dissolved	mg/l	1.8	0.5
EX15	3/27/2003	Chloride, Total	mg/l	5.5	2.5
EX15	5/5/2003	Chloride, Total	mg/l	1.9	1
EX15	7/17/2003	Chloride, Total	mg/l	1.4	1
EX15	10/17/2003	Chloride, Total	mg/l	1.8	0.5
EX15	3/27/2003	Chlorobenzene	ug/l	ND	1
EX15	5/5/2003	Chlorobenzene	ug/l	ND	1
EX15	7/17/2003	Chlorobenzene	ug/l	ND	1
EX15	10/17/2003	Chlorobenzene	ug/l	ND	1
EX15	3/27/2003	Chloroethane	ug/l	ND	2
EX15	5/5/2003	Chloroethane	ug/l	ND	2
EX15	7/17/2003	Chloroethane	ug/l	ND	2
EX15	10/17/2003	Chloroethane	ug/l	ND	2
EX15	3/27/2003	Chloroform	ug/l	ND	1
EX15	5/5/2003	Chloroform	ug/l	ND	1
EX15	7/17/2003	Chloroform	ug/l	ND	1
EX15	10/17/2003	Chloroform	ug/l	ND	1
EX15	3/27/2003	Chloromethane	ug/l	ND	2
EX15	5/5/2003	Chloromethane	ug/l	ND	2
EX15	7/17/2003	Chloromethane	ug/l	ND	2
EX15	10/17/2003	Chloromethane	ug/l	ND	2
EX15	3/27/2003	Chromium, Total	ug/l	60	4
EX15	5/5/2003	Chromium, Total	ug/l	62	4
EX15	7/17/2003	Chromium, Total	ug/l	4.1	4
EX15	10/17/2003	Chromium, Total	ug/l	39	4
EX15	3/27/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX15	5/5/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX15	7/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX15	10/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX15	3/27/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX15	5/5/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX15	7/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX15	10/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX15	3/27/2003	Cobalt, Total	ug/l	14	2
EX15	5/5/2003	Cobalt, Total	ug/l	14	2
EX15	7/17/2003	Cobalt, Total	ug/l	ND	2
EX15	10/17/2003	Cobalt, Total	ug/l	10	2
EX15	3/27/2003	Chemical Oxygen Demand (COD)	mg/l	15	6
EX15	5/5/2003	Chemical Oxygen Demand (COD)	mg/l	15	6
EX15	7/17/2003	Chemical Oxygen Demand (COD)	mg/l	9	6
EX15	10/17/2003	Chemical Oxygen Demand (COD)	mg/l	18	6
EX15	3/27/2003	Copper, Total	ug/l	34	3
EX15	5/5/2003	Copper, Total	ug/l	35	3
EX15	7/17/2003	Copper, Total	ug/l	ND	3
EX15	10/17/2003	Copper, Total	ug/l	16	3
EX15	3/27/2003	Cyanide, Total	mg/l	ND	0.005
EX15	5/5/2003	Cyanide, Total	mg/l	ND	0.005
EX15	7/17/2003	Cyanide, Total	mg/l	ND	0.005
EX15	10/17/2003	Cyanide, Total	mg/l	ND	0.005
EX15	3/27/2003	Dalapon	ug/l	ND	1.5
EX15	5/5/2003	Dalapon	ug/l	ND	1.5
EX15	7/17/2003	Dalapon	ug/l	ND	1.5
EX15	10/17/2003	Dalapon	ug/l	ND	1.5
EX15	3/27/2003	Dibromochloromethane	ug/l	ND	1
EX15	5/5/2003	Dibromochloromethane	ug/l	ND	1
EX15	7/17/2003	Dibromochloromethane	ug/l	ND	1
EX15	10/17/2003	Dibromochloromethane	ug/l	ND	1
EX15	3/27/2003	Dibromomethane	ug/l	ND	1
EX15	5/5/2003	Dibromomethane	ug/l	ND	1
EX15	7/17/2003	Dibromomethane	ug/l	ND	1
EX15	10/17/2003	Dibromomethane	ug/l	ND	1
EX15	3/27/2003	Dichlorodifluoromethane	ug/l	ND	2
EX15	5/5/2003	Dichlorodifluoromethane	ug/l	ND	2
EX15	7/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX15	10/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX15	3/27/2003	Dieldrin	ug/l	ND	0.1
EX15	5/5/2003	Dieldrin	ug/l	ND	0.1
EX15	7/17/2003	Dieldrin	ug/l	ND	0.1
EX15	10/17/2003	Dieldrin	ug/l	ND	0.1
EX15	3/27/2003	Diethyl phthalate	ug/l	ND	10
EX15	5/5/2003	Diethyl phthalate	ug/l	ND	10
EX15	7/17/2003	Diethyl phthalate	ug/l	ND	10
EX15	10/17/2003	Diethyl phthalate	ug/l	ND	10
EX15	3/27/2003	Dimethyl phthalate	ug/l	ND	10
EX15	5/5/2003	Dimethyl phthalate	ug/l	ND	10
EX15	7/17/2003	Dimethyl phthalate	ug/l	ND	10
EX15	10/17/2003	Dimethyl phthalate	ug/l	ND	10
EX15	3/27/2003	Di-n-butyl phthalate	ug/l	ND	10
EX15	5/5/2003	Di-n-butyl phthalate	ug/l	ND	10
EX15	7/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX15	10/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX15	3/27/2003	Dinoseb	ug/l	ND	0.2
EX15	5/5/2003	Dinoseb	ug/l	ND	0.2
EX15	7/17/2003	Dinoseb	ug/l	ND	0.2
EX15	10/17/2003	Dinoseb	ug/l	ND	0.2
EX15	3/27/2003	Endothal	ug/l	ND	40
EX15	5/5/2003	Endothal	ug/l	ND	40
EX15	7/17/2003	Endothal	ug/l	ND	40
EX15	10/17/2003	Endothal	ug/l	ND	40
EX15	3/27/2003	Endrin	ug/l	ND	0.1
EX15	5/5/2003	Endrin	ug/l	ND	0.1
EX15	7/17/2003	Endrin	ug/l	ND	0.1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX15	10/17/2003	Endrin	ug/l	ND	0.1
EX15	3/27/2003	Ethylbenzene	ug/l	ND	1
EX15	5/5/2003	Ethylbenzene	ug/l	ND	1
EX15	7/17/2003	Ethylbenzene	ug/l	ND	1
EX15	10/17/2003	Ethylbenzene	ug/l	ND	1
EX15	3/27/2003	Ethylene dibromide	ug/l	ND	0.05
EX15	5/5/2003	Ethylene dibromide	ug/l	ND	0.05
EX15	7/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX15	10/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX15	3/27/2003	Fluoride, Total	mg/l	0.49	0.25
EX15	5/5/2003	Fluoride, Total	mg/l	0.49	0.25
EX15	7/17/2003	Fluoride, Total	mg/l	0.42	0.25
EX15	10/17/2003	Fluoride, Total	mg/l	0.505	0.25
EX15	3/27/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX15	5/5/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX15	7/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX15	10/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX15	3/27/2003	Heptachlor	ug/l	ND	0.05
EX15	5/5/2003	Heptachlor	ug/l	ND	0.05
EX15	7/17/2003	Heptachlor	ug/l	ND	0.05
EX15	10/17/2003	Heptachlor	ug/l	ND	0.05
EX15	3/27/2003	Heptachlor epoxide	ug/l	ND	0.05
EX15	5/5/2003	Heptachlor epoxide	ug/l	ND	0.05
EX15	7/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX15	10/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX15	3/27/2003	Hexachlorobutadiene	ug/l	ND	0.05
EX15	5/5/2003	Hexachlorobutadiene	ug/l	ND	10
EX15	7/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX15	10/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX15	3/27/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX15	5/5/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX15	7/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX15	10/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX15	3/27/2003	Iodomethane	ug/l	ND	10
EX15	5/5/2003	Iodomethane	ug/l	ND	1
EX15	7/17/2003	Iodomethane	ug/l	ND	1
EX15	10/17/2003	Iodomethane	ug/l	ND	1
EX15	3/27/2003	Iron, Dissolved	ug/l	ND	1
EX15	5/5/2003	Iron, Dissolved	ug/l	7200	10
EX15	7/17/2003	Iron, Dissolved	ug/l	7600	10
EX15	10/17/2003	Iron, Dissolved	ug/l	6900	10
EX15	3/27/2003	Iron, Total	ug/l	6900	10
EX15	5/5/2003	Iron, Total	ug/l	48000	10
EX15	7/17/2003	Iron, Total	ug/l	60000	10
EX15	10/17/2003	Iron, Total	ug/l	8100	10
EX15	3/27/2003	Isophorone	ug/l	24000	10
EX15	5/5/2003	Isophorone	ug/l	ND	10
EX15	7/17/2003	Isophorone	ug/l	ND	10
EX15	10/17/2003	Isophorone	ug/l	ND	10
EX15	3/27/2003	Isopropylbenzene	ug/l	ND	10
EX15	5/5/2003	Isopropylbenzene	ug/l	ND	1
EX15	7/17/2003	Isopropylbenzene	ug/l	ND	1
EX15	10/17/2003	Isopropylbenzene	ug/l	ND	1
EX15	3/27/2003	Lead, Total	ug/l	ND	1
EX15	5/5/2003	Lead, Total	ug/l	38	2
EX15	7/17/2003	Lead, Total	ug/l	36	1
EX15	10/17/2003	Lead, Total	ug/l	1.3	1
EX15	3/27/2003	Lead, Dissolved	ug/l	14	1
EX15	5/5/2003	Lead, Dissolved	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX15	7/17/2003	Lead, Dissolved	ug/l	ND	1
EX15	10/17/2003	Lead, Dissolved	ug/l	ND	1
EX15	3/27/2003	Magnesium, Total	mg/l	93	0.1
EX15	5/5/2003	Magnesium, Total	mg/l	87	0.1
EX15	7/17/2003	Magnesium, Total	mg/l	47	0.1
EX15	10/17/2003	Magnesium, Total	mg/l	66	0.1
EX15	3/27/2003	Manganese, Dissolved	ug/l	73	1
EX15	5/5/2003	Manganese, Dissolved	ug/l	82	1
EX15	7/17/2003	Manganese, Dissolved	ug/l	50	1
EX15	10/17/2003	Manganese, Dissolved	ug/l	50	1
EX15	3/27/2003	Manganese, Total	ug/l	1000	1
EX15	5/5/2003	Manganese, Total	ug/l	870	1
EX15	7/17/2003	Manganese, Total	ug/l	82	1
EX15	10/17/2003	Manganese, Total	ug/l	400	1
EX15	3/27/2003	Mercury, Dissolved	ug/l	ND	0.2
EX15	5/5/2003	Mercury, Dissolved	ug/l	ND	0.2
EX15	7/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX15	10/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX15	3/27/2003	Mercury, Total	ug/l	ND	0.2
EX15	5/5/2003	Mercury, Total	ug/l	ND	0.2
EX15	7/17/2003	Mercury, Total	ug/l	ND	0.2
EX15	10/17/2003	Mercury, Total	ug/l	ND	0.2
EX15	3/27/2003	Methoxychlor	ug/l	ND	0.5
EX15	5/5/2003	Methoxychlor	ug/l	ND	0.5
EX15	7/17/2003	Methoxychlor	ug/l	ND	0.5
EX15	10/17/2003	Methoxychlor	ug/l	ND	0.5
EX15	3/27/2003	Methylene Chloride	ug/l	ND	5
EX15	5/5/2003	Methylene Chloride	ug/l	ND	5
EX15	7/17/2003	Methylene Chloride	ug/l	ND	5
EX15	10/17/2003	Methylene Chloride	ug/l	ND	5
EX15	3/27/2003	Naphthalene	ug/l	ND	10
EX15	5/5/2003	Naphthalene	ug/l	ND	10
EX15	7/17/2003	Naphthalene	ug/l	ND	10
EX15	10/17/2003	Naphthalene	ug/l	ND	10
EX15	3/27/2003	n-Butylbenzene	ug/l	ND	1
EX15	5/5/2003	n-Butylbenzene	ug/l	ND	1
EX15	7/17/2003	n-Butylbenzene	ug/l	ND	1
EX15	10/17/2003	n-Butylbenzene	ug/l	ND	1
EX15	3/27/2003	Nickel, Total	ug/l	57	5
EX15	5/5/2003	Nickel, Total	ug/l	51	5
EX15	7/17/2003	Nickel, Total	ug/l	ND	5
EX15	10/17/2003	Nickel, Total	ug/l	31	5
EX15	3/27/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX15	5/5/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX15	7/17/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX15	10/17/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX15	3/27/2003	Nitrate/Nitrite as N, Total	mg/l	0.022	0.02
EX15	5/5/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX15	7/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX15	10/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX15	3/27/2003	n-Propylbenzene	ug/l	ND	1
EX15	5/5/2003	n-Propylbenzene	ug/l	ND	1
EX15	7/17/2003	n-Propylbenzene	ug/l	ND	1
EX15	10/17/2003	n-Propylbenzene	ug/l	ND	1
EX15	3/27/2003	Oil and Grease, Total	mg/l	7.6	5
EX15	5/5/2003	Oil and Grease, Total	mg/l	ND	5
EX15	7/17/2003	Oil and Grease, Total	mg/l	ND	5
EX15	10/17/2003	Oil and Grease, Total	mg/l	ND	5
EX15	3/27/2003	o-Xylene	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX15	5/5/2003	o-Xylene	ug/l	ND	1
EX15	7/17/2003	o-Xylene	ug/l	ND	1
EX15	10/17/2003	o-Xylene	ug/l	ND	1
EX15	3/27/2003	Parathion	ug/l	ND	0.2
EX15	5/5/2003	Parathion	ug/l	ND	0.2
EX15	7/17/2003	Parathion	ug/l	ND	0.2
EX15	10/17/2003	Parathion	ug/l	ND	0.2
EX15	3/27/2003	Pentachlorophenol	ug/l	ND	0.05
EX15	5/5/2003	Pentachlorophenol	ug/l	ND	0.05
EX15	7/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX15	10/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX15	10/17/2003	pH, Field Aqueous	s.u.	7.23	
EX15	3/27/2003	pH, Field Aqueous	s.u.	7.07	
EX15	5/ 5/2003	pH, Field Aqueous	s.u.	6.72	
EX15	7/17/2003	pH, Field Aqueous	s.u.	6.38	
EX15	3/27/2003	Phenols, Total	mg/l	ND	0.005
EX15	5/5/2003	Phenols, Total	mg/l	ND	0.005
EX15	7/17/2003	Phenols, Total	mg/l	ND	0.005
EX15	10/17/2003	Phenols, Total	mg/l	ND	0.005
EX15	3/27/2003	Picloram	ug/l	ND	0.2
EX15	5/5/2003	Picloram	ug/l	ND	0.2
EX15	7/17/2003	Picloram	ug/l	ND	0.2
EX15	10/17/2003	Picloram	ug/l	ND	0.2
EX15	3/27/2003	p-Isopropyltoluene	ug/l	ND	1
EX15	5/5/2003	p-Isopropyltoluene	ug/l	ND	1
EX15	7/17/2003	p-Isopropyltoluene	ug/l	ND	1
EX15	10/17/2003	p-Isopropyltoluene	ug/l	ND	1
EX15	3/27/2003	Potassium, Total	mg/l	14	0.1
EX15	5/5/2003	Potassium, Total	mg/l	18	0.1
EX15	7/17/2003	Potassium, Total	mg/l	4.1	0.1
EX15	10/17/2003	Potassium, Total	mg/l	10	0.1
EX15	3/27/2003	p-Xylene	ug/l	ND	1
EX15	5/5/2003	p-Xylene	ug/l	ND	1
EX15	7/17/2003	p-Xylene	ug/l	ND	1
EX15	10/17/2003	p-Xylene	ug/l	ND	1
EX15	3/27/2003	sec-Butylbenzene	ug/l	ND	1
EX15	5/5/2003	sec-Butylbenzene	ug/l	ND	1
EX15	7/17/2003	sec-Butylbenzene	ug/l	ND	1
EX15	10/17/2003	sec-Butylbenzene	ug/l	ND	1
EX15	3/27/2003	Selenium, Total	ug/l	ND	1
EX15	5/5/2003	Selenium, Total	ug/l	ND	1
EX15	7/17/2003	Selenium, Total	ug/l	ND	1
EX15	10/17/2003	Selenium, Total	ug/l	1.1	1
EX15	3/27/2003	Silver, Total	ug/l	ND	5
EX15	5/5/2003	Silver, Total	ug/l	ND	5
EX15	7/17/2003	Silver, Total	ug/l	ND	5
EX15	10/17/2003	Silver, Total	ug/l	ND	5
EX15	3/27/2003	Silvex	ug/l	ND	0.05
EX15	5/5/2003	Silvex	ug/l	ND	0.05
EX15	7/17/2003	Silvex	ug/l	ND	0.05
EX15	10/17/2003	Silvex	ug/l	ND	0.05
EX15	3/27/2003	Simazine	ug/l	ND	0.2
EX15	5/5/2003	Simazine	ug/l	ND	0.2
EX15	7/17/2003	Simazine	ug/l	ND	0.2
EX15	10/17/2003	Simazine	ug/l	ND	0.2
EX15	3/27/2003	Sodium, Total	mg/l	26	0.1
EX15	5/5/2003	Sodium, Total	mg/l	25	0.1
EX15	7/17/2003	Sodium, Total	mg/l	31	0.1
EX15	10/17/2003	Sodium, Total	mg/l	34	0.1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX15	10/17/2003	Specific Conductance, Field	umhos/cm	740	
EX15	3/27/2003	Specific Conductance, Field	umhos/cm	760	
EX15	5/ 5/2003	Specific Conductance, Field	umhos/cm	640	
EX15	7/17/2003	Specific Conductance, Field		890	
EX15	3/27/2003	Styrene	ug/l	ND	1
EX15	5/5/2003	Styrene	ug/l	ND	1
EX15	7/17/2003	Styrene	ug/l	ND	1
EX15	10/17/2003	Styrene	ug/l	ND	1
EX15	3/27/2003	Sulfate, Dissolved	mg/l	ND	1
EX15	5/5/2003	Sulfate, Dissolved	mg/l	ND	1
EX15	7/17/2003	Sulfate, Dissolved	mg/l	ND	1
EX15	10/17/2003	Sulfate, Dissolved	mg/l	ND	1
EX15	3/27/2003	Sulfate, Total	mg/l	1	1
EX15	5/5/2003	Sulfate, Total	mg/l	ND	1
EX15	7/17/2003	Sulfate, Total	mg/l	ND	1
EX15	10/17/2003	Sulfate, Total	mg/l	ND	1
EX15	3/27/2003	tert-Butylbenzene	ug/l	ND	1
EX15	5/5/2003	tert-Butylbenzene	ug/l	ND	1
EX15	7/17/2003	tert-Butylbenzene	ug/l	ND	1
EX15	10/17/2003	tert-Butylbenzene	ug/l	ND	1
EX15	3/27/2003	Tetrachloroethene	ug/l	ND	1
EX15	5/5/2003	Tetrachloroethene	ug/l	ND	1
EX15	7/17/2003	Tetrachloroethene	ug/l	ND	1
EX15	10/17/2003	Tetrachloroethene	ug/l	ND	1
EX15	3/27/2003	Tetrahydrofuran	ug/l	ND	20
EX15	5/5/2003	Tetrahydrofuran	ug/l	ND	20
EX15	7/17/2003	Tetrahydrofuran	ug/l	ND	20
EX15	10/17/2003	Tetrahydrofuran	ug/l	ND	20
EX15	3/27/2003	Thallium, Total	ug/l	ND	1
EX15	5/5/2003	Thallium, Total	ug/l	ND	1
EX15	7/17/2003	Thallium, Total	ug/l	ND	1
EX15	10/17/2003	Thallium, Total	ug/l	ND	1
EX15	3/27/2003	Total Organic Carbon (TOC)	mg/l	12	0.5
EX15	5/5/2003	Total Organic Carbon (TOC)	mg/l	11	0.5
EX15	7/17/2003	Total Organic Carbon (TOC)	mg/l	11	0.5
EX15	10/17/2003	Total Organic Carbon (TOC)	mg/l	9.5	0.5
EX15	3/27/2003	Toluene	ug/l	ND	1
EX15	5/5/2003	Toluene	ug/l	ND	1
EX15	7/17/2003	Toluene	ug/l	ND	1
EX15	10/17/2003	Toluene	ug/l	ND	1
EX15	3/27/2003	Total Dissolved Solids	mg/l	490	17
EX15	5/5/2003	Total Dissolved Solids	mg/l	530	17
EX15	7/17/2003	Total Dissolved Solids	mg/l	530	17
EX15	10/17/2003	Total Dissolved Solids	mg/l	500	17
EX15	3/27/2003	Toxaphene	ug/l	ND	1.5
EX15	5/5/2003	Toxaphene	ug/l	ND	1.5
EX15	7/17/2003	Toxaphene	ug/l	ND	1.5
EX15	10/17/2003	Toxaphene	ug/l	ND	1.5
EX15	3/27/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX15	5/5/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX15	7/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX15	10/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX15	3/27/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX15	5/5/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX15	7/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX15	10/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX15	3/27/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX15	5/5/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX15	7/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX15	10/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX15	3/27/2003	Trichloroethene	ug/l	ND	1
EX15	5/5/2003	Trichloroethene	ug/l	ND	1
EX15	7/17/2003	Trichloroethene	ug/l	ND	1
EX15	10/17/2003	Trichloroethene	ug/l	ND	1
EX15	3/27/2003	Trichlorofluoromethane	ug/l	ND	1
EX15	5/5/2003	Trichlorofluoromethane	ug/l	ND	1
EX15	7/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX15	10/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX15	3/27/2003	Vanadium, Total	ug/l	60	5
EX15	5/5/2003	Vanadium, Total	ug/l	73	5
EX15	7/17/2003	Vanadium, Total	ug/l	ND	5
EX15	10/17/2003	Vanadium, Total	ug/l	29	5
EX15	3/27/2003	Vinyl Acetate	ug/l	ND	5
EX15	5/5/2003	Vinyl Acetate	ug/l	ND	5
EX15	7/17/2003	Vinyl Acetate	ug/l	ND	5
EX15	10/17/2003	Vinyl Acetate	ug/l	ND	5
EX15	3/27/2003	Vinyl Chloride	ug/l	ND	2
EX15	5/5/2003	Vinyl Chloride	ug/l	ND	2
EX15	7/17/2003	Vinyl Chloride	ug/l	ND	2
EX15	10/17/2003	Vinyl Chloride	ug/l	ND	2
EX15	3/27/2003	Xylenes, Total	ug/l	ND	3
EX15	5/5/2003	Xylenes, Total	ug/l	ND	3
EX15	7/17/2003	Xylenes, Total	ug/l	ND	3
EX15	10/17/2003	Xylenes, Total	ug/l	ND	3
EX15	3/27/2003	Zinc, Total	ug/l	110	6
EX15	5/5/2003	Zinc, Total	ug/l	130	6
EX15	7/17/2003	Zinc, Total	ug/l	7.1	6
EX15	10/17/2003	Zinc, Total	ug/l	52	6
EX15	3/27/2003	Zinc, Dissolved	ug/l	ND	6
EX15	5/5/2003	Zinc, Dissolved	ug/l	7	6
EX15	7/17/2003	Zinc, Dissolved	ug/l	15	6
EX15	10/17/2003	Zinc, Dissolved	ug/l	8.3	6
EX19	3/27/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX19	5/5/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX19	7/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX19	10/16/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX19	3/27/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX19	5/5/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX19	7/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX19	10/16/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX19	3/27/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX19	5/5/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX19	7/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX19	10/16/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX19	3/27/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX19	5/5/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX19	7/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX19	10/16/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX19	3/27/2003	1,1-Dichloroethane	ug/l	ND	1
EX19	5/5/2003	1,1-Dichloroethane	ug/l	ND	1
EX19	7/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX19	10/16/2003	1,1-Dichloroethane	ug/l	ND	1
EX19	3/27/2003	1,1-Dichloroethene	ug/l	ND	1
EX19	5/5/2003	1,1-Dichloroethene	ug/l	ND	1
EX19	7/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX19	10/16/2003	1,1-Dichloroethene	ug/l	ND	1
EX19	3/27/2003	1,1-Dichloropropene	ug/l	ND	1
EX19	5/5/2003	1,1-Dichloropropene	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX19	7/17/2003	1,1-Dichloropropene	ug/l	ND	1
EX19	10/16/2003	1,1-Dichloropropene	ug/l	ND	1
EX19	3/27/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX19	5/5/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX19	7/17/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX19	10/16/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX19	3/27/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX19	5/5/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX19	7/17/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX19	10/16/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX19	3/27/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX19	5/5/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX19	7/17/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX19	10/16/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX19	3/27/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX19	5/5/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX19	7/17/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX19	10/16/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX19	3/27/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX19	5/5/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX19	7/17/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX19	10/16/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX19	3/27/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX19	5/5/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX19	7/17/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX19	10/16/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX19	3/27/2003	1,2-Dichloroethane	ug/l	ND	1
EX19	5/5/2003	1,2-Dichloroethane	ug/l	ND	1
EX19	7/17/2003	1,2-Dichloroethane	ug/l	ND	1
EX19	10/16/2003	1,2-Dichloroethane	ug/l	ND	1
EX19	3/27/2003	1,2-Dichloropropane	ug/l	ND	1
EX19	5/5/2003	1,2-Dichloropropane	ug/l	ND	1
EX19	7/17/2003	1,2-Dichloropropane	ug/l	ND	1
EX19	10/16/2003	1,2-Dichloropropane	ug/l	ND	1
EX19	3/27/2003	1,3 Dichloropropane	ug/l	ND	1
EX19	5/5/2003	1,3 Dichloropropane	ug/l	ND	1
EX19	7/17/2003	1,3 Dichloropropane	ug/l	ND	1
EX19	10/16/2003	1,3 Dichloropropane	ug/l	ND	1
EX19	3/27/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX19	5/5/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX19	7/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX19	10/16/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX19	3/27/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX19	5/5/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX19	7/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX19	10/16/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX19	3/27/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX19	5/5/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX19	7/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX19	10/16/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX19	3/27/2003	2,2-Dichloropropane	ug/l	ND	1
EX19	5/5/2003	2,2-Dichloropropane	ug/l	ND	1
EX19	7/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX19	10/16/2003	2,2-Dichloropropane	ug/l	ND	1
EX19	3/27/2003	2,4-D	ug/l	ND	0.1
EX19	5/5/2003	2,4-D	ug/l	ND	0.1
EX19	7/17/2003	2,4-D	ug/l	ND	0.1
EX19	10/16/2003	2,4-D	ug/l	ND	0.1
EX19	3/27/2003	2-Butanone (MEK)	ug/l	ND	5

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX19	5/5/2003	2-Butanone (MEK)	ug/l	ND	5
EX19	7/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX19	10/16/2003	2-Butanone (MEK)	ug/l	ND	5
EX19	3/27/2003	2-Chlorotoluene	ug/l	ND	1
EX19	5/5/2003	2-Chlorotoluene	ug/l	ND	1
EX19	7/17/2003	2-Chlorotoluene	ug/l	ND	1
EX19	10/16/2003	2-Chlorotoluene	ug/l	ND	1
EX19	3/27/2003	2-Hexanone (MBK)	ug/l	ND	5
EX19	5/5/2003	2-Hexanone (MBK)	ug/l	ND	5
EX19	7/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX19	10/16/2003	2-Hexanone (MBK)	ug/l	ND	5
EX19	3/27/2003	4,4'-DDT	ug/l	ND	0.1
EX19	5/5/2003	4,4'-DDT	ug/l	ND	0.1
EX19	7/17/2003	4,4'-DDT	ug/l	ND	0.1
EX19	10/16/2003	4,4'-DDT	ug/l	ND	0.1
EX19	3/27/2003	4-Chlorotoluene	ug/l	ND	1
EX19	5/5/2003	4-Chlorotoluene	ug/l	ND	1
EX19	7/17/2003	4-Chlorotoluene	ug/l	ND	1
EX19	10/16/2003	4-Chlorotoluene	ug/l	ND	1
EX19	3/27/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX19	5/5/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX19	7/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX19	,10/16/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX19	3/27/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX19	5/5/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX19	7/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX19	10/16/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX19	3/27/2003	Acetone	ug/l	ND	10
EX19	5/5/2003	Acetone	ug/l	ND	10
EX19	7/17/2003	Acetone	ug/l	ND	10
EX19	10/16/2003	Acetone	ug/l	ND	10
EX19	3/27/2003	Acrolein	ug/l	ND	50
EX19	5/5/2003	Acrolein	ug/l	ND	50
EX19	7/17/2003	Acrolein	ug/l	ND	50
EX19	10/16/2003	Acrolein	ug/l	ND	50
EX19	3/27/2003	Acrylonitrile	ug/l	ND	50
EX19	5/5/2003	Acrylonitrile	ug/l	ND	50
EX19	7/17/2003	Acrylonitrile	ug/l	ND	50
EX19	10/16/2003	Acrylonitrile	ug/l	ND	50
EX19	3/27/2003	Alachlor	ug/l	ND	0.4
EX19	5/5/2003	Alachlor	ug/l	ND	0.4
EX19	7/17/2003	Alachlor	ug/l	ND	0.4
EX19	10/16/2003	Alachlor	ug/l	ND	0.4
EX19	3/27/2003	Aldicarb	ug/l	ND	0.4
EX19	5/5/2003	Aldicarb	ug/l	ND	0.4
EX19	7/17/2003	Aldicarb	ug/l	ND	0.4
EX19	10/16/2003	Aldicarb	ug/l	ND	0.4
EX19	3/27/2003	Aldrin	ug/l	ND	0.05
EX19	5/5/2003	Aldrin	ug/l	ND	0.05
EX19	7/17/2003	Aldrin	ug/l	ND	0.05
EX19	10/16/2003	Aldrin	ug/l	ND	0.05
EX19	3/27/2003	Aluminum, Total	ug/l	210000	50
EX19	5/5/2003	Aluminum, Total	ug/l	91000	10
EX19	7/17/2003	Aluminum, Total	ug/l	890	10
EX19	10/16/2003	Aluminum, Total	ug/l	100000	10
EX19	3/27/2003	Ammonia, Dissolved	mg/l	11	0.5
EX19	5/5/2003	Ammonia, Dissolved	mg/l	11	0.05
EX19	7/17/2003	Ammonia, Dissolved	mg/l	10	0.05
EX19	10/16/2003	Ammonia, Dissolved	mg/l	14	0.05

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX19	3/27/2003	Ammonia, Total	mg/l	12	0.5
EX19	5/5/2003	Ammonia, Total	mg/l	11	0.05
EX19	7/17/2003	Ammonia, Total	mg/l	12	0.05
EX19	10/16/2003	Ammonia, Total	mg/l	12	0.05
EX19	3/27/2003	Antimony, Total	ug/l	ND	3
EX19	5/5/2003	Antimony, Total	ug/l	ND	3
EX19	7/17/2003	Antimony, Total	ug/l	ND	3
EX19	10/16/2003	Antimony, Total	ug/l	ND	3
EX19	3/27/2003	Aroclor 1016	ug/l	ND	0.5
EX19	5/5/2003	Aroclor 1016	ug/l	ND	0.5
EX19	7/17/2003	Aroclor 1016	ug/l	ND	0.5
EX19	10/16/2003	Aroclor 1016	ug/l	ND	0.5
EX19	3/27/2003	Aroclor 1221	ug/l	ND	0.5
EX19	5/5/2003	Aroclor 1221	ug/l	ND	0.5
EX19	7/17/2003	Aroclor 1221	ug/l	ND	0.5
EX19	10/16/2003	Aroclor 1221	ug/l	ND	0.5
EX19	3/27/2003	Aroclor 1232	ug/l	ND	0.5
EX19	5/5/2003	Aroclor 1232	ug/l	ND	0.5
EX19	7/17/2003	Aroclor 1232	ug/l	ND	0.5
EX19	10/16/2003	Aroclor 1232	ug/l	ND	0.5
EX19	3/27/2003	Aroclor 1242	ug/l	ND	0.5
EX19	5/5/2003	Aroclor 1242	ug/l	ND	0.5
EX19	7/17/2003	Aroclor 1242	ug/l	ND	0.5
EX19	10/16/2003	Aroclor 1242	ug/l	ND	0.5
EX19	3/27/2003	Aroclor 1248	ug/l	ND	0.5
EX19	5/5/2003	Aroclor 1248	ug/l	ND	0.5
EX19	7/17/2003	Aroclor 1248	ug/l	ND	0.5
EX19	10/16/2003	Aroclor 1248	ug/l	ND	0.5
EX19	3/27/2003	Aroclor 1254	ug/l	ND	0.5
EX19	5/5/2003	Aroclor 1254	ug/l	ND	0.5
EX19	7/17/2003	Aroclor 1254	ug/l	ND	0.5
EX19	10/16/2003	Aroclor 1254	ug/l	ND	0.5
EX19	3/27/2003	Aroclor 1260	ug/l	ND	0.5
EX19	5/5/2003	Aroclor 1260	ug/l	ND	0.5
EX19	7/17/2003	Aroclor 1260	ug/l	ND	0.5
EX19	10/16/2003	Aroclor 1260	ug/l	ND	0.5
EX19	3/27/2003	Arsenic, Total	ug/l	100	1
EX19	5/5/2003	Arsenic, Total	ug/l	43	1
EX19	7/17/2003	Arsenic, Total	ug/l	56	1
EX19	10/16/2003	Arsenic, Total	ug/l	81	1
EX19	3/27/2003	Arsenic, Dissolved	ug/l	7.2	1
EX19	5/5/2003	Arsenic, Dissolved	ug/l	5.8	1
EX19	7/17/2003	Arsenic, Dissolved	ug/l	6	1
EX19	10/16/2003	Arsenic, Dissolved	ug/l	14	1
EX19	3/27/2003	Atrazine	ug/l	ND	0.2
EX19	5/5/2003	Atrazine	ug/l	ND	0.2
EX19	7/17/2003	Atrazine	ug/l	ND	0.2
EX19	10/16/2003	Atrazine	ug/l	ND	0.2
EX19	3/27/2003	Barium, Total	ug/l	1000	1
EX19	5/5/2003	Barium, Total	ug/l	720	1
EX19	7/17/2003	Barium, Total	ug/l	570	1
EX19	10/16/2003	Barium, Total	ug/l	630	1
EX19	3/27/2003	Benzene	ug/l	ND	1
EX19	5/5/2003	Benzene	ug/l	ND	1
EX19	7/17/2003	Benzene	ug/l	ND	1
EX19	10/16/2003	Benzene	ug/l	ND	1
EX19	3/27/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX19	5/5/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX19	7/17/2003	Benzo(a)pyrene	ug/l	ND	0.2

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX19	10/16/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX19	3/27/2003	Beryllium, Total	ug/l	11	1
EX19	5/5/2003	Beryllium, Total	ug/l	5.1	1
EX19	7/17/2003	Beryllium, Total	ug/l	3.8	1
EX19	10/16/2003	Beryllium, Total	ug/l	5	1
EX19	3/27/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX19	5/5/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX19	7/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX19	10/16/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX19	3/27/2003	Biological Oxygen Demand (BOD)	mg/l	8	3
EX19	5/5/2003	Biological Oxygen Demand (BOD)	mg/l	10	3
EX19	7/17/2003	Biological Oxygen Demand (BOD)	mg/l	26	3
EX19	10/16/2003	Biological Oxygen Demand (BOD)	mg/l	24	3
EX19	3/27/2003	Boron, Dissolved	ug/l	720	10
EX19	5/5/2003	Boron, Dissolved	ug/l	320	10
EX19	7/17/2003	Boron, Dissolved	ug/l	380	10
EX19	10/16/2003	Boron, Dissolved	ug/l	290	10
EX19	3/27/2003	Boron, Total	ug/l	720	10
EX19	5/5/2003	Boron, Total	ug/l	540	10
EX19	7/17/2003	Boron, Total	ug/l	650	10
EX19	10/16/2003	Boron, Total	ug/l	450	10
EX19	3/27/2003	Bromobenzene	ug/l	ND	1
EX19	5/5/2003	Bromobenzene	ug/l	ND	1
EX19	7/17/2003	Bromobenzene	ug/l	ND	1
EX19	10/16/2003	Bromobenzene	ug/l	ND	1
EX19	3/27/2003	Bromochloromethane	ug/l	ND	1
EX19	5/5/2003	Bromochloromethane	ug/l	ND	1
EX19	7/17/2003	Bromochloromethane	ug/l	ND	1
EX19	10/16/2003	Bromochloromethane	ug/l	ND	1
EX19	3/27/2003	Bromodichloromethane	ug/l	ND	1
EX19	5/5/2003	Bromodichloromethane	ug/l	ND	1
EX19	7/17/2003	Bromodichloromethane	ug/l	ND	1
EX19	10/16/2003	Bromodichloromethane	ug/l	ND	1
EX19	3/27/2003	Bromoform	ug/l	ND	1
EX19	5/5/2003	Bromoform	ug/l	ND	1
EX19	7/17/2003	Bromoform	ug/l	ND	1
EX19	10/16/2003	Bromoform	ug/l	ND	1
EX19	3/27/2003	Bromomethane	ug/l	ND	2
EX19	5/5/2003	Bromomethane	ug/l	ND	2
EX19	7/17/2003	Bromomethane	ug/l	ND	2
EX19	10/16/2003	Bromomethane	ug/l	ND	2
EX19	3/27/2003	Cadmium, Dissolved	ug/l	ND	1
EX19	5/5/2003	Cadmium, Dissolved	ug/l	ND	1
EX19	7/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX19	10/16/2003	Cadmium, Dissolved	ug/l	ND	1
EX19	3/27/2003	Cadmium, Total	ug/l	1.3	1
EX19	5/5/2003	Cadmium, Total	ug/l	ND	1
EX19	7/17/2003	Cadmium, Total	ug/l	ND	1
EX19	10/16/2003	Cadmium, Total	ug/l	ND	1
EX19	3/27/2003	Calcium, Total	mg/l	770	0.5
EX19	5/5/2003	Calcium, Total	mg/l	360	0.1
EX19	7/17/2003	Calcium, Total	mg/l	380	0.1
EX19	10/16/2003	Calcium, Total	mg/l	550	0.1
EX19	3/27/2003	Carbofuran	ug/l	ND	1.5
EX19	5/5/2003	Carbofuran	ug/l	ND	1.5
EX19	7/17/2003	Carbofuran	ug/l	ND	1.5
EX19	10/16/2003	Carbofuran	ug/l	ND	1.5
EX19	3/27/2003	Carbon Disulfide	ug/l	ND	1
EX19	5/5/2003	Carbon Disulfide	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX19	7/17/2003	Carbon Disulfide	ug/l	ND	1
EX19	10/16/2003	Carbon Disulfide	ug/l	ND	1
EX19	3/27/2003	Carbon Tetrachloride	ug/l	ND	1
EX19	5/5/2003	Carbon Tetrachloride	ug/l	ND	1
EX19	7/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX19	10/16/2003	Carbon Tetrachloride	ug/l	ND	1
EX19	3/27/2003	Chlordane (Tech)	ug/l	ND	0.5
EX19	5/5/2003	Chlordane (Tech)	ug/l	ND	0.5
EX19	7/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX19	10/16/2003	Chlordane (Tech)	ug/l	ND	0.5
EX19	3/27/2003	Chloride, Dissolved	mg/l	3.7	1
EX19	5/5/2003	Chloride, Dissolved	mg/l	3.1	1
EX19	7/17/2003	Chloride, Dissolved	mg/l	3.1	1
EX19	10/16/2003	Chloride, Dissolved	mg/l	3	0.5
EX19	3/27/2003	Chloride, Total	mg/l	4	1
EX19	5/5/2003	Chloride, Total	mg/l	3.2	1
EX19	7/17/2003	Chloride, Total	mg/l	3	1
EX19	10/16/2003	Chloride, Total	mg/l	3	0.5
EX19	3/27/2003	Chlorobenzene	ug/l	ND	1
EX19	5/5/2003	Chlorobenzene	ug/l	ND	1
EX19	7/17/2003	Chlorobenzene	ug/l	ND	1
EX19	10/16/2003	Chlorobenzene	ug/l	ND	1
EX19	3/27/2003	Chloroethane	ug/l	ND	2
EX19	5/5/2003	Chloroethane	ug/l	ND	2
EX19	7/17/2003	Chloroethane	ug/l	ND	2
EX19	10/16/2003	Chloroethane	ug/l	ND	2
EX19	3/27/2003	Chloroform	ug/l	ND	1
EX19	5/5/2003	Chloroform	ug/l	ND	1
EX19	7/17/2003	Chloroform	ug/l	ND	1
EX19	10/16/2003	Chloroform	ug/l	ND	1
EX19	3/27/2003	Chloromethane	ug/l	ND	2
EX19	5/5/2003	Chloromethane	ug/l	ND	2
EX19	7/17/2003	Chloromethane	ug/l	ND	2
EX19	10/16/2003	Chloromethane	ug/l	ND	2
EX19	3/27/2003	Chromium, Total	ug/l	460	20
EX19	5/5/2003	Chromium, Total	ug/l	180	4
EX19	7/17/2003	Chromium, Total	ug/l	180	4
EX19	10/16/2003	Chromium, Total	ug/l	240	4
EX19	3/27/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX19	5/5/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX19	7/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX19	10/16/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX19	3/27/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX19	5/5/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX19	7/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX19	10/16/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX19	3/27/2003	Cobalt, Total	ug/l	140	10
EX19	5/5/2003	Cobalt, Total	ug/l	46	2
EX19	7/17/2003	Cobalt, Total	ug/l	63	2
EX19	10/16/2003	Cobalt, Total	ug/l	76	2
EX19	3/27/2003	Chemical Oxygen Demand (COD)	mg/l	20	6
EX19	5/5/2003	Chemical Oxygen Demand (COD)	mg/l	ND	6
EX19	7/17/2003	Chemical Oxygen Demand (COD)	mg/l	31	6
EX19	10/16/2003	Chemical Oxygen Demand (COD)	mg/l	18	6
EX19	3/27/2003	Copper, Total	ug/l	300	3
EX19	5/5/2003	Copper, Total	ug/l	120	3
EX19	7/17/2003	Copper, Total	ug/l	110	3
EX19	10/16/2003	Copper, Total	ug/l	140	3
EX19	3/27/2003	Cyanide, Total	mg/l	ND	0.005

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX19	5/5/2003	Cyanide, Total	mg/l	ND	0.005
EX19	7/17/2003	Cyanide, Total	mg/l	ND	0.005
EX19	10/16/2003	Cyanide, Total	mg/l	ND	0.005
EX19	3/27/2003	Dalapon	ug/l	ND	1.5
EX19	5/5/2003	Dalapon	ug/l	ND	1.5
EX19	7/17/2003	Dalapon	ug/l	ND	1.5
EX19	10/16/2003	Dalapon	ug/l	ND	1.5
EX19	3/27/2003	Dibromochloromethane	ug/l	ND	1
EX19	5/5/2003	Dibromochloromethane	ug/l	ND	1
EX19	7/17/2003	Dibromochloromethane	ug/l	ND	1
EX19	10/16/2003	Dibromochloromethane	ug/l	ND	1
EX19	3/27/2003	Dibromomethane	ug/l	ND	1
EX19	5/5/2003	Dibromomethane	ug/l	ND	1
EX19	7/17/2003	Dibromomethane	ug/l	ND	1
EX19	10/16/2003	Dibromomethane	ug/l	ND	1
EX19	3/27/2003	Dichlorodifluoromethane	ug/l	ND	2
EX19	5/5/2003	Dichlorodifluoromethane	ug/l	ND	2
EX19	7/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX19	10/16/2003	Dichlorodifluoromethane	ug/l	ND	2
EX19	3/27/2003	Dieldrin	ug/l	ND	0.1
EX19	5/5/2003	Dieldrin	ug/l	ND	0.1
EX19	7/17/2003	Dieldrin	ug/l	ND	0.1
EX19	10/16/2003	Dieldrin	ug/l	ND	0.1
EX19	3/27/2003	Diethyl phthalate	ug/l	ND	10
EX19	5/5/2003	Diethyl phthalate	ug/l	ND	10
EX19	7/17/2003	Diethyl phthalate	ug/l	ND	10
EX19	10/16/2003	Diethyl phthalate	ug/l	ND	10
EX19	3/27/2003	Dimethyl phthalate	ug/l	ND	10
EX19	5/5/2003	Dimethyl phthalate	ug/l	ND	10
EX19	7/17/2003	Dimethyl phthalate	ug/l	ND	10
EX19	10/16/2003	Dimethyl phthalate	ug/l	ND	10
EX19	3/27/2003	Di-n-butyl phthalate	ug/l	ND	10
EX19	5/5/2003	Di-n-butyl phthalate	ug/l	ND	10
EX19	7/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX19	10/16/2003	Di-n-butyl phthalate	ug/l	ND	10
EX19	3/27/2003	Dinoseb	ug/l	ND	0.2
EX19	5/5/2003	Dinoseb	ug/l	ND	0.2
EX19	7/17/2003	Dinoseb	ug/l	ND	0.2
EX19	10/16/2003	Dinoseb	ug/l	ND	0.2
EX19	3/27/2003	Endothal	ug/l	ND	40
EX19	5/5/2003	Endothal	ug/l	ND	40
EX19	7/17/2003	Endothal	ug/l	ND	40
EX19	10/16/2003	Endothal	ug/l	ND	40
EX19	3/27/2003	Endrin	ug/l	ND	0.1
EX19	5/5/2003	Endrin	ug/l	ND	0.1
EX19	7/17/2003	Endrin	ug/l	ND	0.1
EX19	10/16/2003	Endrin	ug/l	ND	0.1
EX19	3/27/2003	Ethylbenzene	ug/l	ND	1
EX19	5/5/2003	Ethylbenzene	ug/l	ND	1
EX19	7/17/2003	Ethylbenzene	ug/l	ND	1
EX19	10/16/2003	Ethylbenzene	ug/l	ND	1
EX19	3/27/2003	Ethylene dibromide	ug/l	ND	0.05
EX19	5/5/2003	Ethylene dibromide	ug/l	ND	0.05
EX19	7/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX19	10/16/2003	Ethylene dibromide	ug/l	ND	0.05
EX19	3/27/2003	Fluoride, Total	mg/l	0.4	0.25
EX19	5/5/2003	Fluoride, Total	mg/l	0.44	0.25
EX19	7/17/2003	Fluoride, Total	mg/l	0.34	0.25
EX19	10/16/2003	Fluoride, Total	mg/l	0.491	0.25

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX19	3/27/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX19	5/5/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX19	7/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX19	10/16/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX19	3/27/2003	Heptachlor	ug/l	ND	0.05
EX19	5/5/2003	Heptachlor	ug/l	ND	0.05
EX19	7/17/2003	Heptachlor	ug/l	ND	0.05
EX19	10/16/2003	Heptachlor	ug/l	ND	0.05
EX19	3/27/2003	Heptachlor epoxide	ug/l	ND	0.05
EX19	5/5/2003	Heptachlor epoxide	ug/l	ND	0.05
EX19	7/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX19	10/16/2003	Heptachlor epoxide	ug/l	ND	0.05
EX19	3/27/2003	Hexachlorobutadiene	ug/l	ND	10
EX19	5/5/2003	Hexachlorobutadiene	ug/l	ND	10
EX19	7/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX19	10/16/2003	Hexachlorobutadiene	ug/l	ND	10
EX19	3/27/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX19	5/5/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX19	7/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX19	10/16/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX19	3/27/2003	Iodomethane	ug/l	ND	1
EX19	5/5/2003	Iodomethane	ug/l	ND	1
EX19	7/17/2003	Iodomethane	ug/l	ND	1
EX19	10/16/2003	Iodomethane	ug/l	ND	1
EX19	3/27/2003	Iron, Dissolved	ug/l	140	10
EX19	5/5/2003	Iron, Dissolved	ug/l	570	10
EX19	7/17/2003	Iron, Dissolved	ug/l	1800	10
EX19	10/16/2003	Iron, Dissolved	ug/l	7200	10
EX19	3/27/2003	Iron, Total	ug/l	410000	10
EX19	5/5/2003	Iron, Total	ug/l	140000	10
EX19	7/17/2003	Iron, Total	ug/l	160000	10
EX19	10/16/2003	Iron, Total	ug/l	200000	1110
EX19	3/27/2003	Isophorone	ug/l	ND	10
EX19	5/5/2003	Isophorone	ug/l	ND	10
EX19	7/17/2003	Isophorone	ug/l	ND	10
EX19	10/16/2003	Isophorone	ug/l	ND	10
EX19	3/27/2003	Isopropylbenzene	ug/l	ND	1
EX19	5/5/2003	Isopropylbenzene	ug/l	ND	1
EX19	7/17/2003	Isopropylbenzene	ug/l	ND	1
EX19	10/16/2003	Isopropylbenzene	ug/l	ND	1
EX19	3/27/2003	Lead, Total	ug/l	320	5
EX19	5/5/2003	Lead, Total	ug/l	89	1
EX19	7/17/2003	Lead, Total	ug/l	94	1
EX19	10/16/2003	Lead, Total	ug/l	140	1
EX19	3/27/2003	Lead, Dissolved	ug/l	ND	1
EX19	5/5/2003	Lead, Dissolved	ug/l	ND	1
EX19	7/17/2003	Lead, Dissolved	ug/l	ND	1
EX19	10/16/2003	Lead, Dissolved	ug/l	ND	1
EX19	3/27/2003	Magnesium, Total	mg/l	380	0.5
EX19	5/5/2003	Magnesium, Total	mg/l	180	0.1
EX19	7/17/2003	Magnesium, Total	mg/l	1300	0.1
EX19	10/16/2003	Magnesium, Total	mg/l	280	0.1
EX19	3/27/2003	Manganese, Dissolved	ug/l	76	1
EX19	5/5/2003	Manganese, Dissolved	ug/l	59	1
EX19	7/17/2003	Manganese, Dissolved	ug/l	52	1
EX19	10/16/2003	Manganese, Dissolved	ug/l	54	1
EX19	3/27/2003	Manganese, Total	ug/l	6200	5
EX19	5/5/2003	Manganese, Total	ug/l	2400	1
EX19	7/17/2003	Manganese, Total	ug/l	510	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX19	10/16/2003	Manganese, Total	ug/l	3800	1
EX19	3/27/2003	Mercury, Dissolved	ug/l	ND	0.2
EX19	5/5/2003	Mercury, Dissolved	ug/l	ND	0.2
EX19	7/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX19	10/16/2003	Mercury, Dissolved	ug/l	ND	0.2
EX19	3/27/2003	Mercury, Total	ug/l	ND	0.2
EX19	5/5/2003	Mercury, Total	ug/l	ND	0.2
EX19	7/17/2003	Mercury, Total	ug/l	ND	0.2
EX19	10/16/2003	Mercury, Total	ug/l	ND	0.2
EX19	3/27/2003	Methoxychlor	ug/l	ND	0.5
EX19	5/5/2003	Methoxychlor	ug/l	ND	0.5
EX19	7/17/2003	Methoxychlor	ug/l	ND	0.5
EX19	10/16/2003	Methoxychlor	ug/l	ND	0.5
EX19	3/27/2003	Methylene Chloride	ug/l	ND	5
EX19	5/5/2003	Methylene Chloride	ug/l	ND	5
EX19	7/17/2003	Methylene Chloride	ug/l	ND	5
EX19	10/16/2003	Methylene Chloride	ug/l	ND	5
EX19	3/27/2003	Naphthalene	ug/l	ND	10
EX19	5/5/2003	Naphthalene	ug/l	ND	10
EX19	7/17/2003	Naphthalene	ug/l	ND	10
EX19	10/16/2003	Naphthalene	ug/l	ND	10
EX19	3/27/2003	n-Butylbenzene	ug/l	ND	1
EX19	5/5/2003	n-Butylbenzene	ug/l	ND	1
EX19	7/17/2003	n-Butylbenzene	ug/l	ND	1
EX19	10/16/2003	n-Butylbenzene	ug/l	ND	1
EX19	3/27/2003	Nickel, Total	ug/l	440	25
EX19	5/5/2003	Nickel, Total	ug/l	140	5
EX19	7/17/2003	Nickel, Total	ug/l	1400	5
EX19	10/16/2003	Nickel, Total	ug/l	220	5
EX19	3/27/2003	Nitrate/Nitrite as N Dissolved	mg/l	0.031	0.02
EX19	5/5/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX19	7/17/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX19	10/16/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX19	3/27/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX19	5/5/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX19	7/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX19	10/16/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX19	3/27/2003	n-Propylbenzene	ug/l	ND	1
EX19	5/5/2003	n-Propylbenzene	ug/l	ND	1
EX19	7/17/2003	n-Propylbenzene	ug/l	ND	1
EX19	10/16/2003	n-Propylbenzene	ug/l	ND	1
EX19	3/27/2003	Oil and Grease, Total	mg/l	ND	6
EX19	5/5/2003	Oil and Grease, Total	mg/l	ND	5
EX19	7/17/2003	Oil and Grease, Total	mg/l	5.5	5
EX19	10/16/2003	Oil and Grease, Total	mg/l	ND	5
EX19	3/27/2003	o-Xylene	ug/l	ND	1
EX19	5/5/2003	o-Xylene	ug/l	ND	1
EX19	7/17/2003	o-Xylene	ug/l	ND	1
EX19	10/16/2003	o-Xylene	ug/l	ND	1
EX19	3/27/2003	Parathion	ug/l	ND	0.2
EX19	5/5/2003	Parathion	ug/l	ND	0.2
EX19	7/17/2003	Parathion	ug/l	ND	0.2
EX19	10/16/2003	Parathion	ug/l	ND	0.2
EX19	3/27/2003	Pentachlorophenol	ug/l	ND	0.05
EX19	5/5/2003	Pentachlorophenol	ug/l	ND	0.05
EX19	7/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX19	10/16/2003	Pentachlorophenol	ug/l	ND	0.05
EX19	10/16/2003	pH, Field Aqueous	s.u.	6.26	
EX19	3/27/2003	pH, Field Aqueous	s.u.	6.9	

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX19	5/ 5/2003	pH, Field Aqueous	s.u.	6.9	
EX19	7/17/2003	pH, Field Aqueous	s.u.	6.78	
EX19	3/27/2003	Phenols, Total	mg/l	ND	0.005
EX19	5/5/2003	Phenols, Total	mg/l	ND	0.005
EX19	7/17/2003	Phenols, Total	mg/l	ND	0.005
EX19	10/16/2003	Phenols, Total	mg/l	ND	0.005
EX19	3/27/2003	Picloram	ug/l	ND	0.2
EX19	5/5/2003	Picloram	ug/l	ND	0.2
EX19	7/17/2003	Picloram	ug/l	ND	0.2
EX19	10/16/2003	Picloram	ug/l	ND	0.2
EX19	3/27/2003	p-Isopropyltoluene	ug/l	ND	1
EX19	5/5/2003	p-Isopropyltoluene	ug/l	ND	1
EX19	7/17/2003	p-Isopropyltoluene	ug/l	ND	1
EX19	10/16/2003	p-Isopropyltoluene	ug/l	ND	1
EX19	3/27/2003	Potassium, Total	mg/l	84	0.5
EX19	5/5/2003	Potassium, Total	mg/l	52	0.1
EX19	7/17/2003	Potassium, Total	mg/l	2300	0.1
EX19	10/16/2003	Potassium, Total	mg/l	43	0.1
EX19	3/27/2003	p-Xylene	ug/l	ND	1
EX19	5/5/2003	p-Xylene	ug/l	ND	1
EX19	7/17/2003	p-Xylene	ug/l	ND	1
EX19	10/16/2003	p-Xylene	ug/l	ND	1
EX19	3/27/2003	sec-Butylbenzene	ug/l	ND	1
EX19	5/5/2003	sec-Butylbenzene	ug/l	ND	1
EX19	7/17/2003	sec-Butylbenzene	ug/l	ND	1
EX19	10/16/2003	sec-Butylbenzene	ug/l	ND	1
EX19	3/27/2003	Selenium, Total	ug/l	8	1
EX19	5/5/2003	Selenium, Total	ug/l	3.8	1
EX19	7/17/2003	Selenium, Total	ug/l	2.6	1
EX19	10/16/2003	Selenium, Total	ug/l	5.8	1
EX19	3/27/2003	Silver, Total	ug/l	ND	5
EX19	5/5/2003	Silver, Total	ug/l	ND	5
EX19	7/17/2003	Silver, Total	ug/l	ND	5
EX19	10/16/2003	Silver, Total	ug/l	ND	5
EX19	3/27/2003	Silvex	ug/l	ND	0.05
EX19	5/5/2003	Silvex	ug/l	ND	0.05
EX19	7/17/2003	Silvex	ug/l	ND	0.05
EX19	10/16/2003	Silvex	ug/l	ND	0.05
EX19	3/27/2003	Simazine	ug/l	ND	0.2
EX19	5/5/2003	Simazine	ug/l	ND	0.2
EX19	7/17/2003	Simazine	ug/l	ND	0.2
EX19	10/16/2003	Simazine	ug/l	ND	0.2
EX19	3/27/2003	Sodium, Total	mg/l	30	0.5
EX19	5/5/2003	Sodium, Total	mg/l	32	0.1
EX19	7/17/2003	Sodium, Total	mg/l	7700	0.1
EX19	10/16/2003	Sodium, Total	mg/l	30	0.1
EX19	10/16/2003	Specific Conductance, Field	umhos/cm	800	
EX19	3/27/2003	Specific Conductance, Field	umhos/cm	800	
EX19	5/ 5/2003	Specific Conductance, Field	umhos/cm	745	
EX19	7/17/2003	Specific Conductance, Field		780	
EX19	3/27/2003	Styrene	ug/l	ND	1
EX19	5/5/2003	Styrene	ug/l	ND	1
EX19	7/17/2003	Styrene	ug/l	ND	1
EX19	10/16/2003	Styrene	ug/l	ND	1
EX19	3/27/2003	Sulfate, Dissolved	mg/l	2	1
EX19	5/5/2003	Sulfate, Dissolved	mg/l	1.6	1
EX19	7/17/2003	Sulfate, Dissolved	mg/l	ND	1
EX19	10/16/2003	Sulfate, Dissolved	mg/l	3.3	1
EX19	3/27/2003	Sulfate, Total	mg/l	2.2	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX19	5/5/2003	Sulfate, Total	mg/l	3.9	1
EX19	7/17/2003	Sulfate, Total	mg/l	4.5	1
EX19	10/16/2003	Sulfate, Total	mg/l	4.6	1
EX19	3/27/2003	tert-Butylbenzene	ug/l	ND	1
EX19	5/5/2003	tert-Butylbenzene	ug/l	ND	1
EX19	7/17/2003	tert-Butylbenzene	ug/l	ND	1
EX19	10/16/2003	tert-Butylbenzene	ug/l	ND	1
EX19	3/27/2003	Tetrachloroethene	ug/l	ND	1
EX19	5/5/2003	Tetrachloroethene	ug/l	ND	1
EX19	7/17/2003	Tetrachloroethene	ug/l	ND	1
EX19	10/16/2003	Tetrachloroethene	ug/l	ND	1
EX19	3/27/2003	Tetrahydrofuran	ug/l	ND	20
EX19	5/5/2003	Tetrahydrofuran	ug/l	ND	20
EX19	7/17/2003	Tetrahydrofuran	ug/l	ND	20
EX19	10/16/2003	Tetrahydrofuran	ug/l	ND	20
EX19	3/27/2003	Thallium, Total	ug/l	2.5	1
EX19	5/5/2003	Thallium, Total	ug/l	ND	1
EX19	7/17/2003	Thallium, Total	ug/l	ND	1
EX19	10/16/2003	Thallium, Total	ug/l	1.3	1
EX19	3/27/2003	Total Organic Carbon (TOC)	mg/l	11	0.5
EX19	5/5/2003	Total Organic Carbon (TOC)	mg/l	7.9	0.5
EX19	7/17/2003	Total Organic Carbon (TOC)	mg/l	9.4	0.5
EX19	10/16/2003	Total Organic Carbon (TOC)	mg/l	8.2	0.5
EX19	3/27/2003	Toluene	ug/l	ND	1
EX19	5/5/2003	Toluene	ug/l	ND	1
EX19	7/17/2003	Toluene	ug/l	ND	1
EX19	10/16/2003	Toluene	ug/l	ND	1
EX19	3/27/2003	Total Dissolved Solids	mg/l	580	17
EX19	5/5/2003	Total Dissolved Solids	mg/l	590	17
EX19	7/17/2003	Total Dissolved Solids	mg/l	560	17
EX19	10/16/2003	Total Dissolved Solids	mg/l	420	51
EX19	3/27/2003	Toxaphene	ug/l	ND	1.5
EX19	5/5/2003	Toxaphene	ug/l	ND	1.5
EX19	7/17/2003	Toxaphene	ug/l	ND	1.5
EX19	10/16/2003	Toxaphene	ug/l	ND	1.5
EX19	3/27/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX19	5/5/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX19	7/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX19	10/16/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX19	3/27/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX19	5/5/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX19	7/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX19	10/16/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX19	3/27/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX19	5/5/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX19	7/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX19	10/16/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX19	3/27/2003	Trichloroethene	ug/l	ND	1
EX19	5/5/2003	Trichloroethene	ug/l	ND	1
EX19	7/17/2003	Trichloroethene	ug/l	ND	1
EX19	10/16/2003	Trichloroethene	ug/l	ND	1
EX19	3/27/2003	Trichlorofluoromethane	ug/l	ND	1
EX19	5/5/2003	Trichlorofluoromethane	ug/l	ND	1
EX19	7/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX19	10/16/2003	Trichlorofluoromethane	ug/l	ND	1
EX19	3/27/2003	Vanadium, Total	ug/l	450	25
EX19	5/5/2003	Vanadium, Total	ug/l	210	5
EX19	7/17/2003	Vanadium, Total	ug/l	72	5
EX19	10/16/2003	Vanadium, Total	ug/l	220	5

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX19	3/27/2003	Vinyl Acetate	ug/l	ND	5
EX19	5/5/2003	Vinyl Acetate	ug/l	ND	5
EX19	7/17/2003	Vinyl Acetate	ug/l	ND	5
EX19	10/16/2003	Vinyl Acetate	ug/l	ND	5
EX19	3/27/2003	Vinyl Chloride	ug/l	ND	2
EX19	5/5/2003	Vinyl Chloride	ug/l	ND	2
EX19	7/17/2003	Vinyl Chloride	ug/l	ND	2
EX19	10/16/2003	Vinyl Chloride	ug/l	ND	2
EX19	3/27/2003	Xylenes, Total	ug/l	ND	3
EX19	5/5/2003	Xylenes, Total	ug/l	ND	3
EX19	7/17/2003	Xylenes, Total	ug/l	ND	3
EX19	10/16/2003	Xylenes, Total	ug/l	ND	3
EX19	3/27/2003	Zinc, Total	ug/l	1100	6
EX19	5/5/2003	Zinc, Total	ug/l	360	6
EX19	7/17/2003	Zinc, Total	ug/l	370	6
EX19	10/16/2003	Zinc, Total	ug/l	490	6
EX19	3/27/2003	Zinc, Dissolved	ug/l	ND	6
EX19	5/5/2003	Zinc, Dissolved	ug/l	ND	6
EX19	7/17/2003	Zinc, Dissolved	ug/l	ND	6
EX19	10/16/2003	Zinc, Dissolved	ug/l	7.8	6
EX21D	3/27/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX21D	5/5/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX21D	7/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX21D	10/16/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX21D	3/27/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX21D	5/5/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX21D	7/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX21D	10/16/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX21D	3/27/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX21D	5/5/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX21D	7/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX21D	10/16/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX21D	3/27/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX21D	5/5/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX21D	7/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX21D	10/16/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX21D	3/27/2003	1,1-Dichloroethane	ug/l	ND	1
EX21D	5/5/2003	1,1-Dichloroethane	ug/l	ND	1
EX21D	7/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX21D	10/16/2003	1,1-Dichloroethane	ug/l	ND	1
EX21D	3/27/2003	1,1-Dichloroethene	ug/l	ND	1
EX21D	5/5/2003	1,1-Dichloroethene	ug/l	ND	1
EX21D	7/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX21D	10/16/2003	1,1-Dichloroethene	ug/l	ND	1
EX21D	3/27/2003	1,1-Dichloropropene	ug/l	ND	1
EX21D	5/5/2003	1,1-Dichloropropene	ug/l	ND	1
EX21D	7/17/2003	1,1-Dichloropropene	ug/l	ND	1
EX21D	10/16/2003	1,1-Dichloropropene	ug/l	ND	1
EX21D	3/27/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX21D	5/5/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX21D	7/17/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX21D	10/16/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX21D	3/27/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX21D	5/5/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX21D	7/17/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX21D	10/16/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX21D	3/27/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX21D	5/5/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX21D	7/17/2003	1,2,4-Trichlorobenzene	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX21D	10/16/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX21D	3/27/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX21D	5/5/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX21D	7/17/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX21D	10/16/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX21D	3/27/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX21D	5/5/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX21D	7/17/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX21D	10/16/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX21D	3/27/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX21D	5/5/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX21D	7/17/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX21D	10/16/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX21D	3/27/2003	1,2-Dichloroethane	ug/l	ND	1
EX21D	5/5/2003	1,2-Dichloroethane	ug/l	ND	1
EX21D	7/17/2003	1,2-Dichloroethane	ug/l	ND	1
EX21D	10/16/2003	1,2-Dichloroethane	ug/l	ND	1
EX21D	3/27/2003	1,2-Dichloropropane	ug/l	ND	1
EX21D	5/5/2003	1,2-Dichloropropane	ug/l	ND	1
EX21D	7/17/2003	1,2-Dichloropropane	ug/l	ND	1
EX21D	10/16/2003	1,2-Dichloropropane	ug/l	ND	1
EX21D	3/27/2003	1,3-Dichloropropane	ug/l	ND	1
EX21D	5/5/2003	1,3-Dichloropropane	ug/l	ND	1
EX21D	7/17/2003	1,3-Dichloropropane	ug/l	ND	1
EX21D	10/16/2003	1,3-Dichloropropane	ug/l	ND	1
EX21D	3/27/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX21D	5/5/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX21D	7/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX21D	10/16/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX21D	3/27/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX21D	5/5/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX21D	7/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX21D	10/16/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX21D	3/27/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX21D	5/5/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX21D	7/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX21D	10/16/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX21D	3/27/2003	2,2-Dichloropropane	ug/l	ND	1
EX21D	5/5/2003	2,2-Dichloropropane	ug/l	ND	1
EX21D	7/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX21D	10/16/2003	2,2-Dichloropropane	ug/l	ND	1
EX21D	3/27/2003	2,4-D	ug/l	ND	0.1
EX21D	5/5/2003	2,4-D	ug/l	ND	0.1
EX21D	7/17/2003	2,4-D	ug/l	ND	0.1
EX21D	10/16/2003	2,4-D	ug/l	ND	0.1
EX21D	3/27/2003	2-Butanone (MEK)	ug/l	ND	5
EX21D	5/5/2003	2-Butanone (MEK)	ug/l	ND	5
EX21D	7/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX21D	10/16/2003	2-Butanone (MEK)	ug/l	ND	5
EX21D	3/27/2003	2-Chlorotoluene	ug/l	ND	1
EX21D	5/5/2003	2-Chlorotoluene	ug/l	ND	1
EX21D	7/17/2003	2-Chlorotoluene	ug/l	ND	1
EX21D	10/16/2003	2-Chlorotoluene	ug/l	ND	1
EX21D	3/27/2003	2-Hexanone (MBK)	ug/l	ND	5
EX21D	5/5/2003	2-Hexanone (MBK)	ug/l	ND	5
EX21D	7/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX21D	10/16/2003	2-Hexanone (MBK)	ug/l	ND	5
EX21D	3/27/2003	4,4'-DDT	ug/l	ND	0.1
EX21D	5/5/2003	4,4'-DDT	ug/l	ND	0.1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX21D	7/17/2003	4,4'-DDT	ug/l	ND	0.1
EX21D	10/16/2003	4,4'-DDT	ug/l	ND	0.1
EX21D	3/27/2003	4-Chlorotoluene	ug/l	ND	1
EX21D	5/5/2003	4-Chlorotoluene	ug/l	ND	1
EX21D	7/17/2003	4-Chlorotoluene	ug/l	ND	1
EX21D	10/16/2003	4-Chlorotoluene	ug/l	ND	1
EX21D	3/27/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX21D	5/5/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX21D	7/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX21D	10/16/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX21D	3/27/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX21D	5/5/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX21D	7/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX21D	10/16/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX21D	3/27/2003	Acetone	ug/l	ND	10
EX21D	5/5/2003	Acetone	ug/l	ND	10
EX21D	7/17/2003	Acetone	ug/l	ND	10
EX21D	10/16/2003	Acetone	ug/l	ND	10
EX21D	3/27/2003	Acrolein	ug/l	ND	50
EX21D	5/5/2003	Acrolein	ug/l	ND	50
EX21D	7/17/2003	Acrolein	ug/l	ND	50
EX21D	10/16/2003	Acrolein	ug/l	ND	50
EX21D	3/27/2003	Acrylonitrile	ug/l	ND	50
EX21D	5/5/2003	Acrylonitrile	ug/l	ND	50
EX21D	7/17/2003	Acrylonitrile	ug/l	ND	50
EX21D	10/16/2003	Acrylonitrile	ug/l	ND	50
EX21D	3/27/2003	Alachlor	ug/l	ND	0.4
EX21D	5/5/2003	Alachlor	ug/l	ND	0.4
EX21D	7/17/2003	Alachlor	ug/l	ND	0.4
EX21D	10/16/2003	Alachlor	ug/l	ND	0.4
EX21D	3/27/2003	Aldicarb	ug/l	ND	0.4
EX21D	5/5/2003	Aldicarb	ug/l	ND	0.4
EX21D	7/17/2003	Aldicarb	ug/l	ND	0.4
EX21D	10/16/2003	Aldicarb	ug/l	ND	0.4
EX21D	3/27/2003	Aldrin	ug/l	ND	0.05
EX21D	5/5/2003	Aldrin	ug/l	ND	0.05
EX21D	7/17/2003	Aldrin	ug/l	ND	0.05
EX21D	10/16/2003	Aldrin	ug/l	ND	0.05
EX21D	3/27/2003	Aluminum, Total	ug/l	28000	20
EX21D	5/5/2003	Aluminum, Total	ug/l	69000	10
EX21D	7/17/2003	Aluminum, Total	ug/l	20000	10
EX21D	10/16/2003	Aluminum, Total	ug/l	33000	10
EX21D	3/27/2003	Ammonia, Dissolved	mg/l	8	0.5
EX21D	5/5/2003	Ammonia, Dissolved	mg/l	8.1	0.05
EX21D	7/17/2003	Ammonia, Dissolved	mg/l	7.7	0.05
EX21D	10/16/2003	Ammonia, Dissolved	mg/l	7.6	0.05
EX21D	3/27/2003	Ammonia, Total	mg/l	8.6	0.5
EX21D	5/5/2003	Ammonia, Total	mg/l	7.9	0.05
EX21D	7/17/2003	Ammonia, Total	mg/l	8.4	0.05
EX21D	10/16/2003	Ammonia, Total	mg/l	8.4	0.05
EX21D	3/27/2003	Antimony, Total	ug/l	ND	3
EX21D	5/5/2003	Antimony, Total	ug/l	ND	3
EX21D	7/17/2003	Antimony, Total	ug/l	ND	3
EX21D	10/16/2003	Antimony, Total	ug/l	ND	3
EX21D	3/27/2003	Aroclor 1016	ug/l	ND	0.5
EX21D	5/5/2003	Aroclor 1016	ug/l	ND	0.5
EX21D	7/17/2003	Aroclor 1016	ug/l	ND	0.5
EX21D	10/16/2003	Aroclor 1016	ug/l	ND	0.5
EX21D	3/27/2003	Aroclor 1221	ug/l	ND	0.5

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX21D	5/5/2003	Aroclor 1221	ug/l	ND	0.5
EX21D	7/17/2003	Aroclor 1221	ug/l	ND	0.5
EX21D	10/16/2003	Aroclor 1221	ug/l	ND	0.5
EX21D	3/27/2003	Aroclor 1232	ug/l	ND	0.5
EX21D	5/5/2003	Aroclor 1232	ug/l	ND	0.5
EX21D	7/17/2003	Aroclor 1232	ug/l	ND	0.5
EX21D	10/16/2003	Aroclor 1232	ug/l	ND	0.5
EX21D	3/27/2003	Aroclor 1242	ug/l	ND	0.5
EX21D	5/5/2003	Aroclor 1242	ug/l	ND	0.5
EX21D	7/17/2003	Aroclor 1242	ug/l	ND	0.5
EX21D	10/16/2003	Aroclor 1242	ug/l	ND	0.5
EX21D	3/27/2003	Aroclor 1248	ug/l	ND	0.5
EX21D	5/5/2003	Aroclor 1248	ug/l	ND	0.5
EX21D	7/17/2003	Aroclor 1248	ug/l	ND	0.5
EX21D	10/16/2003	Aroclor 1248	ug/l	ND	0.5
EX21D	3/27/2003	Aroclor 1254	ug/l	ND	0.5
EX21D	5/5/2003	Aroclor 1254	ug/l	ND	0.5
EX21D	7/17/2003	Aroclor 1254	ug/l	ND	0.5
EX21D	10/16/2003	Aroclor 1254	ug/l	ND	0.5
EX21D	3/27/2003	Aroclor 1260	ug/l	ND	0.5
EX21D	5/5/2003	Aroclor 1260	ug/l	ND	0.5
EX21D	7/17/2003	Aroclor 1260	ug/l	ND	0.5
EX21D	10/16/2003	Aroclor 1260	ug/l	ND	0.5
EX21D	3/27/2003	Arsenic, Total	ug/l	66	1
EX21D	5/5/2003	Arsenic, Total	ug/l	84	1
EX21D	7/17/2003	Arsenic, Total	ug/l	64	1
EX21D	10/16/2003	Arsenic, Total	ug/l	79	1
EX21D	3/27/2003	Arsenic, Dissolved	ug/l	48	1
EX21D	5/5/2003	Arsenic, Dissolved	ug/l	54	1
EX21D	7/17/2003	Arsenic, Dissolved	ug/l	51	1
EX21D	10/16/2003	Arsenic, Dissolved	ug/l	54	1
EX21D	3/27/2003	Atrazine	ug/l	ND	0.2
EX21D	5/5/2003	Atrazine	ug/l	ND	0.2
EX21D	7/17/2003	Atrazine	ug/l	ND	0.2
EX21D	10/16/2003	Atrazine	ug/l	ND	0.2
EX21D	3/27/2003	Barium, Total	ug/l	360	1
EX21D	5/5/2003	Barium, Total	ug/l	520	1
EX21D	7/17/2003	Barium, Total	ug/l	370	1
EX21D	10/16/2003	Barium, Total	ug/l	370	1
EX21D	3/27/2003	Benzene	ug/l	ND	1
EX21D	5/5/2003	Benzene	ug/l	ND	1
EX21D	7/17/2003	Benzene	ug/l	ND	1
EX21D	10/16/2003	Benzene	ug/l	ND	1
EX21D	3/27/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX21D	5/5/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX21D	7/17/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX21D	10/16/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX21D	3/27/2003	Beryllium, Total	ug/l	1.8	1
EX21D	5/5/2003	Beryllium, Total	ug/l	5	1
EX21D	7/17/2003	Beryllium, Total	ug/l	1.6	1
EX21D	10/16/2003	Beryllium, Total	ug/l	2	1
EX21D	3/27/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX21D	5/5/2003	Bis(2-ethylhexyl)phthalate	ug/l	7.4	6
EX21D	7/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX21D	10/16/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX21D	3/27/2003	Biological Oxygen Demand (BOD)	mg/l	17	3
EX21D	5/5/2003	Biological Oxygen Demand (BOD)	mg/l	12	3
EX21D	7/17/2003	Biological Oxygen Demand (BOD)	mg/l	ND	3
EX21D	10/16/2003	Biological Oxygen Demand (BOD)	mg/l	26	3

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX21D	3/27/2003	Boron, Dissolved	ug/l	270	10
EX21D	5/5/2003	Boron, Dissolved	ug/l	300	10
EX21D	7/17/2003	Boron, Dissolved	ug/l	350	10
EX21D	10/16/2003	Boron, Dissolved	ug/l	340	10
EX21D	3/27/2003	Boron, Total	ug/l	300	10
EX21D	5/5/2003	Boron, Total	ug/l	420	10
EX21D	7/17/2003	Boron, Total	ug/l	490	10
EX21D	10/16/2003	Boron, Total	ug/l	350	10
EX21D	3/27/2003	Bromobenzene	ug/l	ND	1
EX21D	5/5/2003	Bromobenzene	ug/l	ND	1
EX21D	7/17/2003	Bromobenzene	ug/l	ND	1
EX21D	10/16/2003	Bromobenzene	ug/l	ND	1
EX21D	3/27/2003	Bromochloromethane	ug/l	ND	1
EX21D	5/5/2003	Bromochloromethane	ug/l	ND	1
EX21D	7/17/2003	Bromochloromethane	ug/l	ND	1
EX21D	10/16/2003	Bromochloromethane	ug/l	ND	1
EX21D	3/27/2003	Bromodichloromethane	ug/l	ND	1
EX21D	5/5/2003	Bromodichloromethane	ug/l	ND	1
EX21D	7/17/2003	Bromodichloromethane	ug/l	ND	1
EX21D	10/16/2003	Bromodichloromethane	ug/l	ND	1
EX21D	3/27/2003	Bromoform	ug/l	ND	1
EX21D	5/5/2003	Bromoform	ug/l	ND	1
EX21D	7/17/2003	Bromoform	ug/l	ND	1
EX21D	10/16/2003	Bromoform	ug/l	ND	2
EX21D	3/27/2003	Bromomethane	ug/l	ND	2
EX21D	5/5/2003	Bromomethane	ug/l	ND	2
EX21D	7/17/2003	Bromomethane	ug/l	ND	2
EX21D	10/16/2003	Bromomethane	ug/l	ND	1
EX21D	3/27/2003	Cadmium, Dissolved	ug/l	ND	1
EX21D	5/5/2003	Cadmium, Dissolved	ug/l	ND	1
EX21D	7/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX21D	10/16/2003	Cadmium, Dissolved	ug/l	ND	1
EX21D	3/27/2003	Cadmium, Total	ug/l	ND	1
EX21D	5/5/2003	Cadmium, Total	ug/l	ND	1
EX21D	7/17/2003	Cadmium, Total	ug/l	ND	1
EX21D	10/16/2003	Cadmium, Total	ug/l	ND	1
EX21D	3/27/2003	Calcium, Total	mg/l	230	0.1
EX21D	5/5/2003	Calcium, Total	mg/l	360	0.1
EX21D	7/17/2003	Calcium, Total	mg/l	300	0.1
EX21D	10/16/2003	Calcium, Total	mg/l	270	0.1
EX21D	3/27/2003	Carbofuran	ug/l	ND	1.5
EX21D	5/5/2003	Carbofuran	ug/l	ND	1.5
EX21D	7/17/2003	Carbofuran	ug/l	ND	1.5
EX21D	10/16/2003	Carbofuran	ug/l	ND	1.5
EX21D	3/27/2003	Carbon Disulfide	ug/l	ND	1
EX21D	5/5/2003	Carbon Disulfide	ug/l	ND	1
EX21D	7/17/2003	Carbon Disulfide	ug/l	ND	1
EX21D	10/16/2003	Carbon Disulfide	ug/l	2	1
EX21D	3/27/2003	Carbon Tetrachloride	ug/l	ND	1
EX21D	5/5/2003	Carbon Tetrachloride	ug/l	ND	1
EX21D	7/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX21D	10/16/2003	Carbon Tetrachloride	ug/l	ND	1
EX21D	3/27/2003	Chlordane (Tech)	ug/l	ND	0.5
EX21D	5/5/2003	Chlordane (Tech)	ug/l	ND	0.5
EX21D	7/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX21D	10/16/2003	Chlordane (Tech)	ug/l	ND	0.5
EX21D	3/27/2003	Chloride, Dissolved	mg/l	3.6	1
EX21D	5/5/2003	Chloride, Dissolved	mg/l	2.8	1
EX21D	7/17/2003	Chloride, Dissolved	mg/l	3.2	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX21D	10/16/2003	Chloride, Dissolved	mg/l	4.2	0.5
EX21D	3/27/2003	Chloride, Total	mg/l	3.7	1
EX21D	5/5/2003	Chloride, Total	mg/l	3.7	1
EX21D	7/17/2003	Chloride, Total	mg/l	3.6	1
EX21D	10/16/2003	Chloride, Total	mg/l	2.8	0.5
EX21D	3/27/2003	Chlorobenzene	ug/l	ND	1
EX21D	5/5/2003	Chlorobenzene	ug/l	ND	1
EX21D	7/17/2003	Chlorobenzene	ug/l	ND	1
EX21D	10/16/2003	Chlorobenzene	ug/l	ND	1
EX21D	3/27/2003	Chloroethane	ug/l	ND	2
EX21D	5/5/2003	Chloroethane	ug/l	ND	2
EX21D	7/17/2003	Chloroethane	ug/l	ND	2
EX21D	10/16/2003	Chloroethane	ug/l	ND	2
EX21D	3/27/2003	Chloroform	ug/l	1	1
EX21D	5/5/2003	Chloroform	ug/l	ND	1
EX21D	7/17/2003	Chloroform	ug/l	ND	1
EX21D	10/16/2003	Chloroform	ug/l	ND	1
EX21D	3/27/2003	Chloromethane	ug/l	ND	2
EX21D	5/5/2003	Chloromethane	ug/l	ND	2
EX21D	7/17/2003	Chloromethane	ug/l	ND	2
EX21D	10/16/2003	Chloromethane	ug/l	ND	2
EX21D	3/27/2003	Chromium, Total	ug/l	52	4
EX21D	5/5/2003	Chromium, Total	ug/l	170	4
EX21D	7/17/2003	Chromium, Total	ug/l	37	4
EX21D	10/16/2003	Chromium, Total	ug/l	67	4
EX21D	3/27/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX21D	5/5/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX21D	7/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX21D	10/16/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX21D	3/27/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX21D	5/5/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX21D	7/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX21D	10/16/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX21D	3/27/2003	Cobalt, Total	ug/l	23	2
EX21D	5/5/2003	Cobalt, Total	ug/l	58	2
EX21D	7/17/2003	Cobalt, Total	ug/l	20	2
EX21D	10/16/2003	Cobalt, Total	ug/l	30	2
EX21D	3/27/2003	Chemical Oxygen Demand (COD)	mg/l	19	6
EX21D	5/5/2003	Chemical Oxygen Demand (COD)	mg/l	ND	6
EX21D	7/17/2003	Chemical Oxygen Demand (COD)	mg/l	23	6
EX21D	10/16/2003	Chemical Oxygen Demand (COD)	mg/l	14	6
EX21D	3/27/2003	Copper, Total	ug/l	40	3
EX21D	5/5/2003	Copper, Total	ug/l	120	3
EX21D	7/17/2003	Copper, Total	ug/l	48	3
EX21D	10/16/2003	Copper, Total	ug/l	38	3
EX21D	3/27/2003	Cyanide, Total	mg/l	ND	0.005
EX21D	5/5/2003	Cyanide, Total	mg/l	ND	0.005
EX21D	7/17/2003	Cyanide, Total	mg/l	ND	0.005
EX21D	10/16/2003	Cyanide, Total	mg/l	ND	0.005
EX21D	3/27/2003	Dalapon	ug/l	ND	1.5
EX21D	5/5/2003	Dalapon	ug/l	ND	1.5
EX21D	7/17/2003	Dalapon	ug/l	ND	1.5
EX21D	10/16/2003	Dalapon	ug/l	ND	1.5
EX21D	3/27/2003	Dibromochloromethane	ug/l	ND	1
EX21D	5/5/2003	Dibromochloromethane	ug/l	ND	1
EX21D	7/17/2003	Dibromochloromethane	ug/l	ND	1
EX21D	10/16/2003	Dibromochloromethane	ug/l	ND	1
EX21D	3/27/2003	Dibromomethane	ug/l	ND	1
EX21D	5/5/2003	Dibromomethane	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX21D	7/17/2003	Dibromomethane	ug/l	ND	1
EX21D	10/16/2003	Dibromomethane	ug/l	ND	1
EX21D	3/27/2003	Dichlorodifluoromethane	ug/l	ND	2
EX21D	5/5/2003	Dichlorodifluoromethane	ug/l	ND	2
EX21D	7/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX21D	10/16/2003	Dichlorodifluoromethane	ug/l	ND	2
EX21D	3/27/2003	Dieldrin	ug/l	ND	0.1
EX21D	5/5/2003	Dieldrin	ug/l	ND	0.1
EX21D	7/17/2003	Dieldrin	ug/l	ND	0.1
EX21D	10/16/2003	Dieldrin	ug/l	ND	0.1
EX21D	3/27/2003	Diethyl phthalate	ug/l	ND	10
EX21D	5/5/2003	Diethyl phthalate	ug/l	ND	10
EX21D	7/17/2003	Diethyl phthalate	ug/l	ND	10
EX21D	10/16/2003	Diethyl phthalate	ug/l	ND	10
EX21D	3/27/2003	Dimethyl phthalate	ug/l	ND	10
EX21D	5/5/2003	Dimethyl phthalate	ug/l	ND	10
EX21D	7/17/2003	Dimethyl phthalate	ug/l	ND	10
EX21D	10/16/2003	Dimethyl phthalate	ug/l	ND	10
EX21D	3/27/2003	Di-n-butyl phthalate	ug/l	ND	10
EX21D	5/5/2003	Di-n-butyl phthalate	ug/l	ND	10
EX21D	7/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX21D	10/16/2003	Di-n-butyl phthalate	ug/l	ND	10
EX21D	3/27/2003	Dinoseb	ug/l	ND	0.2
EX21D	5/5/2003	Dinoseb	ug/l	ND	0.2
EX21D	7/17/2003	Dinoseb	ug/l	ND	0.2
EX21D	10/16/2003	Dinoseb	ug/l	ND	0.2
EX21D	3/27/2003	Endothal	ug/l	ND	40
EX21D	5/5/2003	Endothal	ug/l	ND	40
EX21D	7/17/2003	Endothal	ug/l	ND	40
EX21D	10/16/2003	Endothal	ug/l	ND	40
EX21D	3/27/2003	Endrin	ug/l	ND	0.1
EX21D	5/5/2003	Endrin	ug/l	ND	0.1
EX21D	7/17/2003	Endrin	ug/l	ND	0.1
EX21D	10/16/2003	Endrin	ug/l	ND	0.1
EX21D	3/27/2003	Ethylbenzene	ug/l	ND	1
EX21D	5/5/2003	Ethylbenzene	ug/l	ND	1
EX21D	7/17/2003	Ethylbenzene	ug/l	ND	1
EX21D	10/16/2003	Ethylbenzene	ug/l	ND	1
EX21D	3/27/2003	Ethylene dibromide	ug/l	ND	0.05
EX21D	5/5/2003	Ethylene dibromide	ug/l	ND	0.05
EX21D	7/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX21D	10/16/2003	Ethylene dibromide	ug/l	ND	0.05
EX21D	3/27/2003	Fluoride, Total	mg/l	0.47	0.25
EX21D	5/5/2003	Fluoride, Total	mg/l	0.49	0.25
EX21D	7/17/2003	Fluoride, Total	mg/l	0.43	0.25
EX21D	10/16/2003	Fluoride, Total	mg/l	0.516	0.25
EX21D	3/27/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX21D	5/5/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX21D	7/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX21D	10/16/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX21D	3/27/2003	Heptachlor	ug/l	ND	0.05
EX21D	5/5/2003	Heptachlor	ug/l	ND	0.05
EX21D	7/17/2003	Heptachlor	ug/l	ND	0.05
EX21D	10/16/2003	Heptachlor	ug/l	ND	0.05
EX21D	3/27/2003	Heptachlor epoxide	ug/l	ND	0.05
EX21D	5/5/2003	Heptachlor epoxide	ug/l	ND	0.05
EX21D	7/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX21D	10/16/2003	Heptachlor epoxide	ug/l	ND	0.05
EX21D	3/27/2003	Hexachlorobutadiene	ug/l	ND	10

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX21D	5/5/2003	Hexachlorobutadiene	ug/l	ND	10
EX21D	7/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX21D	10/16/2003	Hexachlorobutadiene	ug/l	ND	10
EX21D	3/27/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX21D	5/5/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX21D	7/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX21D	10/16/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX21D	3/27/2003	Iodomethane	ug/l	ND	1
EX21D	5/5/2003	Iodomethane	ug/l	ND	1
EX21D	7/17/2003	Iodomethane	ug/l	ND	1
EX21D	10/16/2003	Iodomethane	ug/l	ND	1
EX21D	3/27/2003	Iron, Dissolved	ug/l	5000	10
EX21D	5/5/2003	Iron, Dissolved	ug/l	39	10
EX21D	7/17/2003	Iron, Dissolved	ug/l	6600	10
EX21D	10/16/2003	Iron, Dissolved	ug/l	6800	10
EX21D	3/27/2003	Iron, Total	ug/l	110000	10
EX21D	5/5/2003	Iron, Total	ug/l	220000	10
EX21D	7/17/2003	Iron, Total	ug/l	140000	10
EX21D	10/16/2003	Iron, Total	ug/l	120000	1110
EX21D	3/27/2003	Isophorone	ug/l	ND	10
EX21D	5/5/2003	Isophorone	ug/l	ND	10
EX21D	7/17/2003	Isophorone	ug/l	ND	10
EX21D	10/16/2003	Isophorone	ug/l	ND	10
EX21D	3/27/2003	Isopropylbenzene	ug/l	ND	1
EX21D	5/5/2003	Isopropylbenzene	ug/l	ND	1
EX21D	7/17/2003	Isopropylbenzene	ug/l	ND	1
EX21D	10/16/2003	Isopropylbenzene	ug/l	ND	1
EX21D	3/27/2003	Lead, Total	ug/l	42	2
EX21D	5/5/2003	Lead, Total	ug/l	81	1
EX21D	7/17/2003	Lead, Total	ug/l	51	1
EX21D	10/16/2003	Lead, Total	ug/l	43	1
EX21D	3/27/2003	Lead, Dissolved	ug/l	ND	1
EX21D	5/5/2003	Lead, Dissolved	ug/l	ND	1
EX21D	7/17/2003	Lead, Dissolved	ug/l	ND	1
EX21D	10/16/2003	Lead, Dissolved	ug/l	ND	1
EX21D	3/27/2003	Magnesium, Total	mg/l	94	0.1
EX21D	5/5/2003	Magnesium, Total	mg/l	180	0.1
EX21D	7/17/2003	Magnesium, Total	mg/l	130	0.1
EX21D	10/16/2003	Magnesium, Total	mg/l	120	0.1
EX21D	3/27/2003	Manganese, Dissolved	ug/l	93	1
EX21D	5/5/2003	Manganese, Dissolved	ug/l	88	1
EX21D	7/17/2003	Manganese, Dissolved	ug/l	63	1
EX21D	10/16/2003	Manganese, Dissolved	ug/l	78	1
EX21D	3/27/2003	Manganese, Total	ug/l	1700	1
EX21D	5/5/2003	Manganese, Total	ug/l	3500	1
EX21D	7/17/2003	Manganese, Total	ug/l	2200	1
EX21D	10/16/2003	Manganese, Total	ug/l	2300	1
EX21D	3/27/2003	Mercury, Dissolved	ug/l	ND	0.2
EX21D	5/5/2003	Mercury, Dissolved	ug/l	ND	0.2
EX21D	7/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX21D	10/16/2003	Mercury, Dissolved	ug/l	ND	0.2
EX21D	3/27/2003	Mercury, Total	ug/l	ND	0.2
EX21D	5/5/2003	Mercury, Total	ug/l	ND	0.2
EX21D	7/17/2003	Mercury, Total	ug/l	ND	0.2
EX21D	10/16/2003	Mercury, Total	ug/l	ND	0.2
EX21D	3/27/2003	Methoxychlor	ug/l	ND	0.5
EX21D	5/5/2003	Methoxychlor	ug/l	ND	0.5
EX21D	7/17/2003	Methoxychlor	ug/l	ND	0.5
EX21D	10/16/2003	Methoxychlor	ug/l	ND	0.5

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX21D	3/27/2003	Methylene Chloride	ug/l	ND	5
EX21D	5/5/2003	Methylene Chloride	ug/l	ND	5
EX21D	7/17/2003	Methylene Chloride	ug/l	ND	5
EX21D	10/16/2003	Methylene Chloride	ug/l	ND	5
EX21D	3/27/2003	Naphthalene	ug/l	ND	10
EX21D	5/5/2003	Naphthalene	ug/l	ND	10
EX21D	7/17/2003	Naphthalene	ug/l	ND	10
EX21D	10/16/2003	Naphthalene	ug/l	ND	10
EX21D	3/27/2003	n-Butylbenzene	ug/l	ND	1
EX21D	5/5/2003	n-Butylbenzene	ug/l	ND	1
EX21D	7/17/2003	n-Butylbenzene	ug/l	ND	1
EX21D	10/16/2003	n-Butylbenzene	ug/l	ND	1
EX21D	3/27/2003	Nickel, Total	ug/l	80	5
EX21D	5/5/2003	Nickel, Total	ug/l	240	5
EX21D	7/17/2003	Nickel, Total	ug/l	60	5
EX21D	10/16/2003	Nickel, Total	ug/l	82	5
EX21D	3/27/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX21D	5/5/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX21D	7/17/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX21D	10/16/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX21D	3/27/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX21D	5/5/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX21D	7/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX21D	10/16/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX21D	3/27/2003	n-Propylbenzene	ug/l	ND	1
EX21D	5/5/2003	n-Propylbenzene	ug/l	ND	1
EX21D	7/17/2003	n-Propylbenzene	ug/l	ND	1
EX21D	10/16/2003	n-Propylbenzene	ug/l	ND	1
EX21D	3/27/2003	Oil and Grease, Total	mg/l	ND	5
EX21D	5/5/2003	Oil and Grease, Total	mg/l	ND	5
EX21D	7/17/2003	Oil and Grease, Total	mg/l	ND	5
EX21D	10/16/2003	Oil and Grease, Total	mg/l	ND	5
EX21D	3/27/2003	o-Xylene	ug/l	ND	1
EX21D	5/5/2003	o-Xylene	ug/l	ND	1
EX21D	7/17/2003	o-Xylene	ug/l	ND	1
EX21D	10/16/2003	o-Xylene	ug/l	ND	1
EX21D	3/27/2003	Parathion	ug/l	ND	0.2
EX21D	5/5/2003	Parathion	ug/l	ND	0.2
EX21D	7/17/2003	Parathion	ug/l	ND	0.2
EX21D	10/16/2003	Parathion	ug/l	ND	0.2
EX21D	3/27/2003	Pentachlorophenol	ug/l	ND	0.05
EX21D	5/5/2003	Pentachlorophenol	ug/l	ND	0.05
EX21D	7/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX21D	10/16/2003	Pentachlorophenol	ug/l	ND	0.05
EX21D	10/16/2003	pH, Field Aqueous	s.u.	6.57	
EX21D	3/27/2003	pH, Field Aqueous	s.u.	7.09	
EX21D	5/ 5/2003	pH, Field Aqueous	s.u.	6.7	
EX21D	7/17/2003	pH, Field Aqueous	s.u.	7.08	
EX21D	3/27/2003	Phenols, Total	mg/l	ND	0.005
EX21D	5/5/2003	Phenols, Total	mg/l	ND	0.005
EX21D	7/17/2003	Phenols, Total	mg/l	ND	0.005
EX21D	10/16/2003	Phenols, Total	mg/l	ND	0.005
EX21D	3/27/2003	Picloram	ug/l	ND	0.2
EX21D	5/5/2003	Picloram	ug/l	ND	0.2
EX21D	7/17/2003	Picloram	ug/l	ND	0.2
EX21D	10/16/2003	Picloram	ug/l	ND	0.2
EX21D	3/27/2003	p-Isopropyltoluene	ug/l	ND	1
EX21D	5/5/2003	p-Isopropyltoluene	ug/l	ND	1
EX21D	7/17/2003	p-Isopropyltoluene	ug/l	ND	1

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX21D	10/16/2003	p-Isopropyltoluene	ug/l	ND	1
EX21D	3/27/2003	Potassium, Total	mg/l	14	0.1
EX21D	5/5/2003	Potassium, Total	mg/l	38	0.1
EX21D	7/17/2003	Potassium, Total	mg/l	13	0.1
EX21D	10/16/2003	Potassium, Total	mg/l	17	0.1
EX21D	3/27/2003	p-Xylene	ug/l	ND	1
EX21D	5/5/2003	p-Xylene	ug/l	ND	1
EX21D	7/17/2003	p-Xylene	ug/l	ND	1
EX21D	10/16/2003	p-Xylene	ug/l	ND	1
EX21D	3/27/2003	sec-Butylbenzene	ug/l	ND	1
EX21D	5/5/2003	sec-Butylbenzene	ug/l	ND	1
EX21D	7/17/2003	sec-Butylbenzene	ug/l	ND	1
EX21D	10/16/2003	sec-Butylbenzene	ug/l	ND	1
EX21D	3/27/2003	Selenium, Total	ug/l	1	1
EX21D	5/5/2003	Selenium, Total	ug/l	1.9	1
EX21D	7/17/2003	Selenium, Total	ug/l	1	1
EX21D	10/16/2003	Selenium, Total	ug/l	1.9	1
EX21D	3/27/2003	Silver, Total	ug/l	ND	5
EX21D	5/5/2003	Silver, Total	ug/l	ND	5
EX21D	7/17/2003	Silver, Total	ug/l	ND	5
EX21D	10/16/2003	Silver, Total	ug/l	ND	5
EX21D	3/27/2003	Silvex	ug/l	ND	0.05
EX21D	5/5/2003	Silvex	ug/l	ND	0.05
EX21D	7/17/2003	Silvex	ug/l	ND	0.05
EX21D	10/16/2003	Silvex	ug/l	ND	0.05
EX21D	3/27/2003	Simazine	ug/l	ND	0.2
EX21D	5/5/2003	Simazine	ug/l	ND	0.2
EX21D	7/17/2003	Simazine	ug/l	ND	0.2
EX21D	10/16/2003	Simazine	ug/l	ND	0.2
EX21D	3/27/2003	Sodium, Total	mg/l	22	0.1
EX21D	5/5/2003	Sodium, Total	mg/l	30	0.1
EX21D	7/17/2003	Sodium, Total	mg/l	25	0.1
EX21D	10/16/2003	Sodium, Total	mg/l	28	0.1
EX21D	10/16/2003	Specific Conductance, Field	umhos/cm	760	
EX21D	3/27/2003	Specific Conductance, Field	umhos/cm	514	
EX21D	5/ 5/2003	Specific Conductance, Field	umhos/cm	720	
EX21D	7/17/2003	Specific Conductance, Field		784	
EX21D	3/27/2003	Styrene	ug/l	ND	1
EX21D	5/5/2003	Styrene	ug/l	ND	1
EX21D	7/17/2003	Styrene	ug/l	ND	1
EX21D	10/16/2003	Styrene	ug/l	ND	1
EX21D	3/27/2003	Sulfate, Dissolved	mg/l	1.2	1
EX21D	5/5/2003	Sulfate, Dissolved	mg/l	1.4	1
EX21D	7/17/2003	Sulfate, Dissolved	mg/l	3	1
EX21D	10/16/2003	Sulfate, Dissolved	mg/l	9.7	1
EX21D	3/27/2003	Sulfate, Total	mg/l	2.8	1
EX21D	5/5/2003	Sulfate, Total	mg/l	2.7	1
EX21D	7/17/2003	Sulfate, Total	mg/l	4.4	1
EX21D	10/16/2003	Sulfate, Total	mg/l	3.4	1
EX21D	3/27/2003	tert-Butylbenzene	ug/l	ND	1
EX21D	5/5/2003	tert-Butylbenzene	ug/l	ND	1
EX21D	7/17/2003	tert-Butylbenzene	ug/l	ND	1
EX21D	10/16/2003	tert-Butylbenzene	ug/l	ND	1
EX21D	3/27/2003	Tetrachloroethene	ug/l	ND	1
EX21D	5/5/2003	Tetrachloroethene	ug/l	ND	1
EX21D	7/17/2003	Tetrachloroethene	ug/l	ND	1
EX21D	10/16/2003	Tetrachloroethene	ug/l	ND	1
EX21D	3/27/2003	Tetrahydrofuran	ug/l	ND	20
EX21D	5/5/2003	Tetrahydrofuran	ug/l	ND	20

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX21D	7/17/2003	Tetrahydrofuran	ug/l	ND	20
EX21D	10/16/2003	Tetrahydrofuran	ug/l	ND	20
EX21D	3/27/2003	Thallium, Total	ug/l	ND	1
EX21D	5/5/2003	Thallium, Total	ug/l	ND	1
EX21D	7/17/2003	Thallium, Total	ug/l	ND	1
EX21D	10/16/2003	Thallium, Total	ug/l	ND	1
EX21D	3/27/2003	Total Organic Carbon (TOC)	mg/l	8.9	0.5
EX21D	5/5/2003	Total Organic Carbon (TOC)	mg/l	6.8	0.5
EX21D	7/17/2003	Total Organic Carbon (TOC)	mg/l	7.9	0.5
EX21D	10/16/2003	Total Organic Carbon (TOC)	mg/l	6.7	0.5
EX21D	3/27/2003	Toluene	ug/l	ND	1
EX21D	5/5/2003	Toluene	ug/l	ND	1
EX21D	7/17/2003	Toluene	ug/l	ND	1
EX21D	10/16/2003	Toluene	ug/l	ND	1
EX21D	3/27/2003	Total Dissolved Solids	mg/l	520	17
EX21D	5/5/2003	Total Dissolved Solids	mg/l	550	17
EX21D	7/17/2003	Total Dissolved Solids	mg/l	550	17
EX21D	10/16/2003	Total Dissolved Solids	mg/l	490	51
EX21D	3/27/2003	Toxaphene	ug/l	ND	1.5
EX21D	5/5/2003	Toxaphene	ug/l	ND	1.5
EX21D	7/17/2003	Toxaphene	ug/l	ND	1.5
EX21D	10/16/2003	Toxaphene	ug/l	ND	1.5
EX21D	3/27/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX21D	5/5/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX21D	7/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX21D	10/16/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX21D	3/27/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX21D	5/5/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX21D	7/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX21D	10/16/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX21D	3/27/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX21D	5/5/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX21D	7/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX21D	10/16/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX21D	3/27/2003	Trichloroethene	ug/l	ND	1
EX21D	5/5/2003	Trichloroethene	ug/l	ND	1
EX21D	7/17/2003	Trichloroethene	ug/l	ND	1
EX21D	10/16/2003	Trichloroethene	ug/l	ND	1
EX21D	3/27/2003	Trichlorofluoromethane	ug/l	ND	1
EX21D	5/5/2003	Trichlorofluoromethane	ug/l	ND	1
EX21D	7/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX21D	10/16/2003	Trichlorofluoromethane	ug/l	ND	1
EX21D	3/27/2003	Vanadium, Total	ug/l	71	5
EX21D	5/5/2003	Vanadium, Total	ug/l	200	5
EX21D	7/17/2003	Vanadium, Total	ug/l	71	5
EX21D	10/16/2003	Vanadium, Total	ug/l	100	5
EX21D	3/27/2003	Vinyl Acetate	ug/l	ND	5
EX21D	5/5/2003	Vinyl Acetate	ug/l	ND	5
EX21D	7/17/2003	Vinyl Acetate	ug/l	ND	5
EX21D	10/16/2003	Vinyl Acetate	ug/l	ND	5
EX21D	3/27/2003	Vinyl Chloride	ug/l	ND	2
EX21D	5/5/2003	Vinyl Chloride	ug/l	ND	2
EX21D	7/17/2003	Vinyl Chloride	ug/l	ND	2
EX21D	10/16/2003	Vinyl Chloride	ug/l	ND	2
EX21D	3/27/2003	Xylenes, Total	ug/l	ND	3
EX21D	5/5/2003	Xylenes, Total	ug/l	ND	3
EX21D	7/17/2003	Xylenes, Total	ug/l	ND	3
EX21D	10/16/2003	Xylenes, Total	ug/l	ND	3
EX21D	3/27/2003	Zinc, Total	ug/l	140	6

TABLE 812.317-6
BACKGROUND GROUNDWATER QUALITY DATA - LOWER RADNOR TILL SAND
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX21D	5/5/2003	Zinc, Total	ug/l	300	6
EX21D	7/17/2003	Zinc, Total	ug/l	160	6
EX21D	10/16/2003	Zinc, Total	ug/l	140	6
EX21D	3/27/2003	Zinc, Dissolved	ug/l	ND	6
EX21D	5/5/2003	Zinc, Dissolved	ug/l	6.3	6
EX21D	7/17/2003	Zinc, Dissolved	ug/l	ND	6
EX21D	10/16/2003	Zinc, Dissolved	ug/l	6.4	6

Notes:
1. ND = Not-Detected at the specified MDL.
2. ug/l = micrograms per liter = parts per billion (ppb.)
3. mg/l = milligrams per liter = parts per million (ppm.)
4. s.u. = standard units
5. umhos/cm = micromhos per centimeter
6. Total = unfiltered sample
7. Dissolved = filtered sample

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX14	3/27/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX14	5/5/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX14	7/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX14	10/16/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX14	3/27/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX14	5/5/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX14	7/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX14	10/16/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX14	3/27/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX14	5/5/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX14	7/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX14	10/16/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX14	3/27/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX14	5/5/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX14	7/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX14	10/16/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX14	3/27/2003	1,1-Dichloroethane	ug/l	ND	1
EX14	5/5/2003	1,1-Dichloroethane	ug/l	ND	1
EX14	7/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX14	10/16/2003	1,1-Dichloroethane	ug/l	ND	1
EX14	3/27/2003	1,1-Dichloroethene	ug/l	ND	1
EX14	5/5/2003	1,1-Dichloroethene	ug/l	ND	1
EX14	7/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX14	10/16/2003	1,1-Dichloroethene	ug/l	ND	1
EX14	3/27/2003	1,1-Dichloropropene	ug/l	ND	1
EX14	5/5/2003	1,1-Dichloropropene	ug/l	ND	1
EX14	7/17/2003	1,1-Dichloropropene	ug/l	ND	1
EX14	10/16/2003	1,1-Dichloropropene	ug/l	ND	1
EX14	3/27/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX14	5/5/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX14	7/17/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX14	10/16/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX14	3/27/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX14	5/5/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX14	7/17/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX14	10/16/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX14	3/27/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX14	5/5/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX14	7/17/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX14	10/16/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX14	3/27/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX14	5/5/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX14	7/17/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX14	10/16/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX14	3/27/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX14	5/5/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX14	7/17/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX14	10/16/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX14	3/27/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX14	5/5/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX14	7/17/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX14	10/16/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX14	3/27/2003	1,2-Dichloroethane	ug/l	ND	1
EX14	5/5/2003	1,2-Dichloroethane	ug/l	ND	1
EX14	7/17/2003	1,2-Dichloroethane	ug/l	ND	1
EX14	10/16/2003	1,2-Dichloroethane	ug/l	ND	1
EX14	3/27/2003	1,2-Dichloropropane	ug/l	ND	1
EX14	5/5/2003	1,2-Dichloropropane	ug/l	ND	1
EX14	7/17/2003	1,2-Dichloropropane	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX14	10/16/2003	1,2-Dichloropropane	ug/l	ND	1
EX14	3/27/2003	1,3 Dichloropropane	ug/l	ND	1
EX14	5/5/2003	1,3 Dichloropropane	ug/l	ND	1
EX14	7/17/2003	1,3 Dichloropropane	ug/l	ND	1
EX14	10/16/2003	1,3 Dichloropropane	ug/l	ND	1
EX14	3/27/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX14	5/5/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX14	7/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX14	10/16/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX14	3/27/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX14	5/5/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX14	7/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX14	10/16/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX14	3/27/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX14	5/5/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX14	7/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX14	10/16/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX14	3/27/2003	2,2-Dichloropropane	ug/l	ND	1
EX14	5/5/2003	2,2-Dichloropropane	ug/l	ND	1
EX14	7/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX14	10/16/2003	2,2-Dichloropropane	ug/l	ND	1
EX14	3/27/2003	2,4-D	ug/l	ND	0.1
EX14	5/5/2003	2,4-D	ug/l	ND	0.1
EX14	7/17/2003	2,4-D	ug/l	ND	0.1
EX14	10/16/2003	2,4-D	ug/l	ND	0.1
EX14	3/27/2003	2-Butanone (MEK)	ug/l	ND	5
EX14	5/5/2003	2-Butanone (MEK)	ug/l	ND	5
EX14	7/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX14	10/16/2003	2-Butanone (MEK)	ug/l	ND	5
EX14	3/27/2003	2-Chlorotoluene	ug/l	ND	1
EX14	5/5/2003	2-Chlorotoluene	ug/l	ND	1
EX14	7/17/2003	2-Chlorotoluene	ug/l	ND	1
EX14	10/16/2003	2-Chlorotoluene	ug/l	ND	1
EX14	3/27/2003	2-Hexanone (MBK)	ug/l	ND	5
EX14	5/5/2003	2-Hexanone (MBK)	ug/l	ND	5
EX14	7/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX14	10/16/2003	2-Hexanone (MBK)	ug/l	ND	5
EX14	3/27/2003	4,4'-DDT	ug/l	ND	0.1
EX14	5/5/2003	4,4'-DDT	ug/l	ND	0.1
EX14	7/17/2003	4,4'-DDT	ug/l	ND	0.1
EX14	10/16/2003	4,4'-DDT	ug/l	ND	0.1
EX14	3/27/2003	4-Chlorotoluene	ug/l	ND	1
EX14	5/5/2003	4-Chlorotoluene	ug/l	ND	1
EX14	7/17/2003	4-Chlorotoluene	ug/l	ND	1
EX14	10/16/2003	4-Chlorotoluene	ug/l	ND	1
EX14	3/27/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX14	5/5/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX14	7/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX14	10/16/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX14	3/27/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX14	5/5/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX14	7/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX14	10/16/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX14	3/27/2003	Acetone	ug/l	ND	10
EX14	5/5/2003	Acetone	ug/l	ND	10
EX14	7/17/2003	Acetone	ug/l	ND	10
EX14	10/16/2003	Acetone	ug/l	ND	10
EX14	3/27/2003	Acrolein	ug/l	ND	50
EX14	5/5/2003	Acrolein	ug/l	ND	50

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX14	7/17/2003	Acrolein	ug/l	ND	50
EX14	10/16/2003	Acrolein	ug/l	ND	50
EX14	3/27/2003	Acrylonitrile	ug/l	ND	50
EX14	5/5/2003	Acrylonitrile	ug/l	ND	50
EX14	7/17/2003	Acrylonitrile	ug/l	ND	50
EX14	10/16/2003	Acrylonitrile	ug/l	ND	50
EX14	3/27/2003	Alachlor	ug/l	ND	0.4
EX14	5/5/2003	Alachlor	ug/l	ND	0.4
EX14	7/17/2003	Alachlor	ug/l	ND	0.4
EX14	10/16/2003	Alachlor	ug/l	ND	0.4
EX14	3/27/2003	Aldicarb	ug/l	ND	0.4
EX14	5/5/2003	Aldicarb	ug/l	ND	0.4
EX14	7/17/2003	Aldicarb	ug/l	ND	0.4
EX14	10/16/2003	Aldicarb	ug/l	ND	0.4
EX14	3/27/2003	Aldrin	ug/l	ND	0.05
EX14	5/5/2003	Aldrin	ug/l	ND	0.05
EX14	7/17/2003	Aldrin	ug/l	ND	0.05
EX14	10/16/2003	Aldrin	ug/l	ND	0.05
EX14	3/27/2003	Aluminum, Total	ug/l	1200	20
EX14	5/5/2003	Aluminum, Total	ug/l	1400	10
EX14	7/17/2003	Aluminum, Total	ug/l	660	10
EX14	10/16/2003	Aluminum, Total	ug/l	130	10
EX14	3/27/2003	Ammonia, Dissolved	mg/l	17	0.5
EX14	5/5/2003	Ammonia, Dissolved	mg/l	17	0.05
EX14	7/17/2003	Ammonia, Dissolved	mg/l	17	0.05
EX14	10/16/2003	Ammonia, Dissolved	mg/l	15	0.05
EX14	3/27/2003	Ammonia, Total	mg/l	18	0.5
EX14	5/5/2003	Ammonia, Total	mg/l	15	0.05
EX14	7/17/2003	Ammonia, Total	mg/l	17	0.05
EX14	10/16/2003	Ammonia, Total	mg/l	15	0.05
EX14	3/27/2003	Antimony, Total	ug/l	ND	3
EX14	5/5/2003	Antimony, Total	ug/l	ND	3
EX14	7/17/2003	Antimony, Total	ug/l	ND	3
EX14	10/16/2003	Antimony, Total	ug/l	ND	3
EX14	3/27/2003	Aroclor 1016	ug/l	ND	0.5
EX14	5/5/2003	Aroclor 1016	ug/l	ND	0.5
EX14	7/17/2003	Aroclor 1016	ug/l	ND	0.5
EX14	10/16/2003	Aroclor 1016	ug/l	ND	0.5
EX14	3/27/2003	Aroclor 1221	ug/l	ND	0.5
EX14	5/5/2003	Aroclor 1221	ug/l	ND	0.5
EX14	7/17/2003	Aroclor 1221	ug/l	ND	0.5
EX14	10/16/2003	Aroclor 1221	ug/l	ND	0.5
EX14	3/27/2003	Aroclor 1232	ug/l	ND	0.5
EX14	5/5/2003	Aroclor 1232	ug/l	ND	0.5
EX14	7/17/2003	Aroclor 1232	ug/l	ND	0.5
EX14	10/16/2003	Aroclor 1232	ug/l	ND	0.5
EX14	3/27/2003	Aroclor 1242	ug/l	ND	0.5
EX14	5/5/2003	Aroclor 1242	ug/l	ND	0.5
EX14	7/17/2003	Aroclor 1242	ug/l	ND	0.5
EX14	10/16/2003	Aroclor 1242	ug/l	ND	0.5
EX14	3/27/2003	Aroclor 1248	ug/l	ND	0.5
EX14	5/5/2003	Aroclor 1248	ug/l	ND	0.5
EX14	7/17/2003	Aroclor 1248	ug/l	ND	0.5
EX14	10/16/2003	Aroclor 1248	ug/l	ND	0.5
EX14	3/27/2003	Aroclor 1254	ug/l	ND	0.5
EX14	5/5/2003	Aroclor 1254	ug/l	ND	0.5
EX14	7/17/2003	Aroclor 1254	ug/l	ND	0.5
EX14	10/16/2003	Aroclor 1254	ug/l	ND	0.5
EX14	3/27/2003	Aroclor 1260	ug/l	ND	0.5

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX14	5/5/2003	Aroclor 1260	ug/l	ND	0.5
EX14	7/17/2003	Aroclor 1260	ug/l	ND	0.5
EX14	10/16/2003	Aroclor 1260	ug/l	ND	0.5
EX14	3/27/2003	Arsenic, Total	ug/l	56	1
EX14	5/5/2003	Arsenic, Total	ug/l	26	1
EX14	7/17/2003	Arsenic, Total	ug/l	29	1
EX14	10/16/2003	Arsenic, Total	ug/l	32	1
EX14	3/27/2003	Arsenic, Dissolved	ug/l	30	1
EX14	5/5/2003	Arsenic, Dissolved	ug/l	22	1
EX14	7/17/2003	Arsenic, Dissolved	ug/l	14	1
EX14	10/16/2003	Arsenic, Dissolved	ug/l	30	1
EX14	3/27/2003	Atrazine	ug/l	ND	0.2
EX14	5/5/2003	Atrazine	ug/l	ND	0.2
EX14	7/17/2003	Atrazine	ug/l	ND	0.2
EX14	10/16/2003	Atrazine	ug/l	ND	0.2
EX14	3/27/2003	Barium, Total	ug/l	310	1
EX14	5/5/2003	Barium, Total	ug/l	310	1
EX14	7/17/2003	Barium, Total	ug/l	300	1
EX14	10/16/2003	Barium, Total	ug/l	310	1
EX14	3/27/2003	Benzene	ug/l	ND	1
EX14	5/5/2003	Benzene	ug/l	ND	1
EX14	7/17/2003	Benzene	ug/l	ND	1
EX14	10/16/2003	Benzene	ug/l	ND	1
EX14	3/27/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX14	5/5/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX14	7/17/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX14	10/16/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX14	3/27/2003	Beryllium, Total	ug/l	ND	1
EX14	5/5/2003	Beryllium, Total	ug/l	ND	1
EX14	7/17/2003	Beryllium, Total	ug/l	ND	1
EX14	10/16/2003	Beryllium, Total	ug/l	ND	1
EX14	3/27/2003	Bis(2-ethylhexyl)phthalate	ug/l	7.4	6
EX14	5/5/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX14	7/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX14	10/16/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX14	3/27/2003	Biological Oxygen Demand (BOD)	mg/l	38	3
EX14	5/5/2003	Biological Oxygen Demand (BOD)	mg/l	23	3
EX14	7/17/2003	Biological Oxygen Demand (BOD)	mg/l	33	3
EX14	10/16/2003	Biological Oxygen Demand (BOD)	mg/l	33	3
EX14	3/27/2003	Boron, Dissolved	ug/l	400	10
EX14	5/5/2003	Boron, Dissolved	ug/l	460	10
EX14	7/17/2003	Boron, Dissolved	ug/l	510	10
EX14	10/16/2003	Boron, Dissolved	ug/l	420	10
EX14	3/27/2003	Boron, Total	ug/l	410	10
EX14	5/5/2003	Boron, Total	ug/l	460	10
EX14	7/17/2003	Boron, Total	ug/l	470	10
EX14	10/16/2003	Boron, Total	ug/l	470	10
EX14	3/27/2003	Bromobenzene	ug/l	ND	1
EX14	5/5/2003	Bromobenzene	ug/l	ND	1
EX14	7/17/2003	Bromobenzene	ug/l	ND	1
EX14	10/16/2003	Bromobenzene	ug/l	ND	1
EX14	3/27/2003	Bromochloromethane	ug/l	ND	1
EX14	5/5/2003	Bromochloromethane	ug/l	ND	1
EX14	7/17/2003	Bromochloromethane	ug/l	ND	1
EX14	10/16/2003	Bromochloromethane	ug/l	ND	1
EX14	3/27/2003	Bromodichloromethane	ug/l	ND	1
EX14	5/5/2003	Bromodichloromethane	ug/l	ND	1
EX14	7/17/2003	Bromodichloromethane	ug/l	ND	1
EX14	10/16/2003	Bromodichloromethane	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX14	3/27/2003	Bromoform	ug/l	ND	1
EX14	5/5/2003	Bromoform	ug/l	ND	1
EX14	7/17/2003	Bromoform	ug/l	ND	1
EX14	10/16/2003	Bromoform	ug/l	ND	1
EX14	3/27/2003	Bromomethane	ug/l	ND	2
EX14	5/5/2003	Bromomethane	ug/l	ND	2
EX14	7/17/2003	Bromomethane	ug/l	ND	2
EX14	10/16/2003	Bromomethane	ug/l	ND	2
EX14	3/27/2003	Cadmium, Dissolved	ug/l	ND	1
EX14	5/5/2003	Cadmium, Dissolved	ug/l	ND	1
EX14	7/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX14	10/16/2003	Cadmium, Dissolved	ug/l	ND	1
EX14	3/27/2003	Cadmium, Total	ug/l	ND	1
EX14	5/5/2003	Cadmium, Total	ug/l	ND	1
EX14	7/17/2003	Cadmium, Total	ug/l	ND	1
EX14	10/16/2003	Cadmium, Total	ug/l	ND	1
EX14	3/27/2003	Calcium, Total	mg/l	130	0.1
EX14	5/5/2003	Calcium, Total	mg/l	120	0.1
EX14	7/17/2003	Calcium, Total	mg/l	130	0.1
EX14	10/16/2003	Calcium, Total	mg/l	130	0.1
EX14	3/27/2003	Carbofuran	ug/l	ND	1.5
EX14	5/5/2003	Carbofuran	ug/l	ND	1.5
EX14	7/17/2003	Carbofuran	ug/l	ND	1.5
EX14	10/16/2003	Carbofuran	ug/l	ND	1.5
EX14	3/27/2003	Carbon Disulfide	ug/l	26	1
EX14	5/5/2003	Carbon Disulfide	ug/l	10	1
EX14	7/17/2003	Carbon Disulfide	ug/l	14	1
EX14	10/16/2003	Carbon Disulfide	ug/l	ND	1
EX14	3/27/2003	Carbon Tetrachloride	ug/l	ND	1
EX14	5/5/2003	Carbon Tetrachloride	ug/l	ND	1
EX14	7/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX14	10/16/2003	Carbon Tetrachloride	ug/l	ND	1
EX14	3/27/2003	Chlordane (Tech)	ug/l	ND	0.5
EX14	5/5/2003	Chlordane (Tech)	ug/l	ND	0.5
EX14	7/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX14	10/16/2003	Chlordane (Tech)	ug/l	ND	0.5
EX14	3/27/2003	Chloride, Dissolved	mg/l	8.4	2.5
EX14	5/5/2003	Chloride, Dissolved	mg/l	3.5	1
EX14	7/17/2003	Chloride, Dissolved	mg/l	3.2	1
EX14	10/16/2003	Chloride, Dissolved	mg/l	3	0.5
EX14	3/27/2003	Chloride, Total	mg/l	8.1	2.5
EX14	5/5/2003	Chloride, Total	mg/l	3.7	1
EX14	7/17/2003	Chloride, Total	mg/l	3	1
EX14	10/16/2003	Chloride, Total	mg/l	3	0.5
EX14	3/27/2003	Chlorobenzene	ug/l	ND	1
EX14	5/5/2003	Chlorobenzene	ug/l	ND	1
EX14	7/17/2003	Chlorobenzene	ug/l	ND	1
EX14	10/16/2003	Chlorobenzene	ug/l	ND	1
EX14	3/27/2003	Chloroethane	ug/l	ND	2
EX14	5/5/2003	Chloroethane	ug/l	ND	2
EX14	7/17/2003	Chloroethane	ug/l	ND	2
EX14	10/16/2003	Chloroethane	ug/l	ND	2
EX14	3/27/2003	Chloroform	ug/l	ND	1
EX14	5/5/2003	Chloroform	ug/l	ND	1
EX14	7/17/2003	Chloroform	ug/l	ND	1
EX14	10/16/2003	Chloroform	ug/l	ND	1
EX14	3/27/2003	Chloromethane	ug/l	ND	2
EX14	5/5/2003	Chloromethane	ug/l	ND	2
EX14	7/17/2003	Chloromethane	ug/l	ND	2

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX14	10/16/2003	Chloromethane	ug/l	ND	2
EX14	3/27/2003	Chromium, Total	ug/l	19	4
EX14	5/5/2003	Chromium, Total	ug/l	7.8	4
EX14	7/17/2003	Chromium, Total	ug/l	8.4	4
EX14	10/16/2003	Chromium, Total	ug/l	6.7	4
EX14	3/27/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX14	5/5/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX14	7/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX14	10/16/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX14	3/27/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX14	5/5/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX14	7/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX14	10/16/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX14	3/27/2003	Cobalt, Total	ug/l	3.6	2
EX14	5/5/2003	Cobalt, Total	ug/l	ND	2
EX14	7/17/2003	Cobalt, Total	ug/l	ND	2
EX14	10/16/2003	Cobalt, Total	ug/l	ND	2
EX14	3/27/2003	Chemical Oxygen Demand (COD)	mg/l	ND	6
EX14	5/5/2003	Chemical Oxygen Demand (COD)	mg/l	69	6
EX14	7/17/2003	Chemical Oxygen Demand (COD)	mg/l	77	6
EX14	10/16/2003	Chemical Oxygen Demand (COD)	mg/l	44	6
EX14	3/27/2003	Copper, Total	ug/l	3.1	3
EX14	5/5/2003	Copper, Total	ug/l	8.8	3
EX14	7/17/2003	Copper, Total	ug/l	4	3
EX14	10/16/2003	Copper, Total	ug/l	ND	3
EX14	3/27/2003	Cyanide, Total	mg/l	ND	0.005
EX14	5/5/2003	Cyanide, Total	mg/l	ND	0.005
EX14	7/17/2003	Cyanide, Total	mg/l	ND	0.005
EX14	10/16/2003	Cyanide, Total	mg/l	ND	0.005
EX14	3/27/2003	Dalapon	ug/l	ND	1.5
EX14	5/5/2003	Dalapon	ug/l	ND	1.5
EX14	7/17/2003	Dalapon	ug/l	ND	1.5
EX14	10/16/2003	Dalapon	ug/l	ND	1.5
EX14	3/27/2003	Dibromochloromethane	ug/l	ND	1
EX14	5/5/2003	Dibromochloromethane	ug/l	ND	1
EX14	7/17/2003	Dibromochloromethane	ug/l	ND	1
EX14	10/16/2003	Dibromochloromethane	ug/l	ND	1
EX14	3/27/2003	Dibromomethane	ug/l	ND	1
EX14	5/5/2003	Dibromomethane	ug/l	ND	1
EX14	7/17/2003	Dibromomethane	ug/l	ND	1
EX14	10/16/2003	Dibromomethane	ug/l	ND	1
EX14	3/27/2003	Dichlorodifluoromethane	ug/l	ND	2
EX14	5/5/2003	Dichlorodifluoromethane	ug/l	ND	2
EX14	7/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX14	10/16/2003	Dichlorodifluoromethane	ug/l	ND	2
EX14	3/27/2003	Dieldrin	ug/l	ND	0.1
EX14	5/5/2003	Dieldrin	ug/l	ND	0.1
EX14	7/17/2003	Dieldrin	ug/l	ND	0.1
EX14	10/16/2003	Dieldrin	ug/l	ND	0.1
EX14	3/27/2003	Diethyl phthalate	ug/l	ND	10
EX14	5/5/2003	Diethyl phthalate	ug/l	ND	10
EX14	7/17/2003	Diethyl phthalate	ug/l	ND	10
EX14	10/16/2003	Diethyl phthalate	ug/l	ND	10
EX14	3/27/2003	Dimethyl phthalate	ug/l	ND	10
EX14	5/5/2003	Dimethyl phthalate	ug/l	ND	10
EX14	7/17/2003	Dimethyl phthalate	ug/l	ND	10
EX14	10/16/2003	Dimethyl phthalate	ug/l	ND	10
EX14	3/27/2003	Di-n-butyl phthalate	ug/l	ND	10
EX14	5/5/2003	Di-n-butyl phthalate	ug/l	ND	10

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX14	7/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX14	10/16/2003	Di-n-butyl phthalate	ug/l	ND	10
EX14	3/27/2003	Dinoseb	ug/l	ND	0.2
EX14	5/5/2003	Dinoseb	ug/l	ND	0.2
EX14	7/17/2003	Dinoseb	ug/l	ND	0.2
EX14	10/16/2003	Dinoseb	ug/l	ND	0.2
EX14	3/27/2003	Endothal	ug/l	ND	40
EX14	5/5/2003	Endothal	ug/l	ND	40
EX14	7/17/2003	Endothal	ug/l	ND	40
EX14	10/16/2003	Endothal	ug/l	ND	40
EX14	3/27/2003	Endrin	ug/l	ND	0.1
EX14	5/5/2003	Endrin	ug/l	ND	0.1
EX14	7/17/2003	Endrin	ug/l	ND	0.1
EX14	10/16/2003	Endrin	ug/l	ND	0.1
EX14	3/27/2003	Ethylbenzene	ug/l	ND	1
EX14	5/5/2003	Ethylbenzene	ug/l	ND	1
EX14	7/17/2003	Ethylbenzene	ug/l	ND	1
EX14	10/16/2003	Ethylbenzene	ug/l	ND	1
EX14	3/27/2003	Ethylene dibromide	ug/l	ND	0.05
EX14	5/5/2003	Ethylene dibromide	ug/l	ND	0.05
EX14	7/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX14	10/16/2003	Ethylene dibromide	ug/l	ND	0.05
EX14	3/27/2003	Fluoride, Total	mg/l	0.37	0.25
EX14	5/5/2003	Fluoride, Total	mg/l	0.42	0.25
EX14	7/17/2003	Fluoride, Total	mg/l	0.37	0.25
EX14	10/16/2003	Fluoride, Total	mg/l	0.461	0.25
EX14	3/27/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX14	5/5/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX14	7/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX14	10/16/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX14	3/27/2003	Heptachlor	ug/l	ND	0.05
EX14	5/5/2003	Heptachlor	ug/l	ND	0.05
EX14	7/17/2003	Heptachlor	ug/l	ND	0.05
EX14	10/16/2003	Heptachlor	ug/l	ND	0.05
EX14	3/27/2003	Heptachlor epoxide	ug/l	ND	0.05
EX14	5/5/2003	Heptachlor epoxide	ug/l	ND	0.05
EX14	7/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX14	10/16/2003	Heptachlor epoxide	ug/l	ND	0.05
EX14	3/27/2003	Hexachlorobutadiene	ug/l	ND	10
EX14	5/5/2003	Hexachlorobutadiene	ug/l	ND	10
EX14	7/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX14	10/16/2003	Hexachlorobutadiene	ug/l	ND	10
EX14	3/27/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX14	5/5/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX14	7/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX14	10/16/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX14	3/27/2003	Iodomethane	ug/l	ND	1
EX14	5/5/2003	Iodomethane	ug/l	ND	1
EX14	7/17/2003	Iodomethane	ug/l	ND	1
EX14	10/16/2003	Iodomethane	ug/l	ND	1
EX14	3/27/2003	Iron, Dissolved	ug/l	220	10
EX14	5/5/2003	Iron, Dissolved	ug/l	3700	10
EX14	7/17/2003	Iron, Dissolved	ug/l	310	10
EX14	10/16/2003	Iron, Dissolved	ug/l	7800	10
EX14	3/27/2003	Iron, Total	ug/l	4600	10
EX14	5/5/2003	Iron, Total	ug/l	7800	10
EX14	7/17/2003	Iron, Total	ug/l	9800	10
EX14	10/16/2003	Iron, Total	ug/l	12000	10
EX14	3/27/2003	Isophorone	ug/l	ND	10

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX14	5/5/2003	Isophorone	ug/l	ND	10
EX14	7/17/2003	Isophorone	ug/l	ND	10
EX14	10/16/2003	Isophorone	ug/l	ND	10
EX14	3/27/2003	Isopropylbenzene	ug/l	ND	1
EX14	5/5/2003	Isopropylbenzene	ug/l	ND	1
EX14	7/17/2003	Isopropylbenzene	ug/l	ND	1
EX14	10/16/2003	Isopropylbenzene	ug/l	ND	1
EX14	3/27/2003	Lead, Total	ug/l	ND	2
EX14	5/5/2003	Lead, Total	ug/l	1.2	1
EX14	7/17/2003	Lead, Total	ug/l	ND	1
EX14	10/16/2003	Lead, Total	ug/l	ND	1
EX14	3/27/2003	Lead, Dissolved	ug/l	ND	1
EX14	5/5/2003	Lead, Dissolved	ug/l	2.5	1
EX14	7/17/2003	Lead, Dissolved	ug/l	ND	1
EX14	10/16/2003	Lead, Dissolved	ug/l	ND	1
EX14	3/27/2003	Magnesium, Total	mg/l	55	0.1
EX14	5/5/2003	Magnesium, Total	mg/l	63	0.1
EX14	7/17/2003	Magnesium, Total	mg/l	58	0.1
EX14	10/16/2003	Magnesium, Total	mg/l	57	0.1
EX14	3/27/2003	Manganese, Dissolved	ug/l	160	1
EX14	5/5/2003	Manganese, Dissolved	ug/l	140	1
EX14	7/17/2003	Manganese, Dissolved	ug/l	120	1
EX14	10/16/2003	Manganese, Dissolved	ug/l	96	1
EX14	3/27/2003	Manganese, Total	ug/l	170	1
EX14	5/5/2003	Manganese, Total	ug/l	150	1
EX14	7/17/2003	Manganese, Total	ug/l	120	1
EX14	10/16/2003	Manganese, Total	ug/l	98	1
EX14	3/27/2003	Mercury, Dissolved	ug/l	ND	0.2
EX14	5/5/2003	Mercury, Dissolved	ug/l	ND	0.2
EX14	7/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX14	10/16/2003	Mercury, Dissolved	ug/l	ND	0.2
EX14	3/27/2003	Mercury, Total	ug/l	ND	0.2
EX14	5/5/2003	Mercury, Total	ug/l	ND	0.2
EX14	7/17/2003	Mercury, Total	ug/l	ND	0.2
EX14	10/16/2003	Mercury, Total	ug/l	ND	0.2
EX14	3/27/2003	Methoxychlor	ug/l	ND	0.5
EX14	5/5/2003	Methoxychlor	ug/l	ND	0.5
EX14	7/17/2003	Methoxychlor	ug/l	ND	0.5
EX14	10/16/2003	Methoxychlor	ug/l	ND	0.5
EX14	3/27/2003	Methylene Chloride	ug/l	ND	5
EX14	5/5/2003	Methylene Chloride	ug/l	ND	5
EX14	7/17/2003	Methylene Chloride	ug/l	ND	5
EX14	10/16/2003	Methylene Chloride	ug/l	ND	5
EX14	3/27/2003	Naphthalene	ug/l	ND	10
EX14	5/5/2003	Naphthalene	ug/l	ND	10
EX14	7/17/2003	Naphthalene	ug/l	ND	10
EX14	10/16/2003	Naphthalene	ug/l	ND	10
EX14	3/27/2003	n-Butylbenzene	ug/l	ND	1
EX14	5/5/2003	n-Butylbenzene	ug/l	ND	1
EX14	7/17/2003	n-Butylbenzene	ug/l	ND	1
EX14	10/16/2003	n-Butylbenzene	ug/l	ND	1
EX14	3/27/2003	Nickel, Total	ug/l	88	5
EX14	5/5/2003	Nickel, Total	ug/l	34	5
EX14	7/17/2003	Nickel, Total	ug/l	25	5
EX14	10/16/2003	Nickel, Total	ug/l	18	5
EX14	3/27/2003	Nitrate/Nitrite as N Dissolved	mg/l	0.051	0.02
EX14	5/5/2003	Nitrate/Nitrite as N Dissolved	mg/l	0.036	0.02
EX14	7/17/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX14	10/16/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX14	3/27/2003	Nitrate/Nitrite as N, Total	mg/l	0.04	0.02
EX14	5/5/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX14	7/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX14	10/16/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX14	3/27/2003	n-Propylbenzene	ug/l	ND	1
EX14	5/5/2003	n-Propylbenzene	ug/l	ND	1
EX14	7/17/2003	n-Propylbenzene	ug/l	ND	1
EX14	10/16/2003	n-Propylbenzene	ug/l	ND	1
EX14	3/27/2003	Oil and Grease, Total	mg/l	ND	6
EX14	5/5/2003	Oil and Grease, Total	mg/l	ND	5
EX14	7/17/2003	Oil and Grease, Total	mg/l	8.6	5
EX14	10/16/2003	Oil and Grease, Total	mg/l	ND	5
EX14	3/27/2003	o-Xylene	ug/l	ND	1
EX14	5/5/2003	o-Xylene	ug/l	ND	1
EX14	7/17/2003	o-Xylene	ug/l	ND	1
EX14	10/16/2003	o-Xylene	ug/l	ND	1
EX14	3/27/2003	Parathion	ug/l	ND	0.2
EX14	5/5/2003	Parathion	ug/l	ND	0.2
EX14	7/17/2003	Parathion	ug/l	ND	0.2
EX14	10/16/2003	Parathion	ug/l	ND	0.2
EX14	3/27/2003	Pentachlorophenol	ug/l	ND	0.05
EX14	5/5/2003	Pentachlorophenol	ug/l	ND	0.05
EX14	7/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX14	10/16/2003	Pentachlorophenol	ug/l	ND	0.05
EX14	10/16/2003	pH, Field Aqueous	s.u.	6.61	
EX14	3/27/2003	pH, Field Aqueous	s.u.	6.85	
EX14	5/5/2003	pH, Field Aqueous	s.u.	6.71	
EX14	7/17/2003	pH, Field Aqueous	s.u.	7.23	
EX14	3/27/2003	Phenols, Total	mg/l	ND	0.005
EX14	5/5/2003	Phenols, Total	mg/l	ND	0.005
EX14	7/17/2003	Phenols, Total	mg/l	ND	0.005
EX14	10/16/2003	Phenols, Total	mg/l	ND	0.005
EX14	3/27/2003	Picloram	ug/l	ND	0.2
EX14	5/5/2003	Picloram	ug/l	ND	0.2
EX14	7/17/2003	Picloram	ug/l	ND	0.2
EX14	10/16/2003	Picloram	ug/l	ND	0.2
EX14	3/27/2003	p-Isopropyltoluene	ug/l	ND	1
EX14	5/5/2003	p-Isopropyltoluene	ug/l	ND	1
EX14	7/17/2003	p-Isopropyltoluene	ug/l	ND	1
EX14	10/16/2003	p-Isopropyltoluene	ug/l	ND	1
EX14	3/27/2003	Potassium, Total	mg/l	8	0.1
EX14	5/5/2003	Potassium, Total	mg/l	8.4	0.1
EX14	7/17/2003	Potassium, Total	mg/l	7.6	0.1
EX14	10/16/2003	Potassium, Total	mg/l	6.2	0.1
EX14	3/27/2003	p-Xylene	ug/l	ND	1
EX14	5/5/2003	p-Xylene	ug/l	ND	1
EX14	7/17/2003	p-Xylene	ug/l	ND	1
EX14	10/16/2003	p-Xylene	ug/l	ND	1
EX14	3/27/2003	sec-Butylbenzene	ug/l	ND	1
EX14	5/5/2003	sec-Butylbenzene	ug/l	ND	1
EX14	7/17/2003	sec-Butylbenzene	ug/l	ND	1
EX14	10/16/2003	sec-Butylbenzene	ug/l	ND	1
EX14	3/27/2003	Selenium, Total	ug/l	ND	1
EX14	5/5/2003	Selenium, Total	ug/l	ND	1
EX14	7/17/2003	Selenium, Total	ug/l	ND	1
EX14	10/16/2003	Selenium, Total	ug/l	1	1
EX14	3/27/2003	Silver, Total	ug/l	ND	5
EX14	5/5/2003	Silver, Total	ug/l	ND	5
EX14	7/17/2003	Silver, Total	ug/l	ND	5

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX14	10/16/2003	Silver, Total	ug/l	ND	5
EX14	3/27/2003	Silvex	ug/l	ND	0.05
EX14	5/5/2003	Silvex	ug/l	ND	0.05
EX14	7/17/2003	Silvex	ug/l	ND	0.05
EX14	10/16/2003	Silvex	ug/l	ND	0.05
EX14	3/27/2003	Simazine	ug/l	ND	0.2
EX14	5/5/2003	Simazine	ug/l	ND	0.2
EX14	7/17/2003	Simazine	ug/l	ND	0.2
EX14	10/16/2003	Simazine	ug/l	ND	0.2
EX14	3/27/2003	Sodium, Total	mg/l	37	0.1
EX14	5/5/2003	Sodium, Total	mg/l	41	0.1
EX14	7/17/2003	Sodium, Total	mg/l	39	0.1
EX14	10/16/2003	Sodium, Total	mg/l	38	0.1
EX14	10/16/2003	Specific Conductance, Field	umhos/cm	890	
EX14	3/27/2003	Specific Conductance, Field	umhos/cm	605	
EX14	5/5/2003	Specific Conductance, Field	umhos/cm	870	
EX14	7/17/2003	Specific Conductance, Field		1100	
EX14	3/27/2003	Styrene	ug/l	ND	1
EX14	5/5/2003	Styrene	ug/l	ND	1
EX14	7/17/2003	Styrene	ug/l	ND	1
EX14	10/16/2003	Styrene	ug/l	ND	1
EX14	3/27/2003	Sulfate, Dissolved	mg/l	5.1	1
EX14	5/5/2003	Sulfate, Dissolved	mg/l	7	1
EX14	7/17/2003	Sulfate, Dissolved	mg/l	5.5	1
EX14	10/16/2003	Sulfate, Dissolved	mg/l	3.1	1
EX14	3/27/2003	Sulfate, Total	mg/l	3.7	1
EX14	5/5/2003	Sulfate, Total	mg/l	7	1
EX14	7/17/2003	Sulfate, Total	mg/l	5.8	1
EX14	10/16/2003	Sulfate, Total	mg/l	3.3	1
EX14	3/27/2003	tert-Butylbenzene	ug/l	ND	1
EX14	5/5/2003	tert-Butylbenzene	ug/l	ND	1
EX14	7/17/2003	tert-Butylbenzene	ug/l	ND	1
EX14	10/16/2003	tert-Butylbenzene	ug/l	ND	1
EX14	3/27/2003	Tetrachloroethene	ug/l	ND	1
EX14	5/5/2003	Tetrachloroethene	ug/l	ND	1
EX14	7/17/2003	Tetrachloroethene	ug/l	ND	1
EX14	10/16/2003	Tetrachloroethene	ug/l	ND	1
EX14	3/27/2003	Tetrahydrofuran	ug/l	ND	20
EX14	5/5/2003	Tetrahydrofuran	ug/l	ND	20
EX14	7/17/2003	Tetrahydrofuran	ug/l	ND	20
EX14	10/16/2003	Tetrahydrofuran	ug/l	ND	20
EX14	3/27/2003	Thallium, Total	ug/l	ND	1
EX14	5/5/2003	Thallium, Total	ug/l	ND	1
EX14	7/17/2003	Thallium, Total	ug/l	ND	1
EX14	10/16/2003	Thallium, Total	ug/l	ND	1
EX14	3/27/2003	Total Organic Carbon (TOC)	mg/l	22	0.5
EX14	5/5/2003	Total Organic Carbon (TOC)	mg/l	19	0.5
EX14	7/17/2003	Total Organic Carbon (TOC)	mg/l	46	5
EX14	10/16/2003	Total Organic Carbon (TOC)	mg/l	18	0.5
EX14	3/27/2003	Toluene	ug/l	ND	1
EX14	5/5/2003	Toluene	ug/l	ND	1
EX14	7/17/2003	Toluene	ug/l	ND	1
EX14	10/16/2003	Toluene	ug/l	ND	1
EX14	3/27/2003	Total Dissolved Solids	mg/l	640	17
EX14	5/5/2003	Total Dissolved Solids	mg/l	720	17
EX14	7/17/2003	Total Dissolved Solids	mg/l	730	17
EX14	10/16/2003	Total Dissolved Solids	mg/l	540	51
EX14	3/27/2003	Toxaphene	ug/l	ND	1.5
EX14	5/5/2003	Toxaphene	ug/l	ND	1.5

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX14	7/17/2003	Toxaphene	ug/l	ND	1.5
EX14	10/16/2003	Toxaphene	ug/l	ND	1.5
EX14	3/27/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX14	5/5/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX14	7/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX14	10/16/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX14	3/27/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX14	5/5/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX14	7/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX14	10/16/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX14	3/27/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX14	5/5/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX14	7/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX14	10/16/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX14	3/27/2003	Trichloroethene	ug/l	ND	1
EX14	5/5/2003	Trichloroethene	ug/l	ND	1
EX14	7/17/2003	Trichloroethene	ug/l	ND	1
EX14	10/16/2003	Trichloroethene	ug/l	ND	1
EX14	3/27/2003	Trichlorofluoromethane	ug/l	ND	1
EX14	5/5/2003	Trichlorofluoromethane	ug/l	ND	1
EX14	7/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX14	10/16/2003	Trichlorofluoromethane	ug/l	ND	1
EX14	3/27/2003	Vanadium, Total	ug/l	ND	5
EX14	5/5/2003	Vanadium, Total	ug/l	ND	5
EX14	7/17/2003	Vanadium, Total	ug/l	ND	5
EX14	10/16/2003	Vanadium, Total	ug/l	ND	5
EX14	3/27/2003	Vinyl Acetate	ug/l	ND	5
EX14	5/5/2003	Vinyl Acetate	ug/l	ND	5
EX14	7/17/2003	Vinyl Acetate	ug/l	ND	5
EX14	10/16/2003	Vinyl Acetate	ug/l	ND	5
EX14	3/27/2003	Vinyl Chloride	ug/l	ND	2
EX14	5/5/2003	Vinyl Chloride	ug/l	ND	2
EX14	7/17/2003	Vinyl Chloride	ug/l	ND	2
EX14	10/16/2003	Vinyl Chloride	ug/l	ND	2
EX14	3/27/2003	Xylenes, Total	ug/l	ND	3
EX14	5/5/2003	Xylenes, Total	ug/l	ND	3
EX14	7/17/2003	Xylenes, Total	ug/l	ND	3
EX14	10/16/2003	Xylenes, Total	ug/l	ND	3
EX14	3/27/2003	Zinc, Total	ug/l	24	6
EX14	5/5/2003	Zinc, Total	ug/l	44	6
EX14	7/17/2003	Zinc, Total	ug/l	35	6
EX14	10/16/2003	Zinc, Total	ug/l	6.3	6
EX14	3/27/2003	Zinc, Dissolved	ug/l	18	6
EX14	5/5/2003	Zinc, Dissolved	ug/l	44	6
EX14	7/17/2003	Zinc, Dissolved	ug/l	12	6
EX14	10/16/2003	Zinc, Dissolved	ug/l	13	6
EX17	3/27/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX17	5/5/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX17	7/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX17	10/16/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX17	3/27/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX17	5/5/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX17	7/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX17	10/16/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX17	3/27/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX17	5/5/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX17	7/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX17	10/16/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX17	3/27/2003	1,1,2-Trichloroethane	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX17	5/5/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX17	7/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX17	10/16/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX17	3/27/2003	1,1-Dichloroethane	ug/l	ND	1
EX17	5/5/2003	1,1-Dichloroethane	ug/l	ND	1
EX17	7/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX17	10/16/2003	1,1-Dichloroethane	ug/l	ND	1
EX17	3/27/2003	1,1-Dichloroethene	ug/l	ND	1
EX17	5/5/2003	1,1-Dichloroethene	ug/l	ND	1
EX17	7/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX17	10/16/2003	1,1-Dichloroethene	ug/l	ND	1
EX17	3/27/2003	1,1-Dichloropropene	ug/l	ND	1
EX17	5/5/2003	1,1-Dichloropropene	ug/l	ND	1
EX17	7/17/2003	1,1-Dichloropropene	ug/l	ND	1
EX17	10/16/2003	1,1-Dichloropropene	ug/l	ND	1
EX17	3/27/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX17	5/5/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX17	7/17/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX17	10/16/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX17	3/27/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX17	5/5/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX17	7/17/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX17	10/16/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX17	3/27/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX17	5/5/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX17	7/17/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX17	10/16/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX17	3/27/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX17	5/5/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX17	7/17/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX17	10/16/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX17	3/27/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX17	5/5/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX17	7/17/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX17	10/16/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX17	3/27/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX17	5/5/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX17	7/17/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX17	10/16/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX17	3/27/2003	1,2-Dichloroethane	ug/l	ND	1
EX17	5/5/2003	1,2-Dichloroethane	ug/l	ND	1
EX17	7/17/2003	1,2-Dichloroethane	ug/l	ND	1
EX17	10/16/2003	1,2-Dichloroethane	ug/l	ND	1
EX17	3/27/2003	1,2-Dichloropropane	ug/l	ND	1
EX17	5/5/2003	1,2-Dichloropropane	ug/l	ND	1
EX17	7/17/2003	1,2-Dichloropropane	ug/l	ND	1
EX17	10/16/2003	1,2-Dichloropropane	ug/l	ND	1
EX17	3/27/2003	1,3 Dichloropropane	ug/l	ND	1
EX17	5/5/2003	1,3 Dichloropropane	ug/l	ND	1
EX17	7/17/2003	1,3 Dichloropropane	ug/l	ND	1
EX17	10/16/2003	1,3 Dichloropropane	ug/l	ND	1
EX17	3/27/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX17	5/5/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX17	7/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX17	10/16/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX17	3/27/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX17	5/5/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX17	7/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX17	10/16/2003	1,3-Dichlorobenzene	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX17	3/27/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX17	5/5/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX17	7/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX17	10/16/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX17	3/27/2003	2,2-Dichloropropane	ug/l	ND	1
EX17	5/5/2003	2,2-Dichloropropane	ug/l	ND	1
EX17	7/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX17	10/16/2003	2,2-Dichloropropane	ug/l	ND	1
EX17	3/27/2003	2,4-D	ug/l	ND	0.1
EX17	5/5/2003	2,4-D	ug/l	ND	0.1
EX17	7/17/2003	2,4-D	ug/l	ND	0.1
EX17	10/16/2003	2,4-D	ug/l	ND	0.1
EX17	3/27/2003	2-Butanone (MEK)	ug/l	ND	5
EX17	5/5/2003	2-Butanone (MEK)	ug/l	ND	5
EX17	7/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX17	10/16/2003	2-Butanone (MEK)	ug/l	ND	5
EX17	3/27/2003	2-Chlorotoluene	ug/l	ND	1
EX17	5/5/2003	2-Chlorotoluene	ug/l	ND	1
EX17	7/17/2003	2-Chlorotoluene	ug/l	ND	1
EX17	10/16/2003	2-Chlorotoluene	ug/l	ND	1
EX17	3/27/2003	2-Hexanone (MBK)	ug/l	ND	5
EX17	5/5/2003	2-Hexanone (MBK)	ug/l	ND	5
EX17	7/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX17	10/16/2003	2-Hexanone (MBK)	ug/l	ND	5
EX17	3/27/2003	4,4'-DDT	ug/l	ND	0.1
EX17	5/5/2003	4,4'-DDT	ug/l	ND	0.1
EX17	7/17/2003	4,4'-DDT	ug/l	ND	0.1
EX17	10/16/2003	4,4'-DDT	ug/l	ND	0.1
EX17	3/27/2003	4-Chlorotoluene	ug/l	ND	1
EX17	5/5/2003	4-Chlorotoluene	ug/l	ND	1
EX17	7/17/2003	4-Chlorotoluene	ug/l	ND	1
EX17	10/16/2003	4-Chlorotoluene	ug/l	ND	1
EX17	3/27/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX17	5/5/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX17	7/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX17	10/16/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX17	3/27/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX17	5/5/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX17	7/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX17	10/16/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX17	3/27/2003	Acetone	ug/l	ND	10
EX17	5/5/2003	Acetone	ug/l	ND	10
EX17	7/17/2003	Acetone	ug/l	ND	10
EX17	10/16/2003	Acetone	ug/l	ND	10
EX17	3/27/2003	Acrolein	ug/l	ND	50
EX17	5/5/2003	Acrolein	ug/l	ND	50
EX17	7/17/2003	Acrolein	ug/l	ND	50
EX17	10/16/2003	Acrolein	ug/l	ND	50
EX17	3/27/2003	Acrylonitrile	ug/l	ND	50
EX17	5/5/2003	Acrylonitrile	ug/l	ND	50
EX17	7/17/2003	Acrylonitrile	ug/l	ND	50
EX17	10/16/2003	Acrylonitrile	ug/l	ND	50
EX17	3/27/2003	Alachlor	ug/l	ND	0.4
EX17	5/5/2003	Alachlor	ug/l	ND	0.4
EX17	7/17/2003	Alachlor	ug/l	ND	0.4
EX17	10/16/2003	Alachlor	ug/l	ND	0.4
EX17	3/27/2003	Aldicarb	ug/l	ND	0.4
EX17	5/5/2003	Aldicarb	ug/l	ND	0.4
EX17	7/17/2003	Aldicarb	ug/l	ND	0.4

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX17	10/16/2003	Aldicarb	ug/l	ND	0.4
EX17	3/27/2003	Aldrin	ug/l	ND	0.05
EX17	5/5/2003	Aldrin	ug/l	ND	0.05
EX17	7/17/2003	Aldrin	ug/l	ND	0.05
EX17	10/16/2003	Aldrin	ug/l	ND	0.05
EX17	3/27/2003	Aluminum, Total	ug/l	44000	20
EX17	5/5/2003	Aluminum, Total	ug/l	4000	10
EX17	7/17/2003	Aluminum, Total	ug/l	1100	10
EX17	10/16/2003	Aluminum, Total	ug/l	210	10
EX17	3/27/2003	Ammonia, Dissolved	mg/l	12	0.5
EX17	5/5/2003	Ammonia, Dissolved	mg/l	13	0.05
EX17	7/17/2003	Ammonia, Dissolved	mg/l	14	0.05
EX17	10/16/2003	Ammonia, Dissolved	mg/l	16	0.05
EX17	3/27/2003	Ammonia, Total	mg/l	15	0.5
EX17	5/5/2003	Ammonia, Total	mg/l	15	0.05
EX17	7/17/2003	Ammonia, Total	mg/l	14	0.05
EX17	10/16/2003	Ammonia, Total	mg/l	15	0.05
EX17	3/27/2003	Antimony, Total	ug/l	ND	3
EX17	5/5/2003	Antimony, Total	ug/l	ND	3
EX17	7/17/2003	Antimony, Total	ug/l	ND	3
EX17	10/16/2003	Antimony, Total	ug/l	ND	3
EX17	3/27/2003	Aroclor 1016	ug/l	ND	0.5
EX17	5/5/2003	Aroclor 1016	ug/l	ND	0.5
EX17	7/17/2003	Aroclor 1016	ug/l	ND	0.5
EX17	10/16/2003	Aroclor 1016	ug/l	ND	0.5
EX17	3/27/2003	Aroclor 1221	ug/l	ND	0.5
EX17	5/5/2003	Aroclor 1221	ug/l	ND	0.5
EX17	7/17/2003	Aroclor 1221	ug/l	ND	0.5
EX17	10/16/2003	Aroclor 1221	ug/l	ND	0.5
EX17	3/27/2003	Aroclor 1232	ug/l	ND	0.5
EX17	5/5/2003	Aroclor 1232	ug/l	ND	0.5
EX17	7/17/2003	Aroclor 1232	ug/l	ND	0.5
EX17	10/16/2003	Aroclor 1232	ug/l	ND	0.5
EX17	3/27/2003	Aroclor 1242	ug/l	ND	0.5
EX17	5/5/2003	Aroclor 1242	ug/l	ND	0.5
EX17	7/17/2003	Aroclor 1242	ug/l	ND	0.5
EX17	10/16/2003	Aroclor 1242	ug/l	ND	0.5
EX17	3/27/2003	Aroclor 1248	ug/l	ND	0.5
EX17	5/5/2003	Aroclor 1248	ug/l	ND	0.5
EX17	7/17/2003	Aroclor 1248	ug/l	ND	0.5
EX17	10/16/2003	Aroclor 1248	ug/l	ND	0.5
EX17	3/27/2003	Aroclor 1254	ug/l	ND	0.5
EX17	5/5/2003	Aroclor 1254	ug/l	ND	0.5
EX17	7/17/2003	Aroclor 1254	ug/l	ND	0.5
EX17	10/16/2003	Aroclor 1254	ug/l	ND	0.5
EX17	3/27/2003	Aroclor 1260	ug/l	ND	0.5
EX17	5/5/2003	Aroclor 1260	ug/l	ND	0.5
EX17	7/17/2003	Aroclor 1260	ug/l	ND	0.5
EX17	10/16/2003	Aroclor 1260	ug/l	ND	0.5
EX17	3/27/2003	Arsenic, Total	ug/l	30	1
EX17	5/5/2003	Arsenic, Total	ug/l	16	1
EX17	7/17/2003	Arsenic, Total	ug/l	16	1
EX17	10/16/2003	Arsenic, Total	ug/l	19	1
EX17	3/27/2003	Arsenic, Dissolved	ug/l	9.4	1
EX17	5/5/2003	Arsenic, Dissolved	ug/l	13	1
EX17	7/17/2003	Arsenic, Dissolved	ug/l	9.5	1
EX17	10/16/2003	Arsenic, Dissolved	ug/l	18	1
EX17	3/27/2003	Atrazine	ug/l	ND	0.2
EX17	5/5/2003	Atrazine	ug/l	ND	0.2

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX17	7/17/2003	Atrazine	ug/l	ND	0.2
EX17	10/16/2003	Atrazine	ug/l	ND	0.2
EX17	3/27/2003	Barium, Total	ug/l	450	1
EX17	5/5/2003	Barium, Total	ug/l	270	1
EX17	7/17/2003	Barium, Total	ug/l	280	1
EX17	10/16/2003	Barium, Total	ug/l	300	1
EX17	3/27/2003	Benzene	ug/l	ND	1
EX17	5/5/2003	Benzene	ug/l	ND	1
EX17	7/17/2003	Benzene	ug/l	ND	1
EX17	10/16/2003	Benzene	ug/l	ND	1
EX17	3/27/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX17	5/5/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX17	7/17/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX17	10/16/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX17	3/27/2003	Beryllium, Total	ug/l	2.6	1
EX17	5/5/2003	Beryllium, Total	ug/l	ND	1
EX17	7/17/2003	Beryllium, Total	ug/l	ND	1
EX17	10/16/2003	Beryllium, Total	ug/l	ND	1
EX17	3/27/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX17	5/5/2003	Bis(2-ethylhexyl)phthalate	ug/l	7	6
EX17	7/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX17	10/16/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX17	3/27/2003	Biological Oxygen Demand (BOD)	mg/l	14	3
EX17	5/5/2003	Biological Oxygen Demand (BOD)	mg/l	14	3
EX17	7/17/2003	Biological Oxygen Demand (BOD)	mg/l	26	3
EX17	10/16/2003	Biological Oxygen Demand (BOD)	mg/l	34	3
EX17	3/27/2003	Boron, Dissolved	ug/l	260	10
EX17	5/5/2003	Boron, Dissolved	ug/l	320	10
EX17	7/17/2003	Boron, Dissolved	ug/l	410	10
EX17	10/16/2003	Boron, Dissolved	ug/l	320	10
EX17	3/27/2003	Boron, Total	ug/l	360	10
EX17	5/5/2003	Boron, Total	ug/l	350	10
EX17	7/17/2003	Boron, Total	ug/l	350	10
EX17	10/16/2003	Boron, Total	ug/l	360	10
EX17	3/27/2003	Bromobenzene	ug/l	ND	1
EX17	5/5/2003	Bromobenzene	ug/l	ND	1
EX17	7/17/2003	Bromobenzene	ug/l	ND	1
EX17	10/16/2003	Bromobenzene	ug/l	ND	1
EX17	3/27/2003	Bromochloromethane	ug/l	ND	1
EX17	5/5/2003	Bromochloromethane	ug/l	ND	1
EX17	7/17/2003	Bromochloromethane	ug/l	ND	1
EX17	10/16/2003	Bromochloromethane	ug/l	ND	1
EX17	3/27/2003	Bromodichloromethane	ug/l	ND	1
EX17	5/5/2003	Bromodichloromethane	ug/l	ND	1
EX17	7/17/2003	Bromodichloromethane	ug/l	ND	1
EX17	10/16/2003	Bromodichloromethane	ug/l	ND	1
EX17	3/27/2003	Bromoform	ug/l	ND	1
EX17	5/5/2003	Bromoform	ug/l	ND	1
EX17	7/17/2003	Bromoform	ug/l	ND	1
EX17	10/16/2003	Bromoform	ug/l	ND	1
EX17	3/27/2003	Bromomethane	ug/l	ND	2
EX17	5/5/2003	Bromomethane	ug/l	ND	2
EX17	7/17/2003	Bromomethane	ug/l	ND	2
EX17	10/16/2003	Bromomethane	ug/l	ND	2
EX17	3/27/2003	Cadmium, Dissolved	ug/l	ND	1
EX17	5/5/2003	Cadmium, Dissolved	ug/l	ND	1
EX17	7/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX17	10/16/2003	Cadmium, Dissolved	ug/l	ND	1
EX17	3/27/2003	Cadmium, Total	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX17	5/5/2003	Cadmium, Total	ug/l	ND	1
EX17	7/17/2003	Cadmium, Total	ug/l	ND	1
EX17	10/16/2003	Cadmium, Total	ug/l	ND	1
EX17	3/27/2003	Calcium, Total	mg/l	200	0.1
EX17	5/5/2003	Calcium, Total	mg/l	95	0.1
EX17	7/17/2003	Calcium, Total	mg/l	110	0.1
EX17	10/16/2003	Calcium, Total	mg/l	110	0.1
EX17	3/27/2003	Carbofuran	ug/l	ND	1.5
EX17	5/5/2003	Carbofuran	ug/l	ND	1.5
EX17	7/17/2003	Carbofuran	ug/l	ND	1.5
EX17	10/16/2003	Carbofuran	ug/l	ND	1.5
EX17	3/27/2003	Carbon Disulfide	ug/l	3	1
EX17	5/5/2003	Carbon Disulfide	ug/l	ND	1
EX17	7/17/2003	Carbon Disulfide	ug/l	9	1
EX17	10/16/2003	Carbon Disulfide	ug/l	4	1
EX17	3/27/2003	Carbon Tetrachloride	ug/l	ND	1
EX17	5/5/2003	Carbon Tetrachloride	ug/l	ND	1
EX17	7/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX17	10/16/2003	Carbon Tetrachloride	ug/l	ND	1
EX17	3/27/2003	Chlordane (Tech)	ug/l	ND	0.5
EX17	5/5/2003	Chlordane (Tech)	ug/l	ND	0.5
EX17	7/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX17	10/16/2003	Chlordane (Tech)	ug/l	ND	0.5
EX17	3/27/2003	Chloride, Dissolved	mg/l	16	2.5
EX17	5/5/2003	Chloride, Dissolved	mg/l	11	2.5
EX17	7/17/2003	Chloride, Dissolved	mg/l	8.3	1
EX17	10/16/2003	Chloride, Dissolved	mg/l	6.1	1
EX17	3/27/2003	Chloride, Total	mg/l	12	2.5
EX17	5/5/2003	Chloride, Total	mg/l	10	1
EX17	7/17/2003	Chloride, Total	mg/l	8.4	1
EX17	10/16/2003	Chloride, Total	mg/l	6.1	1
EX17	3/27/2003	Chlorobenzene	ug/l	ND	1
EX17	5/5/2003	Chlorobenzene	ug/l	ND	1
EX17	7/17/2003	Chlorobenzene	ug/l	ND	1
EX17	10/16/2003	Chlorobenzene	ug/l	ND	1
EX17	3/27/2003	Chloroethane	ug/l	ND	2
EX17	5/5/2003	Chloroethane	ug/l	ND	2
EX17	7/17/2003	Chloroethane	ug/l	ND	2
EX17	10/16/2003	Chloroethane	ug/l	ND	2
EX17	3/27/2003	Chloroform	ug/l	1	1
EX17	5/5/2003	Chloroform	ug/l	ND	1
EX17	7/17/2003	Chloroform	ug/l	ND	1
EX17	10/16/2003	Chloroform	ug/l	ND	1
EX17	3/27/2003	Chloromethane	ug/l	ND	2
EX17	5/5/2003	Chloromethane	ug/l	ND	2
EX17	7/17/2003	Chloromethane	ug/l	ND	2
EX17	10/16/2003	Chloromethane	ug/l	ND	2
EX17	3/27/2003	Chromium, Total	ug/l	88	4
EX17	5/5/2003	Chromium, Total	ug/l	18	4
EX17	7/17/2003	Chromium, Total	ug/l	12	4
EX17	10/16/2003	Chromium, Total	ug/l	5.7	4
EX17	3/27/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX17	5/5/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX17	7/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX17	10/16/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX17	3/27/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX17	5/5/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX17	7/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX17	10/16/2003	cis-1,3-Dichloropropene	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX17	3/27/2003	Cobalt, Total	ug/l	26	2
EX17	5/5/2003	Cobalt, Total	ug/l	5.5	2
EX17	7/17/2003	Cobalt, Total	ug/l	3.6	2
EX17	10/16/2003	Cobalt, Total	ug/l	ND	2
EX17	3/27/2003	Chemical Oxygen Demand (COD)	mg/l	ND	6
EX17	5/5/2003	Chemical Oxygen Demand (COD)	mg/l	7.8	6
EX17	7/17/2003	Chemical Oxygen Demand (COD)	mg/l	39	6
EX17	10/16/2003	Chemical Oxygen Demand (COD)	mg/l	27	6
EX17	3/27/2003	Copper, Total	ug/l	140	3
EX17	5/5/2003	Copper, Total	ug/l	11	3
EX17	7/17/2003	Copper, Total	ug/l	5.6	3
EX17	10/16/2003	Copper, Total	ug/l	ND	3
EX17	3/27/2003	Cyanide, Total	mg/l	ND	0.005
EX17	5/5/2003	Cyanide, Total	mg/l	ND	0.005
EX17	7/17/2003	Cyanide, Total	mg/l	ND	0.005
EX17	10/16/2003	Cyanide, Total	mg/l	ND	0.005
EX17	3/27/2003	Dalapon	ug/l	ND	1.5
EX17	5/5/2003	Dalapon	ug/l	ND	1.5
EX17	7/17/2003	Dalapon	ug/l	ND	1.5
EX17	10/16/2003	Dalapon	ug/l	ND	1.5
EX17	3/27/2003	Dibromochloromethane	ug/l	ND	1
EX17	5/5/2003	Dibromochloromethane	ug/l	ND	1
EX17	7/17/2003	Dibromochloromethane	ug/l	ND	1
EX17	10/16/2003	Dibromochloromethane	ug/l	ND	1
EX17	3/27/2003	Dibromomethane	ug/l	ND	1
EX17	5/5/2003	Dibromomethane	ug/l	ND	1
EX17	7/17/2003	Dibromomethane	ug/l	ND	1
EX17	10/16/2003	Dibromomethane	ug/l	ND	1
EX17	3/27/2003	Dichlorodifluoromethane	ug/l	ND	2
EX17	5/5/2003	Dichlorodifluoromethane	ug/l	ND	2
EX17	7/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX17	10/16/2003	Dichlorodifluoromethane	ug/l	ND	2
EX17	3/27/2003	Dieldrin	ug/l	ND	0.1
EX17	5/5/2003	Dieldrin	ug/l	ND	0.1
EX17	7/17/2003	Dieldrin	ug/l	ND	0.1
EX17	10/16/2003	Dieldrin	ug/l	ND	0.1
EX17	3/27/2003	Diethyl phthalate	ug/l	ND	10
EX17	5/5/2003	Diethyl phthalate	ug/l	ND	10
EX17	7/17/2003	Diethyl phthalate	ug/l	ND	10
EX17	10/16/2003	Diethyl phthalate	ug/l	ND	10
EX17	3/27/2003	Dimethyl phthalate	ug/l	ND	10
EX17	5/5/2003	Dimethyl phthalate	ug/l	ND	10
EX17	7/17/2003	Dimethyl phthalate	ug/l	ND	10
EX17	10/16/2003	Dimethyl phthalate	ug/l	ND	10
EX17	3/27/2003	Di-n-butyl phthalate	ug/l	ND	10
EX17	5/5/2003	Di-n-butyl phthalate	ug/l	ND	10
EX17	7/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX17	10/16/2003	Di-n-butyl phthalate	ug/l	ND	10
EX17	3/27/2003	Dinoseb	ug/l	ND	0.2
EX17	5/5/2003	Dinoseb	ug/l	ND	0.2
EX17	7/17/2003	Dinoseb	ug/l	ND	0.2
EX17	10/16/2003	Dinoseb	ug/l	ND	0.2
EX17	3/27/2003	Endothal	ug/l	ND	40
EX17	5/5/2003	Endothal	ug/l	ND	40
EX17	7/17/2003	Endothal	ug/l	ND	40
EX17	10/16/2003	Endothal	ug/l	ND	40
EX17	3/27/2003	Endrin	ug/l	ND	0.1
EX17	5/5/2003	Endrin	ug/l	ND	0.1
EX17	7/17/2003	Endrin	ug/l	ND	0.1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX17	10/16/2003	Endrin	ug/l	ND	0.1
EX17	3/27/2003	Ethylbenzene	ug/l	ND	1
EX17	5/5/2003	Ethylbenzene	ug/l	ND	1
EX17	7/17/2003	Ethylbenzene	ug/l	ND	1
EX17	10/16/2003	Ethylbenzene	ug/l	ND	1
EX17	3/27/2003	Ethylene dibromide	ug/l	ND	0.05
EX17	5/5/2003	Ethylene dibromide	ug/l	ND	0.05
EX17	7/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX17	10/16/2003	Ethylene dibromide	ug/l	ND	0.05
EX17	3/27/2003	Fluoride, Total	mg/l	0.46	0.25
EX17	5/5/2003	Fluoride, Total	mg/l	0.49	0.25
EX17	7/17/2003	Fluoride, Total	mg/l	0.42	0.25
EX17	10/16/2003	Fluoride, Total	mg/l	0.515	0.25
EX17	3/27/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX17	5/5/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX17	7/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX17	10/16/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX17	3/27/2003	Heptachlor	ug/l	ND	0.05
EX17	5/5/2003	Heptachlor	ug/l	ND	0.05
EX17	7/17/2003	Heptachlor	ug/l	ND	0.05
EX17	10/16/2003	Heptachlor	ug/l	ND	0.05
EX17	3/27/2003	Heptachlor epoxide	ug/l	ND	0.05
EX17	5/5/2003	Heptachlor epoxide	ug/l	ND	0.05
EX17	7/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX17	10/16/2003	Heptachlor epoxide	ug/l	ND	0.05
EX17	3/27/2003	Hexachlorobutadiene	ug/l	ND	10
EX17	5/5/2003	Hexachlorobutadiene	ug/l	ND	10
EX17	7/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX17	10/16/2003	Hexachlorobutadiene	ug/l	ND	10
EX17	3/27/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX17	5/5/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX17	7/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX17	10/16/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX17	3/27/2003	Iodomethane	ug/l	ND	1
EX17	5/5/2003	Iodomethane	ug/l	ND	1
EX17	7/17/2003	Iodomethane	ug/l	ND	1
EX17	10/16/2003	Iodomethane	ug/l	ND	1
EX17	3/27/2003	Iron, Dissolved	ug/l	400	10
EX17	5/5/2003	Iron, Dissolved	ug/l	2200	10
EX17	7/17/2003	Iron, Dissolved	ug/l	1200	10
EX17	10/16/2003	Iron, Dissolved	ug/l	6800	10
EX17	3/27/2003	Iron, Total	ug/l	79000	10
EX17	5/5/2003	Iron, Total	ug/l	8700	10
EX17	7/17/2003	Iron, Total	ug/l	8900	10
EX17	10/16/2003	Iron, Total	ug/l	11000	10
EX17	3/27/2003	Isophorone	ug/l	ND	10
EX17	5/5/2003	Isophorone	ug/l	ND	10
EX17	7/17/2003	Isophorone	ug/l	ND	10
EX17	10/16/2003	Isophorone	ug/l	ND	10
EX17	3/27/2003	Isopropylbenzene	ug/l	ND	1
EX17	5/5/2003	Isopropylbenzene	ug/l	ND	1
EX17	7/17/2003	Isopropylbenzene	ug/l	ND	1
EX17	10/16/2003	Isopropylbenzene	ug/l	ND	1
EX17	3/27/2003	Lead, Total	ug/l	46	2
EX17	5/5/2003	Lead, Total	ug/l	1.8	1
EX17	7/17/2003	Lead, Total	ug/l	ND	1
EX17	10/16/2003	Lead, Total	ug/l	ND	1
EX17	3/27/2003	Lead, Dissolved	ug/l	ND	1
EX17	5/5/2003	Lead, Dissolved	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX17	7/17/2003	Lead, Dissolved	ug/l	ND	1
EX17	10/16/2003	Lead, Dissolved	ug/l	ND	1
EX17	3/27/2003	Magnesium, Total	mg/l	94	0.1
EX17	5/5/2003	Magnesium, Total	mg/l	56	0.1
EX17	7/17/2003	Magnesium, Total	mg/l	57	0.1
EX17	10/16/2003	Magnesium, Total	mg/l	55	0.1
EX17	3/27/2003	Manganese, Dissolved	ug/l	270	1
EX17	5/5/2003	Manganese, Dissolved	ug/l	200	1
EX17	7/17/2003	Manganese, Dissolved	ug/l	150	1
EX17	10/16/2003	Manganese, Dissolved	ug/l	100	1
EX17	3/27/2003	Manganese, Total	ug/l	1100	1
EX17	5/5/2003	Manganese, Total	ug/l	250	1
EX17	7/17/2003	Manganese, Total	ug/l	170	1
EX17	10/16/2003	Manganese, Total	ug/l	100	1
EX17	3/27/2003	Mercury, Dissolved	ug/l	ND	0.2
EX17	5/5/2003	Mercury, Dissolved	ug/l	ND	0.2
EX17	7/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX17	10/16/2003	Mercury, Dissolved	ug/l	ND	0.2
EX17	3/27/2003	Mercury, Total	ug/l	ND	0.2
EX17	5/5/2003	Mercury, Total	ug/l	ND	0.2
EX17	7/17/2003	Mercury, Total	ug/l	ND	0.2
EX17	10/16/2003	Mercury, Total	ug/l	ND	0.2
EX17	3/27/2003	Methoxychlor	ug/l	ND	0.5
EX17	5/5/2003	Methoxychlor	ug/l	ND	0.5
EX17	7/17/2003	Methoxychlor	ug/l	ND	0.5
EX17	10/16/2003	Methoxychlor	ug/l	ND	0.5
EX17	3/27/2003	Methylene Chloride	ug/l	ND	5
EX17	5/5/2003	Methylene Chloride	ug/l	ND	5
EX17	7/17/2003	Methylene Chloride	ug/l	ND	5
EX17	10/16/2003	Methylene Chloride	ug/l	ND	5
EX17	3/27/2003	Naphthalene	ug/l	ND	10
EX17	5/5/2003	Naphthalene	ug/l	ND	10
EX17	7/17/2003	Naphthalene	ug/l	ND	10
EX17	10/16/2003	Naphthalene	ug/l	ND	10
EX17	3/27/2003	n-Butylbenzene	ug/l	ND	1
EX17	5/5/2003	n-Butylbenzene	ug/l	ND	1
EX17	7/17/2003	n-Butylbenzene	ug/l	ND	1
EX17	10/16/2003	n-Butylbenzene	ug/l	ND	1
EX17	3/27/2003	Nickel, Total	ug/l	180	5
EX17	5/5/2003	Nickel, Total	ug/l	120	5
EX17	7/17/2003	Nickel, Total	ug/l	82	5
EX17	10/16/2003	Nickel, Total	ug/l	17	5
EX17	3/27/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX17	5/5/2003	Nitrate/Nitrite as N Dissolved	mg/l	0.049	0.02
EX17	7/17/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX17	10/16/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX17	3/27/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX17	5/5/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX17	7/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX17	10/16/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX17	3/27/2003	n-Propylbenzene	ug/l	ND	1
EX17	5/5/2003	n-Propylbenzene	ug/l	ND	1
EX17	7/17/2003	n-Propylbenzene	ug/l	ND	1
EX17	10/16/2003	n-Propylbenzene	ug/l	ND	1
EX17	3/27/2003	Oil and Grease, Total	mg/l	ND	5
EX17	5/5/2003	Oil and Grease, Total	mg/l	13	5
EX17	7/17/2003	Oil and Grease, Total	mg/l	19	5
EX17	10/16/2003	Oil and Grease, Total	mg/l	ND	5
EX17	3/27/2003	o-Xylene	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX17	5/5/2003	o-Xylene	ug/l	ND	1
EX17	7/17/2003	o-Xylene	ug/l	ND	1
EX17	10/16/2003	o-Xylene	ug/l	ND	1
EX17	3/27/2003	Parathion	ug/l	ND	0.2
EX17	5/5/2003	Parathion	ug/l	ND	0.2
EX17	7/17/2003	Parathion	ug/l	ND	0.2
EX17	10/16/2003	Parathion	ug/l	ND	0.2
EX17	3/27/2003	Pentachlorophenol	ug/l	ND	0.05
EX17	5/5/2003	Pentachlorophenol	ug/l	ND	0.05
EX17	7/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX17	10/16/2003	Pentachlorophenol	ug/l	ND	0.05
EX17	10/16/2003	pH, Field Aqueous	s.u.	6.69	
EX17	3/27/2003	pH, Field Aqueous	s.u.	7.1	
EX17	5/5/2003	pH, Field Aqueous	s.u.	6.93	
EX17	7/17/2003	pH, Field Aqueous	s.u.	6.79	
EX17	3/27/2003	Phenols, Total	mg/l	ND	0.005
EX17	5/5/2003	Phenols, Total	mg/l	ND	0.005
EX17	7/17/2003	Phenols, Total	mg/l	ND	0.005
EX17	10/16/2003	Phenols, Total	mg/l	ND	0.005
EX17	3/27/2003	Picloram	ug/l	ND	0.2
EX17	5/5/2003	Picloram	ug/l	ND	0.2
EX17	7/17/2003	Picloram	ug/l	ND	0.2
EX17	10/16/2003	Picloram	ug/l	ND	0.2
EX17	3/27/2003	p-Isopropyltoluene	ug/l	ND	1
EX17	5/5/2003	p-Isopropyltoluene	ug/l	ND	1
EX17	7/17/2003	p-Isopropyltoluene	ug/l	ND	1
EX17	10/16/2003	p-Isopropyltoluene	ug/l	ND	1
EX17	3/27/2003	Potassium, Total	mg/l	19	0.1
EX17	5/5/2003	Potassium, Total	mg/l	9.1	0.1
EX17	7/17/2003	Potassium, Total	mg/l	7.5	0.1
EX17	10/16/2003	Potassium, Total	mg/l	5.8	0.1
EX17	3/27/2003	p-Xylene	ug/l	ND	1
EX17	5/5/2003	p-Xylene	ug/l	ND	1
EX17	7/17/2003	p-Xylene	ug/l	ND	1
EX17	10/16/2003	p-Xylene	ug/l	ND	1
EX17	3/27/2003	sec-Butylbenzene	ug/l	ND	1
EX17	5/5/2003	sec-Butylbenzene	ug/l	ND	1
EX17	7/17/2003	sec-Butylbenzene	ug/l	ND	1
EX17	10/16/2003	sec-Butylbenzene	ug/l	ND	1
EX17	3/27/2003	Selenium, Total	ug/l	2.2	1
EX17	5/5/2003	Selenium, Total	ug/l	ND	1
EX17	7/17/2003	Selenium, Total	ug/l	ND	1
EX17	10/16/2003	Selenium, Total	ug/l	ND	1
EX17	3/27/2003	Silver, Total	ug/l	ND	5
EX17	5/5/2003	Silver, Total	ug/l	ND	5
EX17	7/17/2003	Silver, Total	ug/l	ND	5
EX17	10/16/2003	Silver, Total	ug/l	ND	5
EX17	3/27/2003	Silvex	ug/l	ND	0.05
EX17	5/5/2003	Silvex	ug/l	ND	0.05
EX17	7/17/2003	Silvex	ug/l	ND	0.05
EX17	10/16/2003	Silvex	ug/l	ND	0.05
EX17	3/27/2003	Simazine	ug/l	ND	0.2
EX17	5/5/2003	Simazine	ug/l	ND	0.2
EX17	7/17/2003	Simazine	ug/l	ND	0.2
EX17	10/16/2003	Simazine	ug/l	ND	0.2
EX17	3/27/2003	Sodium, Total	mg/l	35	0.1
EX17	5/5/2003	Sodium, Total	mg/l	38	0.1
EX17	7/17/2003	Sodium, Total	mg/l	41	0.1
EX17	10/16/2003	Sodium, Total	mg/l	40	0.1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX17	10/16/2003	Specific Conductance, Field	umhos/cm	855	
EX17	3/27/2003	Specific Conductance, Field	umhos/cm	600	
EX17	5/ 5/2003	Specific Conductance, Field	umhos/cm	740	
EX17	7/17/2003	Specific Conductance, Field		995	
EX17	3/27/2003	Styrene	ug/l	ND	1
EX17	5/5/2003	Styrene	ug/l	ND	1
EX17	7/17/2003	Styrene	ug/l	ND	1
EX17	10/16/2003	Styrene	ug/l	ND	1
EX17	3/27/2003	Sulfate, Dissolved	mg/l	18	7
EX17	5/5/2003	Sulfate, Dissolved	mg/l	22	7
EX17	7/17/2003	Sulfate, Dissolved	mg/l	15	7
EX17	10/16/2003	Sulfate, Dissolved	mg/l	11	7
EX17	3/27/2003	Sulfate, Total	mg/l	25	7
EX17	5/5/2003	Sulfate, Total	mg/l	21	7
EX17	7/17/2003	Sulfate, Total	mg/l	16	7
EX17	10/16/2003	Sulfate, Total	mg/l	10	7
EX17	3/27/2003	tert-Butylbenzene	ug/l	ND	1
EX17	5/5/2003	tert-Butylbenzene	ug/l	ND	1
EX17	7/17/2003	tert-Butylbenzene	ug/l	ND	1
EX17	10/16/2003	tert-Butylbenzene	ug/l	ND	1
EX17	3/27/2003	Tetrachloroethene	ug/l	ND	1
EX17	5/5/2003	Tetrachloroethene	ug/l	ND	1
EX17	7/17/2003	Tetrachloroethene	ug/l	ND	1
EX17	10/16/2003	Tetrachloroethene	ug/l	ND	1
EX17	3/27/2003	Tetrahydrofuran	ug/l	ND	20
EX17	5/5/2003	Tetrahydrofuran	ug/l	ND	20
EX17	7/17/2003	Tetrahydrofuran	ug/l	ND	20
EX17	10/16/2003	Tetrahydrofuran	ug/l	ND	20
EX17	3/27/2003	Thallium, Total	ug/l	ND	1
EX17	5/5/2003	Thallium, Total	ug/l	ND	1
EX17	7/17/2003	Thallium, Total	ug/l	ND	1
EX17	10/16/2003	Thallium, Total	ug/l	ND	1
EX17	3/27/2003	Total Organic Carbon (TOC)	mg/l	12	0.5
EX17	5/5/2003	Total Organic Carbon (TOC)	mg/l	7.5	0.5
EX17	7/17/2003	Total Organic Carbon (TOC)	mg/l	8.5	0.5
EX17	10/16/2003	Total Organic Carbon (TOC)	mg/l	6.9	0.5
EX17	3/27/2003	Toluene	ug/l	ND	1
EX17	5/5/2003	Toluene	ug/l	ND	1
EX17	7/17/2003	Toluene	ug/l	ND	1
EX17	10/16/2003	Toluene	ug/l	ND	1
EX17	3/27/2003	Total Dissolved Solids	mg/l	580	17
EX17	5/5/2003	Total Dissolved Solids	mg/l	600	17
EX17	7/17/2003	Total Dissolved Solids	mg/l	620	17
EX17	10/16/2003	Total Dissolved Solids	mg/l	570	51
EX17	3/27/2003	Toxaphene	ug/l	ND	1.5
EX17	5/5/2003	Toxaphene	ug/l	ND	1.5
EX17	7/17/2003	Toxaphene	ug/l	ND	1.5
EX17	10/16/2003	Toxaphene	ug/l	ND	1.5
EX17	3/27/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX17	5/5/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX17	7/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX17	10/16/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX17	3/27/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX17	5/5/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX17	7/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX17	10/16/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX17	3/27/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX17	5/5/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX17	7/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX17	10/16/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX17	3/27/2003	Trichloroethene	ug/l	ND	1
EX17	5/5/2003	Trichloroethene	ug/l	ND	1
EX17	7/17/2003	Trichloroethene	ug/l	ND	1
EX17	10/16/2003	Trichloroethene	ug/l	ND	1
EX17	3/27/2003	Trichlorofluoromethane	ug/l	ND	1
EX17	5/5/2003	Trichlorofluoromethane	ug/l	ND	1
EX17	7/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX17	10/16/2003	Trichlorofluoromethane	ug/l	ND	1
EX17	3/27/2003	Vanadium, Total	ug/l	75	5
EX17	5/5/2003	Vanadium, Total	ug/l	7.4	5
EX17	7/17/2003	Vanadium, Total	ug/l	ND	5
EX17	10/16/2003	Vanadium, Total	ug/l	ND	5
EX17	3/27/2003	Vinyl Acetate	ug/l	ND	5
EX17	5/5/2003	Vinyl Acetate	ug/l	ND	5
EX17	7/17/2003	Vinyl Acetate	ug/l	ND	5
EX17	10/16/2003	Vinyl Acetate	ug/l	ND	5
EX17	3/27/2003	Vinyl Chloride	ug/l	ND	2
EX17	5/5/2003	Vinyl Chloride	ug/l	ND	2
EX17	7/17/2003	Vinyl Chloride	ug/l	ND	2
EX17	10/16/2003	Vinyl Chloride	ug/l	ND	2
EX17	3/27/2003	Xylenes, Total	ug/l	ND	3
EX17	5/5/2003	Xylenes, Total	ug/l	ND	3
EX17	7/17/2003	Xylenes, Total	ug/l	ND	3
EX17	10/16/2003	Xylenes, Total	ug/l	ND	3
EX17	3/27/2003	Zinc, Total	ug/l	170	6
EX17	5/5/2003	Zinc, Total	ug/l	37	6
EX17	7/17/2003	Zinc, Total	ug/l	19	6
EX17	10/16/2003	Zinc, Total	ug/l	14	6
EX17	3/27/2003	Zinc, Dissolved	ug/l	23	6
EX17	5/5/2003	Zinc, Dissolved	ug/l	14	6
EX17	7/17/2003	Zinc, Dissolved	ug/l	8.7	6
EX17	10/16/2003	Zinc, Dissolved	ug/l	20	6
EX22D	3/27/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX22D	5/5/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX22D	7/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX22D	10/16/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX22D	3/27/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX22D	5/5/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX22D	7/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX22D	10/16/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX22D	3/27/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX22D	5/5/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX22D	7/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX22D	10/16/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX22D	3/27/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX22D	5/5/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX22D	7/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX22D	10/16/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX22D	3/27/2003	1,1-Dichloroethane	ug/l	ND	1
EX22D	5/5/2003	1,1-Dichloroethane	ug/l	ND	1
EX22D	7/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX22D	10/16/2003	1,1-Dichloroethane	ug/l	ND	1
EX22D	3/27/2003	1,1-Dichloroethene	ug/l	ND	1
EX22D	5/5/2003	1,1-Dichloroethene	ug/l	ND	1
EX22D	7/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX22D	10/16/2003	1,1-Dichloroethene	ug/l	ND	1
EX22D	3/27/2003	1,1-Dichloropropene	ug/l	ND	1
EX22D	5/5/2003	1,1-Dichloropropene	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX22D	7/17/2003	1,1-Dichloropropene	ug/l	ND	1
EX22D	10/16/2003	1,1-Dichloropropene	ug/l	ND	1
EX22D	3/27/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX22D	5/5/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX22D	7/17/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX22D	10/16/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX22D	3/27/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX22D	5/5/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX22D	7/17/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX22D	10/16/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX22D	3/27/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX22D	5/5/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX22D	7/17/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX22D	10/16/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX22D	3/27/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX22D	5/5/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX22D	7/17/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX22D	10/16/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX22D	3/27/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX22D	5/5/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX22D	7/17/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX22D	10/16/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX22D	3/27/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX22D	5/5/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX22D	7/17/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX22D	10/16/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX22D	3/27/2003	1,2-Dichloroethane	ug/l	ND	1
EX22D	5/5/2003	1,2-Dichloroethane	ug/l	ND	1
EX22D	7/17/2003	1,2-Dichloroethane	ug/l	ND	1
EX22D	10/16/2003	1,2-Dichloroethane	ug/l	ND	1
EX22D	3/27/2003	1,2-Dichloropropane	ug/l	ND	1
EX22D	5/5/2003	1,2-Dichloropropane	ug/l	ND	1
EX22D	7/17/2003	1,2-Dichloropropane	ug/l	ND	1
EX22D	10/16/2003	1,2-Dichloropropane	ug/l	ND	1
EX22D	3/27/2003	1,3 Dichloropropane	ug/l	ND	1
EX22D	5/5/2003	1,3 Dichloropropane	ug/l	ND	1
EX22D	7/17/2003	1,3 Dichloropropane	ug/l	ND	1
EX22D	10/16/2003	1,3 Dichloropropane	ug/l	ND	1
EX22D	3/27/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX22D	5/5/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX22D	7/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX22D	10/16/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX22D	3/27/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX22D	5/5/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX22D	7/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX22D	10/16/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX22D	3/27/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX22D	5/5/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX22D	7/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX22D	10/16/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX22D	3/27/2003	2,2-Dichloropropane	ug/l	ND	1
EX22D	5/5/2003	2,2-Dichloropropane	ug/l	ND	1
EX22D	7/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX22D	10/16/2003	2,2-Dichloropropane	ug/l	ND	1
EX22D	3/27/2003	2,4-D	ug/l	ND	0.1
EX22D	5/5/2003	2,4-D	ug/l	ND	0.1
EX22D	7/17/2003	2,4-D	ug/l	ND	0.1
EX22D	10/16/2003	2,4-D	ug/l	ND	0.1
EX22D	3/27/2003	2-Butanone (MEK)	ug/l	ND	5

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX22D	5/5/2003	2-Butanone (MEK)	ug/l	ND	5
EX22D	7/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX22D	10/16/2003	2-Butanone (MEK)	ug/l	ND	5
EX22D	3/27/2003	2-Chlorotoluene	ug/l	ND	1
EX22D	5/5/2003	2-Chlorotoluene	ug/l	ND	1
EX22D	7/17/2003	2-Chlorotoluene	ug/l	ND	1
EX22D	10/16/2003	2-Chlorotoluene	ug/l	ND	1
EX22D	3/27/2003	2-Hexanone (MBK)	ug/l	ND	5
EX22D	5/5/2003	2-Hexanone (MBK)	ug/l	ND	5
EX22D	7/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX22D	10/16/2003	2-Hexanone (MBK)	ug/l	ND	5
EX22D	3/27/2003	4,4'-DDT	ug/l	ND	0.1
EX22D	5/5/2003	4,4'-DDT	ug/l	ND	0.1
EX22D	7/17/2003	4,4'-DDT	ug/l	ND	0.1
EX22D	10/16/2003	4,4'-DDT	ug/l	ND	0.1
EX22D	3/27/2003	4-Chlorotoluene	ug/l	ND	1
EX22D	5/5/2003	4-Chlorotoluene	ug/l	ND	1
EX22D	7/17/2003	4-Chlorotoluene	ug/l	ND	1
EX22D	10/16/2003	4-Chlorotoluene	ug/l	ND	1
EX22D	3/27/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX22D	5/5/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX22D	7/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX22D	10/16/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX22D	3/27/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX22D	5/5/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX22D	7/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX22D	10/16/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX22D	3/27/2003	Acetone	ug/l	ND	10
EX22D	5/5/2003	Acetone	ug/l	ND	10
EX22D	7/17/2003	Acetone	ug/l	ND	10
EX22D	10/16/2003	Acetone	ug/l	ND	10
EX22D	3/27/2003	Acrolein	ug/l	ND	50
EX22D	5/5/2003	Acrolein	ug/l	ND	50
EX22D	7/17/2003	Acrolein	ug/l	ND	50
EX22D	10/16/2003	Acrolein	ug/l	ND	50
EX22D	3/27/2003	Acrylonitrile	ug/l	ND	50
EX22D	5/5/2003	Acrylonitrile	ug/l	ND	50
EX22D	7/17/2003	Acrylonitrile	ug/l	ND	50
EX22D	10/16/2003	Acrylonitrile	ug/l	ND	50
EX22D	3/27/2003	Alachlor	ug/l	ND	0.4
EX22D	5/5/2003	Alachlor	ug/l	ND	0.4
EX22D	7/17/2003	Alachlor	ug/l	ND	0.4
EX22D	10/16/2003	Alachlor	ug/l	ND	0.4
EX22D	3/27/2003	Aldicarb	ug/l	ND	0.4
EX22D	5/5/2003	Aldicarb	ug/l	ND	0.4
EX22D	7/17/2003	Aldicarb	ug/l	ND	0.4
EX22D	10/16/2003	Aldicarb	ug/l	ND	0.4
EX22D	3/27/2003	Aldrin	ug/l	ND	0.05
EX22D	5/5/2003	Aldrin	ug/l	ND	0.05
EX22D	7/17/2003	Aldrin	ug/l	ND	0.05
EX22D	10/16/2003	Aldrin	ug/l	ND	0.05
EX22D	3/27/2003	Aluminum, Total	ug/l	2200	20
EX22D	5/5/2003	Aluminum, Total	ug/l	14000	10
EX22D	7/17/2003	Aluminum, Total	ug/l	1400	10
EX22D	10/16/2003	Aluminum, Total	ug/l	1100	10
EX22D	3/27/2003	Ammonia, Dissolved	mg/l	5.1	0.5
EX22D	5/5/2003	Ammonia, Dissolved	mg/l	5.1	0.05
EX22D	7/17/2003	Ammonia, Dissolved	mg/l	4.8	0.05
EX22D	10/16/2003	Ammonia, Dissolved	mg/l	3.2	0.05

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX22D	3/27/2003	Ammonia, Total	mg/l	5.3	0.5
EX22D	5/5/2003	Ammonia, Total	mg/l	5.3	0.05
EX22D	7/17/2003	Ammonia, Total	mg/l	4.5	0.05
EX22D	10/16/2003	Ammonia, Total	mg/l	3.8	0.05
EX22D	3/27/2003	Antimony, Total	ug/l	ND	3
EX22D	5/5/2003	Antimony, Total	ug/l	ND	3
EX22D	7/17/2003	Antimony, Total	ug/l	ND	3
EX22D	10/16/2003	Antimony, Total	ug/l	ND	3
EX22D	3/27/2003	Aroclor 1016	ug/l	ND	0.5
EX22D	5/5/2003	Aroclor 1016	ug/l	ND	0.5
EX22D	7/17/2003	Aroclor 1016	ug/l	ND	0.5
EX22D	10/16/2003	Aroclor 1016	ug/l	ND	0.5
EX22D	3/27/2003	Aroclor 1221	ug/l	ND	0.5
EX22D	5/5/2003	Aroclor 1221	ug/l	ND	0.5
EX22D	7/17/2003	Aroclor 1221	ug/l	ND	0.5
EX22D	10/16/2003	Aroclor 1221	ug/l	ND	0.5
EX22D	3/27/2003	Aroclor 1232	ug/l	ND	0.5
EX22D	5/5/2003	Aroclor 1232	ug/l	ND	0.5
EX22D	7/17/2003	Aroclor 1232	ug/l	ND	0.5
EX22D	10/16/2003	Aroclor 1232	ug/l	ND	0.5
EX22D	3/27/2003	Aroclor 1242	ug/l	ND	0.5
EX22D	5/5/2003	Aroclor 1242	ug/l	ND	0.5
EX22D	7/17/2003	Aroclor 1242	ug/l	ND	0.5
EX22D	10/16/2003	Aroclor 1242	ug/l	ND	0.5
EX22D	3/27/2003	Aroclor 1248	ug/l	ND	0.5
EX22D	5/5/2003	Aroclor 1248	ug/l	ND	0.5
EX22D	7/17/2003	Aroclor 1248	ug/l	ND	0.5
EX22D	10/16/2003	Aroclor 1248	ug/l	ND	0.5
EX22D	3/27/2003	Aroclor 1254	ug/l	ND	0.5
EX22D	5/5/2003	Aroclor 1254	ug/l	ND	0.5
EX22D	7/17/2003	Aroclor 1254	ug/l	ND	0.5
EX22D	10/16/2003	Aroclor 1254	ug/l	ND	0.5
EX22D	3/27/2003	Aroclor 1260	ug/l	ND	0.5
EX22D	5/5/2003	Aroclor 1260	ug/l	ND	0.5
EX22D	7/17/2003	Aroclor 1260	ug/l	ND	0.5
EX22D	10/16/2003	Aroclor 1260	ug/l	ND	0.5
EX22D	3/27/2003	Arsenic, Total	ug/l	73	1
EX22D	5/5/2003	Arsenic, Total	ug/l	76	1
EX22D	7/17/2003	Arsenic, Total	ug/l	72	1
EX22D	10/16/2003	Arsenic, Total	ug/l	71	1
EX22D	3/27/2003	Arsenic, Dissolved	ug/l	70	1
EX22D	5/5/2003	Arsenic, Dissolved	ug/l	39	1
EX22D	7/17/2003	Arsenic, Dissolved	ug/l	74	1
EX22D	10/16/2003	Arsenic, Dissolved	ug/l	75	1
EX22D	3/27/2003	Atrazine	ug/l	ND	0.2
EX22D	5/5/2003	Atrazine	ug/l	ND	0.2
EX22D	7/17/2003	Atrazine	ug/l	ND	0.2
EX22D	10/16/2003	Atrazine	ug/l	ND	0.2
EX22D	3/27/2003	Barium, Total	ug/l	160	1
EX22D	5/5/2003	Barium, Total	ug/l	240	1
EX22D	7/17/2003	Barium, Total	ug/l	150	1
EX22D	10/16/2003	Barium, Total	ug/l	150	1
EX22D	3/27/2003	Benzene	ug/l	ND	1
EX22D	5/5/2003	Benzene	ug/l	ND	1
EX22D	7/17/2003	Benzene	ug/l	ND	1
EX22D	10/16/2003	Benzene	ug/l	ND	1
EX22D	3/27/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX22D	5/5/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX22D	7/17/2003	Benzo(a)pyrene	ug/l	ND	0.2

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX22D	10/16/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX22D	3/27/2003	Beryllium, Total	ug/l	ND	1
EX22D	5/5/2003	Beryllium, Total	ug/l	ND	1
EX22D	7/17/2003	Beryllium, Total	ug/l	ND	1
EX22D	10/16/2003	Beryllium, Total	ug/l	ND	1
EX22D	3/27/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX22D	5/5/2003	Bis(2-ethylhexyl)phthalate	ug/l	6.4	6
EX22D	7/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX22D	10/16/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX22D	3/27/2003	Biological Oxygen Demand (BOD)	mg/l	20	3
EX22D	5/5/2003	Biological Oxygen Demand (BOD)	mg/l	15	3
EX22D	7/17/2003	Biological Oxygen Demand (BOD)	mg/l	21	3
EX22D	10/16/2003	Biological Oxygen Demand (BOD)	mg/l	37	3
EX22D	3/27/2003	Boron, Dissolved	ug/l	250	10
EX22D	5/5/2003	Boron, Dissolved	ug/l	290	10
EX22D	7/17/2003	Boron, Dissolved	ug/l	350	10
EX22D	10/16/2003	Boron, Dissolved	ug/l	330	10
EX22D	3/27/2003	Boron, Total	ug/l	260	10
EX22D	5/5/2003	Boron, Total	ug/l	330	10
EX22D	7/17/2003	Boron, Total	ug/l	280	10
EX22D	10/16/2003	Boron, Total	ug/l	310	10
EX22D	3/27/2003	Bromobenzene	ug/l	ND	1
EX22D	5/5/2003	Bromobenzene	ug/l	ND	1
EX22D	7/17/2003	Bromobenzene	ug/l	ND	1
EX22D	10/16/2003	Bromobenzene	ug/l	ND	1
EX22D	3/27/2003	Bromochloromethane	ug/l	ND	1
EX22D	5/5/2003	Bromochloromethane	ug/l	ND	1
EX22D	7/17/2003	Bromochloromethane	ug/l	ND	1
EX22D	10/16/2003	Bromochloromethane	ug/l	ND	1
EX22D	3/27/2003	Bromodichloromethane	ug/l	ND	1
EX22D	5/5/2003	Bromodichloromethane	ug/l	ND	1
EX22D	7/17/2003	Bromodichloromethane	ug/l	ND	1
EX22D	10/16/2003	Bromodichloromethane	ug/l	ND	1
EX22D	3/27/2003	Bromoform	ug/l	ND	1
EX22D	5/5/2003	Bromoform	ug/l	ND	1
EX22D	7/17/2003	Bromoform	ug/l	ND	1
EX22D	10/16/2003	Bromoform	ug/l	ND	1
EX22D	3/27/2003	Bromomethane	ug/l	ND	2
EX22D	5/5/2003	Bromomethane	ug/l	ND	2
EX22D	7/17/2003	Bromomethane	ug/l	ND	2
EX22D	10/16/2003	Bromomethane	ug/l	ND	2
EX22D	3/27/2003	Cadmium, Dissolved	ug/l	ND	1
EX22D	5/5/2003	Cadmium, Dissolved	ug/l	ND	1
EX22D	7/17/2003	Cadmium, Dissolved	ug/l	1	1
EX22D	10/16/2003	Cadmium, Dissolved	ug/l	ND	1
EX22D	3/27/2003	Cadmium, Total	ug/l	ND	1
EX22D	5/5/2003	Cadmium, Total	ug/l	ND	1
EX22D	7/17/2003	Cadmium, Total	ug/l	ND	1
EX22D	10/16/2003	Cadmium, Total	ug/l	ND	1
EX22D	3/27/2003	Calcium, Total	mg/l	90	0.1
EX22D	5/5/2003	Calcium, Total	mg/l	140	0.1
EX22D	7/17/2003	Calcium, Total	mg/l	88	0.1
EX22D	10/16/2003	Calcium, Total	mg/l	85	0.1
EX22D	3/27/2003	Carbofuran	ug/l	ND	1.5
EX22D	5/5/2003	Carbofuran	ug/l	ND	1.5
EX22D	7/17/2003	Carbofuran	ug/l	ND	1.5
EX22D	10/16/2003	Carbofuran	ug/l	ND	1.5
EX22D	3/27/2003	Carbon Disulfide	ug/l	ND	1
EX22D	5/5/2003	Carbon Disulfide	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX22D	7/17/2003	Carbon Disulfide	ug/l	ND	1
EX22D	10/16/2003	Carbon Disulfide	ug/l	ND	1
EX22D	3/27/2003	Carbon Tetrachloride	ug/l	ND	1
EX22D	5/5/2003	Carbon Tetrachloride	ug/l	ND	1
EX22D	7/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX22D	10/16/2003	Carbon Tetrachloride	ug/l	ND	1
EX22D	3/27/2003	Chlordane (Tech)	ug/l	ND	0.5
EX22D	5/5/2003	Chlordane (Tech)	ug/l	ND	0.5
EX22D	7/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX22D	10/16/2003	Chlordane (Tech)	ug/l	ND	0.5
EX22D	3/27/2003	Chloride, Dissolved	mg/l	1.9	1
EX22D	5/5/2003	Chloride, Dissolved	mg/l	1.8	1
EX22D	7/17/2003	Chloride, Dissolved	mg/l	1.5	1
EX22D	10/16/2003	Chloride, Dissolved	mg/l	1.8	0.5
EX22D	3/27/2003	Chloride, Total	mg/l	1.9	1
EX22D	5/5/2003	Chloride, Total	mg/l	1.6	1
EX22D	7/17/2003	Chloride, Total	mg/l	1.4	1
EX22D	10/16/2003	Chloride, Total	mg/l	1.8	0.5
EX22D	3/27/2003	Chlorobenzene	ug/l	ND	1
EX22D	5/5/2003	Chlorobenzene	ug/l	ND	1
EX22D	7/17/2003	Chlorobenzene	ug/l	ND	1
EX22D	10/16/2003	Chlorobenzene	ug/l	ND	1
EX22D	3/27/2003	Chloroethane	ug/l	ND	2
EX22D	5/5/2003	Chloroethane	ug/l	ND	2
EX22D	7/17/2003	Chloroethane	ug/l	ND	2
EX22D	10/16/2003	Chloroethane	ug/l	ND	2
EX22D	3/27/2003	Chloroform	ug/l	ND	1
EX22D	5/5/2003	Chloroform	ug/l	ND	1
EX22D	7/17/2003	Chloroform	ug/l	ND	1
EX22D	10/16/2003	Chloroform	ug/l	ND	1
EX22D	3/27/2003	Chloromethane	ug/l	ND	2
EX22D	5/5/2003	Chloromethane	ug/l	ND	2
EX22D	7/17/2003	Chloromethane	ug/l	ND	2
EX22D	10/16/2003	Chloromethane	ug/l	ND	2
EX22D	3/27/2003	Chromium, Total	ug/l	6.1	4
EX22D	5/5/2003	Chromium, Total	ug/l	28	4
EX22D	7/17/2003	Chromium, Total	ug/l	ND	4
EX22D	10/16/2003	Chromium, Total	ug/l	ND	4
EX22D	3/27/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX22D	5/5/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX22D	7/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX22D	10/16/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX22D	3/27/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX22D	5/5/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX22D	7/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX22D	10/16/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX22D	3/27/2003	Cobalt, Total	ug/l	ND	2
EX22D	5/5/2003	Cobalt, Total	ug/l	7	2
EX22D	7/17/2003	Cobalt, Total	ug/l	ND	2
EX22D	10/16/2003	Cobalt, Total	ug/l	ND	2
EX22D	3/27/2003	Chemical Oxygen Demand (COD)	mg/l	ND	6
EX22D	5/5/2003	Chemical Oxygen Demand (COD)	mg/l	7	6
EX22D	7/17/2003	Chemical Oxygen Demand (COD)	mg/l	9	6
EX22D	10/16/2003	Chemical Oxygen Demand (COD)	mg/l	8	6
EX22D	3/27/2003	Copper, Total	ug/l	8.9	3
EX22D	5/5/2003	Copper, Total	ug/l	18	3
EX22D	7/17/2003	Copper, Total	ug/l	ND	3
EX22D	10/16/2003	Copper, Total	ug/l	ND	3
EX22D	3/27/2003	Cyanide, Total	mg/l	ND	0.005

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX22D	5/5/2003	Cyanide, Total	mg/l	ND	0.005
EX22D	7/17/2003	Cyanide, Total	mg/l	ND	0.005
EX22D	10/16/2003	Cyanide, Total	mg/l	ND	0.005
EX22D	3/27/2003	Dalapon	ug/l	ND	1.5
EX22D	5/5/2003	Dalapon	ug/l	ND	1.5
EX22D	7/17/2003	Dalapon	ug/l	ND	1.5
EX22D	10/16/2003	Dalapon	ug/l	ND	1.5
EX22D	3/27/2003	Dibromochloromethane	ug/l	ND	1
EX22D	5/5/2003	Dibromochloromethane	ug/l	ND	1
EX22D	7/17/2003	Dibromochloromethane	ug/l	ND	1
EX22D	10/16/2003	Dibromochloromethane	ug/l	ND	1
EX22D	3/27/2003	Dibromomethane	ug/l	ND	1
EX22D	5/5/2003	Dibromomethane	ug/l	ND	1
EX22D	7/17/2003	Dibromomethane	ug/l	ND	1
EX22D	10/16/2003	Dibromomethane	ug/l	ND	1
EX22D	3/27/2003	Dichlorodifluoromethane	ug/l	ND	2
EX22D	5/5/2003	Dichlorodifluoromethane	ug/l	ND	2
EX22D	7/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX22D	10/16/2003	Dichlorodifluoromethane	ug/l	ND	2
EX22D	3/27/2003	Dieldrin	ug/l	ND	0.1
EX22D	5/5/2003	Dieldrin	ug/l	ND	0.1
EX22D	7/17/2003	Dieldrin	ug/l	ND	0.1
EX22D	10/16/2003	Dieldrin	ug/l	ND	0.1
EX22D	3/27/2003	Diethyl phthalate	ug/l	ND	10
EX22D	5/5/2003	Diethyl phthalate	ug/l	ND	10
EX22D	7/17/2003	Diethyl phthalate	ug/l	ND	10
EX22D	10/16/2003	Diethyl phthalate	ug/l	ND	10
EX22D	3/27/2003	Dimethyl phthalate	ug/l	ND	10
EX22D	5/5/2003	Dimethyl phthalate	ug/l	ND	10
EX22D	7/17/2003	Dimethyl phthalate	ug/l	ND	10
EX22D	10/16/2003	Dimethyl phthalate	ug/l	ND	10
EX22D	3/27/2003	Di-n-butyl phthalate	ug/l	ND	10
EX22D	5/5/2003	Di-n-butyl phthalate	ug/l	ND	10
EX22D	7/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX22D	10/16/2003	Di-n-butyl phthalate	ug/l	ND	10
EX22D	3/27/2003	Dinoseb	ug/l	ND	0.2
EX22D	5/5/2003	Dinoseb	ug/l	ND	0.2
EX22D	7/17/2003	Dinoseb	ug/l	ND	0.2
EX22D	10/16/2003	Dinoseb	ug/l	ND	0.2
EX22D	3/27/2003	Endothal	ug/l	ND	40
EX22D	5/5/2003	Endothal	ug/l	ND	40
EX22D	7/17/2003	Endothal	ug/l	ND	40
EX22D	10/16/2003	Endothal	ug/l	ND	40
EX22D	3/27/2003	Endrin	ug/l	ND	0.1
EX22D	5/5/2003	Endrin	ug/l	ND	0.1
EX22D	7/17/2003	Endrin	ug/l	ND	0.1
EX22D	10/16/2003	Endrin	ug/l	ND	0.1
EX22D	3/27/2003	Ethylbenzene	ug/l	ND	1
EX22D	5/5/2003	Ethylbenzene	ug/l	ND	1
EX22D	7/17/2003	Ethylbenzene	ug/l	ND	1
EX22D	10/16/2003	Ethylbenzene	ug/l	ND	1
EX22D	3/27/2003	Ethylene dibromide	ug/l	ND	0.05
EX22D	5/5/2003	Ethylene dibromide	ug/l	ND	0.05
EX22D	7/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX22D	10/16/2003	Ethylene dibromide	ug/l	ND	0.05
EX22D	3/27/2003	Fluoride, Total	mg/l	0.46	0.25
EX22D	5/5/2003	Fluoride, Total	mg/l	0.46	0.25
EX22D	7/17/2003	Fluoride, Total	mg/l	0.44	0.25
EX22D	10/16/2003	Fluoride, Total	mg/l	0.555	0.25

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX22D	3/27/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX22D	5/5/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX22D	7/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX22D	10/16/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX22D	3/27/2003	Heptachlor	ug/l	ND	0.05
EX22D	5/5/2003	Heptachlor	ug/l	ND	0.05
EX22D	7/17/2003	Heptachlor	ug/l	ND	0.05
EX22D	10/16/2003	Heptachlor	ug/l	ND	0.05
EX22D	3/27/2003	Heptachlor epoxide	ug/l	ND	0.05
EX22D	5/5/2003	Heptachlor epoxide	ug/l	ND	0.05
EX22D	7/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX22D	10/16/2003	Heptachlor epoxide	ug/l	ND	0.05
EX22D	3/27/2003	Hexachlorobutadiene	ug/l	ND	10
EX22D	5/5/2003	Hexachlorobutadiene	ug/l	ND	10
EX22D	7/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX22D	10/16/2003	Hexachlorobutadiene	ug/l	ND	10
EX22D	3/27/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX22D	5/5/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX22D	7/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX22D	10/16/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX22D	3/27/2003	Iodomethane	ug/l	ND	1
EX22D	5/5/2003	Iodomethane	ug/l	ND	1
EX22D	7/17/2003	Iodomethane	ug/l	ND	1
EX22D	10/16/2003	Iodomethane	ug/l	ND	1
EX22D	3/27/2003	Iron, Dissolved	ug/l	2800	10
EX22D	5/5/2003	Iron, Dissolved	ug/l	1200	10
EX22D	7/17/2003	Iron, Dissolved	ug/l	3700	10
EX22D	10/16/2003	Iron, Dissolved	ug/l	3300	10
EX22D	3/27/2003	Iron, Total	ug/l	6000	10
EX22D	5/5/2003	Iron, Total	ug/l	24000	10
EX22D	7/17/2003	Iron, Total	ug/l	4900	10
EX22D	10/16/2003	Iron, Total	ug/l	4400	10
EX22D	3/27/2003	Isophorone	ug/l	ND	10
EX22D	5/5/2003	Isophorone	ug/l	ND	10
EX22D	7/17/2003	Isophorone	ug/l	ND	10
EX22D	10/16/2003	Isophorone	ug/l	ND	10
EX22D	3/27/2003	Isopropylbenzene	ug/l	ND	1
EX22D	5/5/2003	Isopropylbenzene	ug/l	ND	1
EX22D	7/17/2003	Isopropylbenzene	ug/l	ND	1
EX22D	10/16/2003	Isopropylbenzene	ug/l	ND	1
EX22D	3/27/2003	Lead, Total	ug/l	ND	2
EX22D	5/5/2003	Lead, Total	ug/l	10	1
EX22D	7/17/2003	Lead, Total	ug/l	ND	1
EX22D	10/16/2003	Lead, Total	ug/l	ND	1
EX22D	3/27/2003	Lead, Dissolved	ug/l	ND	1
EX22D	5/5/2003	Lead, Dissolved	ug/l	ND	1
EX22D	7/17/2003	Lead, Dissolved	ug/l	ND	1
EX22D	10/16/2003	Lead, Dissolved	ug/l	ND	1
EX22D	3/27/2003	Magnesium, Total	mg/l	46	0.1
EX22D	5/5/2003	Magnesium, Total	mg/l	85	0.1
EX22D	7/17/2003	Magnesium, Total	mg/l	46	0.1
EX22D	10/16/2003	Magnesium, Total	mg/l	44	0.1
EX22D	3/27/2003	Manganese, Dissolved	ug/l	46	1
EX22D	5/5/2003	Manganese, Dissolved	ug/l	89	1
EX22D	7/17/2003	Manganese, Dissolved	ug/l	39	1
EX22D	10/16/2003	Manganese, Dissolved	ug/l	38	1
EX22D	3/27/2003	Manganese, Total	ug/l	110	1
EX22D	5/5/2003	Manganese, Total	ug/l	580	1
EX22D	7/17/2003	Manganese, Total	ug/l	78	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX22D	10/16/2003	Manganese, Total	ug/l	68	1
EX22D	3/27/2003	Mercury, Dissolved	ug/l	ND	0.2
EX22D	5/5/2003	Mercury, Dissolved	ug/l	ND	0.2
EX22D	7/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX22D	10/16/2003	Mercury, Dissolved	ug/l	ND	0.2
EX22D	3/27/2003	Mercury, Total	ug/l	ND	0.2
EX22D	5/5/2003	Mercury, Total	ug/l	ND	0.2
EX22D	7/17/2003	Mercury, Total	ug/l	ND	0.2
EX22D	10/16/2003	Mercury, Total	ug/l	ND	0.2
EX22D	3/27/2003	Methoxychlor	ug/l	ND	0.5
EX22D	5/5/2003	Methoxychlor	ug/l	ND	0.5
EX22D	7/17/2003	Methoxychlor	ug/l	ND	0.5
EX22D	10/16/2003	Methoxychlor	ug/l	ND	0.5
EX22D	3/27/2003	Methylene Chloride	ug/l	ND	5
EX22D	5/5/2003	Methylene Chloride	ug/l	ND	5
EX22D	7/17/2003	Methylene Chloride	ug/l	ND	5
EX22D	10/16/2003	Methylene Chloride	ug/l	ND	5
EX22D	3/27/2003	Naphthalene	ug/l	ND	10
EX22D	5/5/2003	Naphthalene	ug/l	ND	10
EX22D	7/17/2003	Naphthalene	ug/l	ND	10
EX22D	10/16/2003	Naphthalene	ug/l	ND	10
EX22D	3/27/2003	n-Butylbenzene	ug/l	ND	1
EX22D	5/5/2003	n-Butylbenzene	ug/l	ND	1
EX22D	7/17/2003	n-Butylbenzene	ug/l	ND	1
EX22D	10/16/2003	n-Butylbenzene	ug/l	ND	1
EX22D	3/27/2003	Nickel, Total	ug/l	9.5	5
EX22D	5/5/2003	Nickel, Total	ug/l	26	5
EX22D	7/17/2003	Nickel, Total	ug/l	ND	5
EX22D	10/16/2003	Nickel, Total	ug/l	ND	5
EX22D	3/27/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX22D	5/5/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX22D	7/17/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX22D	10/16/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX22D	3/27/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX22D	5/5/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX22D	7/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX22D	10/16/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX22D	3/27/2003	n-Propylbenzene	ug/l	ND	1
EX22D	5/5/2003	n-Propylbenzene	ug/l	ND	1
EX22D	7/17/2003	n-Propylbenzene	ug/l	ND	1
EX22D	10/16/2003	n-Propylbenzene	ug/l	ND	1
EX22D	3/27/2003	Oil and Grease, Total	mg/l	ND	5
EX22D	5/5/2003	Oil and Grease, Total	mg/l	ND	5
EX22D	7/17/2003	Oil and Grease, Total	mg/l	ND	5
EX22D	10/16/2003	Oil and Grease, Total	mg/l	ND	5
EX22D	3/27/2003	o-Xylene	ug/l	ND	1
EX22D	5/5/2003	o-Xylene	ug/l	ND	1
EX22D	7/17/2003	o-Xylene	ug/l	ND	1
EX22D	10/16/2003	o-Xylene	ug/l	ND	1
EX22D	3/27/2003	Parathion	ug/l	ND	0.2
EX22D	5/5/2003	Parathion	ug/l	ND	0.2
EX22D	7/17/2003	Parathion	ug/l	ND	0.2
EX22D	10/16/2003	Parathion	ug/l	ND	0.2
EX22D	3/27/2003	Pentachlorophenol	ug/l	ND	0.05
EX22D	5/5/2003	Pentachlorophenol	ug/l	ND	0.05
EX22D	7/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX22D	10/16/2003	Pentachlorophenol	ug/l	ND	0.05
EX22D	10/16/2003	pH, Field Aqueous	s.u.	7.01	
EX22D	3/27/2003	pH, Field Aqueous	s.u.	7.18	

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX22D	5/ 5/2003	pH, Field Aqueous	s.u.	7.02	
EX22D	7/17/2003	pH, Field Aqueous	s.u.	7.11	
EX22D	3/27/2003	Phenols, Total	mg/l	ND	0.005
EX22D	5/5/2003	Phenols, Total	mg/l	ND	0.005
EX22D	7/17/2003	Phenols, Total	mg/l	ND	0.005
EX22D	10/16/2003	Phenols, Total	mg/l	ND	0.005
EX22D	3/27/2003	Picloram	ug/l	ND	0.2
EX22D	5/5/2003	Picloram	ug/l	ND	0.2
EX22D	7/17/2003	Picloram	ug/l	ND	0.2
EX22D	10/16/2003	Picloram	ug/l	ND	0.2
EX22D	3/27/2003	p-Isopropyltoluene	ug/l	ND	1
EX22D	5/5/2003	p-Isopropyltoluene	ug/l	ND	1
EX22D	7/17/2003	p-Isopropyltoluene	ug/l	ND	1
EX22D	10/16/2003	p-Isopropyltoluene	ug/l	ND	1
EX22D	3/27/2003	Potassium, Total	mg/l	3.4	0.1
EX22D	5/5/2003	Potassium, Total	mg/l	9.7	0.1
EX22D	7/17/2003	Potassium, Total	mg/l	2.9	0.1
EX22D	10/16/2003	Potassium, Total	mg/l	2.6	0.1
EX22D	3/27/2003	p-Xylene	ug/l	ND	1
EX22D	5/5/2003	p-Xylene	ug/l	ND	1
EX22D	7/17/2003	p-Xylene	ug/l	ND	1
EX22D	10/16/2003	p-Xylene	ug/l	ND	1
EX22D	3/27/2003	sec-Butylbenzene	ug/l	ND	1
EX22D	5/5/2003	sec-Butylbenzene	ug/l	ND	1
EX22D	7/17/2003	sec-Butylbenzene	ug/l	ND	1
EX22D	10/16/2003	sec-Butylbenzene	ug/l	ND	1
EX22D	3/27/2003	Selenium, Total	ug/l	ND	1
EX22D	5/5/2003	Selenium, Total	ug/l	ND	1
EX22D	7/17/2003	Selenium, Total	ug/l	ND	1
EX22D	10/16/2003	Selenium, Total	ug/l	ND	1
EX22D	3/27/2003	Silver, Total	ug/l	ND	5
EX22D	5/5/2003	Silver, Total	ug/l	ND	5
EX22D	7/17/2003	Silver, Total	ug/l	ND	5
EX22D	10/16/2003	Silver, Total	ug/l	ND	5
EX22D	3/27/2003	Silvex	ug/l	ND	0.05
EX22D	5/5/2003	Silvex	ug/l	ND	0.05
EX22D	7/17/2003	Silvex	ug/l	ND	0.05
EX22D	10/16/2003	Silvex	ug/l	ND	0.05
EX22D	3/27/2003	Simazine	ug/l	ND	0.2
EX22D	5/5/2003	Simazine	ug/l	ND	0.2
EX22D	7/17/2003	Simazine	ug/l	ND	0.2
EX22D	10/16/2003	Simazine	ug/l	ND	0.2
EX22D	3/27/2003	Sodium, Total	mg/l	24	0.1
EX22D	5/5/2003	Sodium, Total	mg/l	24	0.1
EX22D	7/17/2003	Sodium, Total	mg/l	25	0.1
EX22D	10/16/2003	Sodium, Total	mg/l	24	0.1
EX22D	10/16/2003	Specific Conductance, Field	umhos/cm	660	
EX22D	3/27/2003	Specific Conductance, Field	umhos/cm	702	
EX22D	5/ 5/2003	Specific Conductance, Field	umhos/cm	680	
EX22D	7/17/2003	Specific Conductance, Field		678	
EX22D	3/27/2003	Styrene	ug/l	ND	1
EX22D	5/5/2003	Styrene	ug/l	ND	1
EX22D	7/17/2003	Styrene	ug/l	ND	1
EX22D	10/16/2003	Styrene	ug/l	ND	1
EX22D	3/27/2003	Sulfate, Dissolved	mg/l	ND	1
EX22D	5/5/2003	Sulfate, Dissolved	mg/l	ND	1
EX22D	7/17/2003	Sulfate, Dissolved	mg/l	ND	1
EX22D	10/16/2003	Sulfate, Dissolved	mg/l	ND	1
EX22D	3/27/2003	Sulfate, Total	mg/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX22D	5/5/2003	Sulfate, Total	mg/l	ND	1
EX22D	7/17/2003	Sulfate, Total	mg/l	ND	1
EX22D	10/16/2003	Sulfate, Total	mg/l	ND	1
EX22D	3/27/2003	tert-Butylbenzene	ug/l	ND	1
EX22D	5/5/2003	tert-Butylbenzene	ug/l	ND	1
EX22D	7/17/2003	tert-Butylbenzene	ug/l	ND	1
EX22D	10/16/2003	tert-Butylbenzene	ug/l	ND	1
EX22D	3/27/2003	Tetrachloroethene	ug/l	ND	1
EX22D	5/5/2003	Tetrachloroethene	ug/l	ND	1
EX22D	7/17/2003	Tetrachloroethene	ug/l	ND	1
EX22D	10/16/2003	Tetrachloroethene	ug/l	ND	1
EX22D	3/27/2003	Tetrahydrofuran	ug/l	ND	20
EX22D	5/5/2003	Tetrahydrofuran	ug/l	ND	20
EX22D	7/17/2003	Tetrahydrofuran	ug/l	ND	20
EX22D	10/16/2003	Tetrahydrofuran	ug/l	ND	20
EX22D	3/27/2003	Thallium, Total	ug/l	ND	1
EX22D	5/5/2003	Thallium, Total	ug/l	ND	1
EX22D	7/17/2003	Thallium, Total	ug/l	ND	1
EX22D	10/16/2003	Thallium, Total	ug/l	ND	1
EX22D	3/27/2003	Total Organic Carbon (TOC)	mg/l	6.8	0.5
EX22D	5/5/2003	Total Organic Carbon (TOC)	mg/l	5.6	0.5
EX22D	7/17/2003	Total Organic Carbon (TOC)	mg/l	5.4	0.5
EX22D	10/16/2003	Total Organic Carbon (TOC)	mg/l	5.2	0.5
EX22D	3/27/2003	Toluene	ug/l	2	1
EX22D	5/5/2003	Toluene	ug/l	ND	1
EX22D	7/17/2003	Toluene	ug/l	ND	1
EX22D	10/16/2003	Toluene	ug/l	ND	1
EX22D	3/27/2003	Total Dissolved Solids	mg/l	440	17
EX22D	5/5/2003	Total Dissolved Solids	mg/l	460	17
EX22D	7/17/2003	Total Dissolved Solids	mg/l	450	17
EX22D	10/16/2003	Total Dissolved Solids	mg/l	360	51
EX22D	3/27/2003	Toxaphene	ug/l	ND	1.5
EX22D	5/5/2003	Toxaphene	ug/l	ND	1.5
EX22D	7/17/2003	Toxaphene	ug/l	ND	1.5
EX22D	10/16/2003	Toxaphene	ug/l	ND	1.5
EX22D	3/27/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX22D	5/5/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX22D	7/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX22D	10/16/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX22D	3/27/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX22D	5/5/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX22D	7/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX22D	10/16/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX22D	3/27/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX22D	5/5/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX22D	7/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX22D	10/16/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX22D	3/27/2003	Trichloroethene	ug/l	ND	1
EX22D	5/5/2003	Trichloroethene	ug/l	ND	1
EX22D	7/17/2003	Trichloroethene	ug/l	ND	1
EX22D	10/16/2003	Trichloroethene	ug/l	ND	1
EX22D	3/27/2003	Trichlorofluoromethane	ug/l	ND	1
EX22D	5/5/2003	Trichlorofluoromethane	ug/l	ND	1
EX22D	7/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX22D	10/16/2003	Trichlorofluoromethane	ug/l	ND	1
EX22D	3/27/2003	Vanadium, Total	ug/l	ND	5
EX22D	5/5/2003	Vanadium, Total	ug/l	33	5
EX22D	7/17/2003	Vanadium, Total	ug/l	ND	5
EX22D	10/16/2003	Vanadium, Total	ug/l	ND	5

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX22D	3/27/2003	Vinyl Acetate	ug/l	ND	5
EX22D	5/5/2003	Vinyl Acetate	ug/l	ND	5
EX22D	7/17/2003	Vinyl Acetate	ug/l	ND	5
EX22D	10/16/2003	Vinyl Acetate	ug/l	ND	5
EX22D	3/27/2003	Vinyl Chloride	ug/l	ND	2
EX22D	5/5/2003	Vinyl Chloride	ug/l	ND	2
EX22D	7/17/2003	Vinyl Chloride	ug/l	ND	2
EX22D	10/16/2003	Vinyl Chloride	ug/l	ND	2
EX22D	3/27/2003	Xylenes, Total	ug/l	ND	3
EX22D	5/5/2003	Xylenes, Total	ug/l	ND	3
EX22D	7/17/2003	Xylenes, Total	ug/l	ND	3
EX22D	10/16/2003	Xylenes, Total	ug/l	ND	3
EX22D	3/27/2003	Zinc, Total	ug/l	8.7	6
EX22D	5/5/2003	Zinc, Total	ug/l	48	6
EX22D	7/17/2003	Zinc, Total	ug/l	6.5	6
EX22D	10/16/2003	Zinc, Total	ug/l	ND	6
EX22D	3/27/2003	Zinc, Dissolved	ug/l	ND	6
EX22D	5/5/2003	Zinc, Dissolved	ug/l	ND	6
EX22D	7/17/2003	Zinc, Dissolved	ug/l	ND	6
EX22D	10/16/2003	Zinc, Dissolved	ug/l	ND	6
EX24	3/27/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX24	5/5/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX24	7/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX24	10/17/2003	1,1,1,2-Tetrachloroethane	ug/l	ND	1
EX24	3/27/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX24	5/5/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX24	7/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX24	10/17/2003	1,1,1-Trichloroethane	ug/l	ND	1
EX24	3/27/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX24	5/5/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX24	7/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX24	10/17/2003	1,1,2,2-Tetrachloroethane	ug/l	ND	1
EX24	3/27/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX24	5/5/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX24	7/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX24	10/17/2003	1,1,2-Trichloroethane	ug/l	ND	1
EX24	3/27/2003	1,1-Dichloroethane	ug/l	ND	1
EX24	5/5/2003	1,1-Dichloroethane	ug/l	ND	1
EX24	7/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX24	10/17/2003	1,1-Dichloroethane	ug/l	ND	1
EX24	3/27/2003	1,1-Dichloroethene	ug/l	ND	1
EX24	5/5/2003	1,1-Dichloroethene	ug/l	ND	1
EX24	7/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX24	10/17/2003	1,1-Dichloroethene	ug/l	ND	1
EX24	3/27/2003	1,1-Dichloropropene	ug/l	ND	1
EX24	5/5/2003	1,1-Dichloropropene	ug/l	ND	1
EX24	7/17/2003	1,1-Dichloropropene	ug/l	ND	1
EX24	10/17/2003	1,1-Dichloropropene	ug/l	ND	1
EX24	3/27/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX24	5/5/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX24	7/17/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX24	10/17/2003	1,2,3-Trichlorobenzene	ug/l	ND	1
EX24	3/27/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX24	5/5/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX24	7/17/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX24	10/17/2003	1,2,3-Trichloropropane	ug/l	ND	1
EX24	3/27/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX24	5/5/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX24	7/17/2003	1,2,4-Trichlorobenzene	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX24	10/17/2003	1,2,4-Trichlorobenzene	ug/l	ND	1
EX24	3/27/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX24	5/5/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX24	7/17/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX24	10/17/2003	1,2,4-Trimethylbenzene	ug/l	ND	1
EX24	3/27/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX24	5/5/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX24	7/17/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX24	10/17/2003	1,2-Dibromo-3-chloropropane	ug/l	ND	0.05
EX24	3/27/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX24	5/5/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX24	7/17/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX24	10/17/2003	1,2-Dichlorobenzene	ug/l	ND	1
EX24	3/27/2003	1,2-Dichloroethane	ug/l	ND	1
EX24	5/5/2003	1,2-Dichloroethane	ug/l	ND	1
EX24	7/17/2003	1,2-Dichloroethane	ug/l	ND	1
EX24	10/17/2003	1,2-Dichloroethane	ug/l	ND	1
EX24	3/27/2003	1,2-Dichloropropane	ug/l	ND	1
EX24	5/5/2003	1,2-Dichloropropane	ug/l	ND	1
EX24	7/17/2003	1,2-Dichloropropane	ug/l	ND	1
EX24	10/17/2003	1,2-Dichloropropane	ug/l	ND	1
EX24	3/27/2003	1,3-Dichloropropane	ug/l	ND	1
EX24	5/5/2003	1,3-Dichloropropane	ug/l	ND	1
EX24	7/17/2003	1,3-Dichloropropane	ug/l	ND	1
EX24	10/17/2003	1,3-Dichloropropane	ug/l	ND	1
EX24	3/27/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX24	5/5/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX24	7/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX24	10/17/2003	1,3,5-Trimethylbenzene	ug/l	ND	1
EX24	3/27/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX24	5/5/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX24	7/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX24	10/17/2003	1,3-Dichlorobenzene	ug/l	ND	1
EX24	3/27/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX24	5/5/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX24	7/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX24	10/17/2003	1,4-Dichlorobenzene	ug/l	ND	1
EX24	3/27/2003	2,2-Dichloropropane	ug/l	ND	1
EX24	5/5/2003	2,2-Dichloropropane	ug/l	ND	1
EX24	7/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX24	10/17/2003	2,2-Dichloropropane	ug/l	ND	1
EX24	3/27/2003	2,4-D	ug/l	ND	0.1
EX24	5/5/2003	2,4-D	ug/l	ND	0.1
EX24	7/17/2003	2,4-D	ug/l	ND	0.1
EX24	10/17/2003	2,4-D	ug/l	ND	0.1
EX24	3/27/2003	2-Butanone (MEK)	ug/l	ND	5
EX24	5/5/2003	2-Butanone (MEK)	ug/l	ND	5
EX24	7/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX24	10/17/2003	2-Butanone (MEK)	ug/l	ND	5
EX24	3/27/2003	2-Chlorotoluene	ug/l	ND	1
EX24	5/5/2003	2-Chlorotoluene	ug/l	ND	1
EX24	7/17/2003	2-Chlorotoluene	ug/l	ND	1
EX24	10/17/2003	2-Chlorotoluene	ug/l	ND	1
EX24	3/27/2003	2-Hexanone (MBK)	ug/l	ND	5
EX24	5/5/2003	2-Hexanone (MBK)	ug/l	ND	5
EX24	7/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX24	10/17/2003	2-Hexanone (MBK)	ug/l	ND	5
EX24	3/27/2003	4,4'-DDT	ug/l	ND	0.1
EX24	5/5/2003	4,4'-DDT	ug/l	ND	0.1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX24	7/17/2003	4,4'-DDT	ug/l	ND	0.1
EX24	10/17/2003	4,4'-DDT	ug/l	ND	0.1
EX24	3/27/2003	4-Chlorotoluene	ug/l	ND	1
EX24	5/5/2003	4-Chlorotoluene	ug/l	ND	1
EX24	7/17/2003	4-Chlorotoluene	ug/l	ND	1
EX24	10/17/2003	4-Chlorotoluene	ug/l	ND	1
EX24	3/27/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX24	5/5/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX24	7/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX24	10/17/2003	4-Methyl-2-Pentanone(MIBK)	ug/l	ND	5
EX24	3/27/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX24	5/5/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX24	7/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX24	10/17/2003	4-Methylphenol(p-cresol)	ug/l	ND	10
EX24	3/27/2003	Acetone	ug/l	ND	10
EX24	5/5/2003	Acetone	ug/l	ND	10
EX24	7/17/2003	Acetone	ug/l	ND	10
EX24	10/17/2003	Acetone	ug/l	ND	10
EX24	3/27/2003	Acrolein	ug/l	ND	50
EX24	5/5/2003	Acrolein	ug/l	ND	50
EX24	7/17/2003	Acrolein	ug/l	ND	50
EX24	10/17/2003	Acrolein	ug/l	ND	50
EX24	3/27/2003	Acrylonitrile	ug/l	ND	50
EX24	5/5/2003	Acrylonitrile	ug/l	ND	50
EX24	7/17/2003	Acrylonitrile	ug/l	ND	50
EX24	10/17/2003	Acrylonitrile	ug/l	ND	50
EX24	3/27/2003	Alachlor	ug/l	ND	0.4
EX24	5/5/2003	Alachlor	ug/l	ND	0.4
EX24	7/17/2003	Alachlor	ug/l	ND	0.4
EX24	10/17/2003	Alachlor	ug/l	ND	0.4
EX24	3/27/2003	Aldicarb	ug/l	ND	0.4
EX24	5/5/2003	Aldicarb	ug/l	ND	0.4
EX24	7/17/2003	Aldicarb	ug/l	ND	0.4
EX24	10/17/2003	Aldicarb	ug/l	ND	0.4
EX24	3/27/2003	Aldrin	ug/l	ND	0.05
EX24	5/5/2003	Aldrin	ug/l	ND	0.05
EX24	7/17/2003	Aldrin	ug/l	ND	0.05
EX24	10/17/2003	Aldrin	ug/l	ND	0.05
EX24	3/27/2003	Aluminum, Total	ug/l	37000	20
EX24	5/5/2003	Aluminum, Total	ug/l	9900	10
EX24	7/17/2003	Aluminum, Total	ug/l	1400	10
EX24	10/17/2003	Aluminum, Total	ug/l	14000	10
EX24	3/27/2003	Ammonia, Dissolved	mg/l	11	0.5
EX24	5/5/2003	Ammonia, Dissolved	mg/l	12	0.05
EX24	7/17/2003	Ammonia, Dissolved	mg/l	12	0.05
EX24	10/17/2003	Ammonia, Dissolved	mg/l	12	0.05
EX24	3/27/2003	Ammonia, Total	mg/l	12	0.5
EX24	5/5/2003	Ammonia, Total	mg/l	12	0.05
EX24	7/17/2003	Ammonia, Total	mg/l	12	0.05
EX24	10/17/2003	Ammonia, Total	mg/l	8.8	0.05
EX24	3/27/2003	Antimony, Total	ug/l	ND	3
EX24	5/5/2003	Antimony, Total	ug/l	ND	3
EX24	7/17/2003	Antimony, Total	ug/l	ND	3
EX24	10/17/2003	Antimony, Total	ug/l	ND	3
EX24	3/27/2003	Aroclor 1016	ug/l	ND	0.5
EX24	5/5/2003	Aroclor 1016	ug/l	ND	0.5
EX24	7/17/2003	Aroclor 1016	ug/l	ND	0.5
EX24	10/17/2003	Aroclor 1016	ug/l	ND	0.5
EX24	3/27/2003	Aroclor 1221	ug/l	ND	0.5

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX24	5/5/2003	Aroclor 1221	ug/l	ND	0.5
EX24	7/17/2003	Aroclor 1221	ug/l	ND	0.5
EX24	10/17/2003	Aroclor 1221	ug/l	ND	0.5
EX24	3/27/2003	Aroclor 1232	ug/l	ND	0.5
EX24	5/5/2003	Aroclor 1232	ug/l	ND	0.5
EX24	7/17/2003	Aroclor 1232	ug/l	ND	0.5
EX24	10/17/2003	Aroclor 1232	ug/l	ND	0.5
EX24	3/27/2003	Aroclor 1242	ug/l	ND	0.5
EX24	5/5/2003	Aroclor 1242	ug/l	ND	0.5
EX24	7/17/2003	Aroclor 1242	ug/l	ND	0.5
EX24	10/17/2003	Aroclor 1242	ug/l	ND	0.5
EX24	3/27/2003	Aroclor 1248	ug/l	ND	0.5
EX24	5/5/2003	Aroclor 1248	ug/l	ND	0.5
EX24	7/17/2003	Aroclor 1248	ug/l	ND	0.5
EX24	10/17/2003	Aroclor 1248	ug/l	ND	0.5
EX24	3/27/2003	Aroclor 1254	ug/l	ND	0.5
EX24	5/5/2003	Aroclor 1254	ug/l	ND	0.5
EX24	7/17/2003	Aroclor 1254	ug/l	ND	0.5
EX24	10/17/2003	Aroclor 1254	ug/l	ND	0.5
EX24	3/27/2003	Aroclor 1260	ug/l	ND	0.5
EX24	5/5/2003	Aroclor 1260	ug/l	ND	0.5
EX24	7/17/2003	Aroclor 1260	ug/l	ND	0.5
EX24	10/17/2003	Aroclor 1260	ug/l	ND	0.5
EX24	3/27/2003	Arsenic, Total	ug/l	61	1
EX24	5/5/2003	Arsenic, Total	ug/l	56	1
EX24	7/17/2003	Arsenic, Total	ug/l	48	1
EX24	10/17/2003	Arsenic, Total	ug/l	100	1
EX24	3/27/2003	Arsenic, Dissolved	ug/l	31	1
EX24	5/5/2003	Arsenic, Dissolved	ug/l	45	1
EX24	7/17/2003	Arsenic, Dissolved	ug/l	48	1
EX24	10/17/2003	Arsenic, Dissolved	ug/l	97	1
EX24	3/27/2003	Atrazine	ug/l	ND	0.2
EX24	5/5/2003	Atrazine	ug/l	ND	0.2
EX24	7/17/2003	Atrazine	ug/l	ND	0.2
EX24	10/17/2003	Atrazine	ug/l	ND	0.2
EX24	3/27/2003	Barium, Total	ug/l	470	1
EX24	5/5/2003	Barium, Total	ug/l	370	1
EX24	7/17/2003	Barium, Total	ug/l	330	1
EX24	10/17/2003	Barium, Total	ug/l	400	1
EX24	3/27/2003	Benzene	ug/l	ND	1
EX24	5/5/2003	Benzene	ug/l	ND	1
EX24	7/17/2003	Benzene	ug/l	ND	1
EX24	10/17/2003	Benzene	ug/l	ND	1
EX24	3/27/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX24	5/5/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX24	7/17/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX24	10/17/2003	Benzo(a)pyrene	ug/l	ND	0.2
EX24	3/27/2003	Beryllium, Total	ug/l	1.9	1
EX24	5/5/2003	Beryllium, Total	ug/l	ND	1
EX24	7/17/2003	Beryllium, Total	ug/l	ND	1
EX24	10/17/2003	Beryllium, Total	ug/l	ND	1
EX24	3/27/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX24	5/5/2003	Bis(2-ethylhexyl)phthalate	ug/l	6.1	6
EX24	7/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX24	10/17/2003	Bis(2-ethylhexyl)phthalate	ug/l	ND	6
EX24	3/27/2003	Biological Oxygen Demand (BOD)	mg/l	20	3
EX24	5/5/2003	Biological Oxygen Demand (BOD)	mg/l	15	3
EX24	7/17/2003	Biological Oxygen Demand (BOD)	mg/l	16	3
EX24	10/17/2003	Biological Oxygen Demand (BOD)	mg/l	22	3

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX24	3/27/2003	Boron, Dissolved	ug/l	360	10
EX24	5/5/2003	Boron, Dissolved	ug/l	390	10
EX24	7/17/2003	Boron, Dissolved	ug/l	460	10
EX24	10/17/2003	Boron, Dissolved	ug/l	440	10
EX24	3/27/2003	Boron, Total	ug/l	410	10
EX24	5/5/2003	Boron, Total	ug/l	450	10
EX24	7/17/2003	Boron, Total	ug/l	400	10
EX24	10/17/2003	Boron, Total	ug/l	400	10
EX24	3/27/2003	Bromobenzene	ug/l	ND	1
EX24	5/5/2003	Bromobenzene	ug/l	ND	1
EX24	7/17/2003	Bromobenzene	ug/l	ND	1
EX24	10/17/2003	Bromobenzene	ug/l	ND	1
EX24	3/27/2003	Bromochloromethane	ug/l	ND	1
EX24	5/5/2003	Bromochloromethane	ug/l	ND	1
EX24	7/17/2003	Bromochloromethane	ug/l	ND	1
EX24	10/17/2003	Bromochloromethane	ug/l	ND	1
EX24	3/27/2003	Bromodichloromethane	ug/l	ND	1
EX24	5/5/2003	Bromodichloromethane	ug/l	ND	1
EX24	7/17/2003	Bromodichloromethane	ug/l	ND	1
EX24	10/17/2003	Bromodichloromethane	ug/l	ND	1
EX24	3/27/2003	Bromoform	ug/l	ND	1
EX24	5/5/2003	Bromoform	ug/l	ND	1
EX24	7/17/2003	Bromoform	ug/l	ND	1
EX24	10/17/2003	Bromoform	ug/l	ND	1
EX24	3/27/2003	Bromomethane	ug/l	ND	2
EX24	5/5/2003	Bromomethane	ug/l	ND	2
EX24	7/17/2003	Bromomethane	ug/l	ND	2
EX24	10/17/2003	Bromomethane	ug/l	ND	2
EX24	3/27/2003	Cadmium, Dissolved	ug/l	ND	1
EX24	5/5/2003	Cadmium, Dissolved	ug/l	ND	1
EX24	7/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX24	10/17/2003	Cadmium, Dissolved	ug/l	ND	1
EX24	3/27/2003	Cadmium, Total	ug/l	ND	1
EX24	5/5/2003	Cadmium, Total	ug/l	ND	1
EX24	7/17/2003	Cadmium, Total	ug/l	ND	1
EX24	10/17/2003	Cadmium, Total	ug/l	ND	1
EX24	3/27/2003	Calcium, Total	mg/l	210	0.1
EX24	5/5/2003	Calcium, Total	mg/l	120	0.1
EX24	7/17/2003	Calcium, Total	mg/l	120	0.1
EX24	10/17/2003	Calcium, Total	mg/l	200	0.1
EX24	3/27/2003	Carbofuran	ug/l	ND	1.5
EX24	5/5/2003	Carbofuran	ug/l	ND	1.5
EX24	7/17/2003	Carbofuran	ug/l	ND	1.5
EX24	10/17/2003	Carbofuran	ug/l	ND	1.5
EX24	3/27/2003	Carbon Disulfide	ug/l	ND	1
EX24	5/5/2003	Carbon Disulfide	ug/l	ND	1
EX24	7/17/2003	Carbon Disulfide	ug/l	ND	1
EX24	10/17/2003	Carbon Disulfide	ug/l	ND	1
EX24	3/27/2003	Carbon Tetrachloride	ug/l	ND	1
EX24	5/5/2003	Carbon Tetrachloride	ug/l	ND	1
EX24	7/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX24	10/17/2003	Carbon Tetrachloride	ug/l	ND	1
EX24	3/27/2003	Chlordane (Tech)	ug/l	ND	0.5
EX24	5/5/2003	Chlordane (Tech)	ug/l	ND	0.5
EX24	7/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX24	10/17/2003	Chlordane (Tech)	ug/l	ND	0.5
EX24	3/27/2003	Chloride, Dissolved	mg/l	5.8	1
EX24	5/5/2003	Chloride, Dissolved	mg/l	4.6	1
EX24	7/17/2003	Chloride, Dissolved	mg/l	3.7	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX24	10/17/2003	Chloride, Dissolved	mg/l	3.7	0.5
EX24	3/27/2003	Chloride, Total	mg/l	5.5	1
EX24	5/5/2003	Chloride, Total	mg/l	5.4	1
EX24	7/17/2003	Chloride, Total	mg/l	3.8	1
EX24	10/17/2003	Chloride, Total	mg/l	3.9	0.5
EX24	3/27/2003	Chlorobenzene	ug/l	ND	1
EX24	5/5/2003	Chlorobenzene	ug/l	ND	1
EX24	7/17/2003	Chlorobenzene	ug/l	ND	1
EX24	10/17/2003	Chlorobenzene	ug/l	ND	1
EX24	3/27/2003	Chloroethane	ug/l	ND	2
EX24	5/5/2003	Chloroethane	ug/l	ND	2
EX24	7/17/2003	Chloroethane	ug/l	ND	2
EX24	10/17/2003	Chloroethane	ug/l	ND	2
EX24	3/27/2003	Chloroform	ug/l	ND	1
EX24	5/5/2003	Chloroform	ug/l	ND	1
EX24	7/17/2003	Chloroform	ug/l	ND	1
EX24	10/17/2003	Chloroform	ug/l	ND	1
EX24	3/27/2003	Chloromethane	ug/l	ND	2
EX24	5/5/2003	Chloromethane	ug/l	ND	2
EX24	7/17/2003	Chloromethane	ug/l	ND	2
EX24	10/17/2003	Chloromethane	ug/l	ND	2
EX24	3/27/2003	Chromium, Total	ug/l	110	4
EX24	5/5/2003	Chromium, Total	ug/l	75	4
EX24	7/17/2003	Chromium, Total	ug/l	8.2	4
EX24	10/17/2003	Chromium, Total	ug/l	66	4
EX24	3/27/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX24	5/5/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX24	7/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX24	10/17/2003	cis-1,2-Dichloroethene	ug/l	ND	1
EX24	3/27/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX24	5/5/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX24	7/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX24	10/17/2003	cis-1,3-Dichloropropene	ug/l	ND	1
EX24	3/27/2003	Cobalt, Total	ug/l	22	2
EX24	5/5/2003	Cobalt, Total	ug/l	8.3	2
EX24	7/17/2003	Cobalt, Total	ug/l	ND	2
EX24	10/17/2003	Cobalt, Total	ug/l	9.2	2
EX24	3/27/2003	Chemical Oxygen Demand (COD)	mg/l	20	6
EX24	5/5/2003	Chemical Oxygen Demand (COD)	mg/l	28	6
EX24	7/17/2003	Chemical Oxygen Demand (COD)	mg/l	12	6
EX24	10/17/2003	Chemical Oxygen Demand (COD)	mg/l	23	6
EX24	3/27/2003	Copper, Total	ug/l	71	3
EX24	5/5/2003	Copper, Total	ug/l	12	3
EX24	7/17/2003	Copper, Total	ug/l	ND	3
EX24	10/17/2003	Copper, Total	ug/l	25	3
EX24	3/27/2003	Cyanide, Total	mg/l	ND	0.005
EX24	5/5/2003	Cyanide, Total	mg/l	ND	0.005
EX24	7/17/2003	Cyanide, Total	mg/l	ND	0.005
EX24	10/17/2003	Cyanide, Total	mg/l	ND	0.005
EX24	3/27/2003	Dalapon	ug/l	ND	1.5
EX24	5/5/2003	Dalapon	ug/l	ND	1.5
EX24	7/17/2003	Dalapon	ug/l	ND	1.5
EX24	10/17/2003	Dalapon	ug/l	ND	1.5
EX24	3/27/2003	Dibromochloromethane	ug/l	ND	1
EX24	5/5/2003	Dibromochloromethane	ug/l	ND	1
EX24	7/17/2003	Dibromochloromethane	ug/l	ND	1
EX24	10/17/2003	Dibromochloromethane	ug/l	ND	1
EX24	3/27/2003	Dibromomethane	ug/l	ND	1
EX24	5/5/2003	Dibromomethane	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
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Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX24	7/17/2003	Dibromomethane	ug/l	ND	1
EX24	10/17/2003	Dibromomethane	ug/l	ND	1
EX24	3/27/2003	Dichlorodifluoromethane	ug/l	ND	2
EX24	5/5/2003	Dichlorodifluoromethane	ug/l	ND	2
EX24	7/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX24	10/17/2003	Dichlorodifluoromethane	ug/l	ND	2
EX24	3/27/2003	Dieldrin	ug/l	ND	0.1
EX24	5/5/2003	Dieldrin	ug/l	ND	0.1
EX24	7/17/2003	Dieldrin	ug/l	ND	0.1
EX24	10/17/2003	Dieldrin	ug/l	ND	0.1
EX24	3/27/2003	Diethyl phthalate	ug/l	ND	10
EX24	5/5/2003	Diethyl phthalate	ug/l	ND	10
EX24	7/17/2003	Diethyl phthalate	ug/l	ND	10
EX24	10/17/2003	Diethyl phthalate	ug/l	ND	10
EX24	3/27/2003	Dimethyl phthalate	ug/l	ND	10
EX24	5/5/2003	Dimethyl phthalate	ug/l	ND	10
EX24	7/17/2003	Dimethyl phthalate	ug/l	ND	10
EX24	10/17/2003	Dimethyl phthalate	ug/l	ND	10
EX24	3/27/2003	Di-n-butyl phthalate	ug/l	ND	10
EX24	5/5/2003	Di-n-butyl phthalate	ug/l	ND	10
EX24	7/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX24	10/17/2003	Di-n-butyl phthalate	ug/l	ND	10
EX24	3/27/2003	Dinoseb	ug/l	ND	0.2
EX24	5/5/2003	Dinoseb	ug/l	ND	0.2
EX24	7/17/2003	Dinoseb	ug/l	ND	0.2
EX24	10/17/2003	Dinoseb	ug/l	ND	0.2
EX24	3/27/2003	Endothal	ug/l	ND	40
EX24	5/5/2003	Endothal	ug/l	ND	40
EX24	7/17/2003	Endothal	ug/l	ND	40
EX24	10/17/2003	Endothal	ug/l	ND	40
EX24	3/27/2003	Endrin	ug/l	ND	0.1
EX24	5/5/2003	Endrin	ug/l	ND	0.1
EX24	7/17/2003	Endrin	ug/l	ND	0.1
EX24	10/17/2003	Endrin	ug/l	ND	0.1
EX24	3/27/2003	Ethylbenzene	ug/l	ND	1
EX24	5/5/2003	Ethylbenzene	ug/l	ND	1
EX24	7/17/2003	Ethylbenzene	ug/l	ND	1
EX24	10/17/2003	Ethylbenzene	ug/l	ND	1
EX24	3/27/2003	Ethylene dibromide	ug/l	ND	0.05
EX24	5/5/2003	Ethylene dibromide	ug/l	ND	0.05
EX24	7/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX24	10/17/2003	Ethylene dibromide	ug/l	ND	0.05
EX24	3/27/2003	Fluoride, Total	mg/l	0.39	0.25
EX24	5/5/2003	Fluoride, Total	mg/l	0.39	0.25
EX24	7/17/2003	Fluoride, Total	mg/l	0.34	0.25
EX24	10/17/2003	Fluoride, Total	mg/l	0.394	0.25
EX24	3/27/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX24	5/5/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX24	7/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX24	10/17/2003	gamma-BHC (Lindane)	ug/l	ND	0.05
EX24	3/27/2003	Heptachlor	ug/l	ND	0.05
EX24	5/5/2003	Heptachlor	ug/l	ND	0.05
EX24	7/17/2003	Heptachlor	ug/l	ND	0.05
EX24	10/17/2003	Heptachlor	ug/l	ND	0.05
EX24	3/27/2003	Heptachlor epoxide	ug/l	ND	0.05
EX24	5/5/2003	Heptachlor epoxide	ug/l	ND	0.05
EX24	7/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX24	10/17/2003	Heptachlor epoxide	ug/l	ND	0.05
EX24	3/27/2003	Hexachlorobutadiene	ug/l	ND	10

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX24	5/5/2003	Hexachlorobutadiene	ug/l	ND	10
EX24	7/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX24	10/17/2003	Hexachlorobutadiene	ug/l	ND	10
EX24	3/27/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX24	5/5/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX24	7/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX24	10/17/2003	Hexachlorocyclopentadiene	ug/l	ND	10
EX24	3/27/2003	Iodomethane	ug/l	ND	1
EX24	5/5/2003	Iodomethane	ug/l	ND	1
EX24	7/17/2003	Iodomethane	ug/l	ND	1
EX24	10/17/2003	Iodomethane	ug/l	ND	1
EX24	3/27/2003	Iron, Dissolved	ug/l	5300	10
EX24	5/5/2003	Iron, Dissolved	ug/l	6300	10
EX24	7/17/2003	Iron, Dissolved	ug/l	8600	10
EX24	10/17/2003	Iron, Dissolved	ug/l	12000	10
EX24	3/27/2003	Iron, Total	ug/l	64000	10
EX24	5/5/2003	Iron, Total	ug/l	18000	10
EX24	7/17/2003	Iron, Total	ug/l	9500	10
EX24	10/17/2003	Iron, Total	ug/l	28000	10
EX24	3/27/2003	Isophorone	ug/l	ND	10
EX24	5/5/2003	Isophorone	ug/l	ND	10
EX24	7/17/2003	Isophorone	ug/l	ND	10
EX24	10/17/2003	Isophorone	ug/l	ND	10
EX24	3/27/2003	Isopropylbenzene	ug/l	ND	1
EX24	5/5/2003	Isopropylbenzene	ug/l	ND	1
EX24	7/17/2003	Isopropylbenzene	ug/l	ND	1
EX24	10/17/2003	Isopropylbenzene	ug/l	ND	1
EX24	3/27/2003	Lead, Total	ug/l	33	2
EX24	5/5/2003	Lead, Total	ug/l	6	1
EX24	7/17/2003	Lead, Total	ug/l	ND	1
EX24	10/17/2003	Lead, Total	ug/l	12	1
EX24	3/27/2003	Lead, Dissolved	ug/l	ND	1
EX24	5/5/2003	Lead, Dissolved	ug/l	ND	1
EX24	7/17/2003	Lead, Dissolved	ug/l	ND	1
EX24	10/17/2003	Lead, Dissolved	ug/l	ND	1
EX24	3/27/2003	Magnesium, Total	mg/l	100	0.1
EX24	5/5/2003	Magnesium, Total	mg/l	75	0.1
EX24	7/17/2003	Magnesium, Total	mg/l	62	0.1
EX24	10/17/2003	Magnesium, Total	mg/l	99	0.1
EX24	3/27/2003	Manganese, Dissolved	ug/l	130	1
EX24	5/5/2003	Manganese, Dissolved	ug/l	100	1
EX24	7/17/2003	Manganese, Dissolved	ug/l	50	1
EX24	10/17/2003	Manganese, Dissolved	ug/l	48	1
EX24	3/27/2003	Manganese, Total	ug/l	990	1
EX24	5/5/2003	Manganese, Total	ug/l	360	1
EX24	7/17/2003	Manganese, Total	ug/l	75	1
EX24	10/17/2003	Manganese, Total	ug/l	500	1
EX24	3/27/2003	Mercury, Dissolved	ug/l	ND	0.2
EX24	5/5/2003	Mercury, Dissolved	ug/l	ND	0.2
EX24	7/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX24	10/17/2003	Mercury, Dissolved	ug/l	ND	0.2
EX24	3/27/2003	Mercury, Total	ug/l	ND	0.2
EX24	5/5/2003	Mercury, Total	ug/l	ND	0.2
EX24	7/17/2003	Mercury, Total	ug/l	ND	0.2
EX24	10/17/2003	Mercury, Total	ug/l	ND	0.2
EX24	3/27/2003	Methoxychlor	ug/l	ND	0.5
EX24	5/5/2003	Methoxychlor	ug/l	ND	0.5
EX24	7/17/2003	Methoxychlor	ug/l	ND	0.5
EX24	10/17/2003	Methoxychlor	ug/l	ND	0.5

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX24	3/27/2003	Methylene Chloride	ug/l	ND	5
EX24	5/5/2003	Methylene Chloride	ug/l	ND	5
EX24	7/17/2003	Methylene Chloride	ug/l	ND	5
EX24	10/17/2003	Methylene Chloride	ug/l	ND	5
EX24	3/27/2003	Naphthalene	ug/l	ND	10
EX24	5/5/2003	Naphthalene	ug/l	ND	10
EX24	7/17/2003	Naphthalene	ug/l	ND	10
EX24	10/17/2003	Naphthalene	ug/l	ND	10
EX24	3/27/2003	n-Butylbenzene	ug/l	ND	1
EX24	5/5/2003	n-Butylbenzene	ug/l	ND	1
EX24	7/17/2003	n-Butylbenzene	ug/l	ND	1
EX24	10/17/2003	n-Butylbenzene	ug/l	ND	1
EX24	3/27/2003	Nickel, Total	ug/l	190	5
EX24	5/5/2003	Nickel, Total	ug/l	120	5
EX24	7/17/2003	Nickel, Total	ug/l	16	5
EX24	10/17/2003	Nickel, Total	ug/l	55	5
EX24	3/27/2003	Nitrate/Nitrite as N Dissolved	mg/l	0.029	0.02
EX24	5/5/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX24	7/17/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX24	10/17/2003	Nitrate/Nitrite as N Dissolved	mg/l	ND	0.02
EX24	3/27/2003	Nitrate/Nitrite as N, Total	mg/l	0.026	0.02
EX24	5/5/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX24	7/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX24	10/17/2003	Nitrate/Nitrite as N, Total	mg/l	ND	0.02
EX24	3/27/2003	n-Propylbenzene	ug/l	ND	1
EX24	5/5/2003	n-Propylbenzene	ug/l	ND	1
EX24	7/17/2003	n-Propylbenzene	ug/l	ND	1
EX24	10/17/2003	n-Propylbenzene	ug/l	ND	1
EX24	3/27/2003	Oil and Grease, Total	mg/l	ND	5
EX24	5/5/2003	Oil and Grease, Total	mg/l	ND	5
EX24	7/17/2003	Oil and Grease, Total	mg/l	ND	5
EX24	10/17/2003	Oil and Grease, Total	mg/l	ND	5
EX24	3/27/2003	o-Xylene	ug/l	ND	1
EX24	5/5/2003	o-Xylene	ug/l	ND	1
EX24	7/17/2003	o-Xylene	ug/l	ND	1
EX24	10/17/2003	o-Xylene	ug/l	ND	1
EX24	3/27/2003	Parathion	ug/l	ND	0.2
EX24	5/5/2003	Parathion	ug/l	ND	0.2
EX24	7/17/2003	Parathion	ug/l	ND	0.2
EX24	10/17/2003	Parathion	ug/l	ND	0.2
EX24	3/27/2003	Pentachlorophenol	ug/l	ND	0.05
EX24	5/5/2003	Pentachlorophenol	ug/l	ND	0.05
EX24	7/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX24	10/17/2003	Pentachlorophenol	ug/l	ND	0.05
EX24	10/17/2003	pH, Field Aqueous	s.u.	6.87	
EX24	3/27/2003	pH, Field Aqueous	s.u.	7.11	
EX24	5/5/2003	pH, Field Aqueous	s.u.	6.73	
EX24	7/17/2003	pH, Field Aqueous	s.u.	6.41	
EX24	3/27/2003	Phenols, Total	mg/l	ND	0.005
EX24	5/5/2003	Phenols, Total	mg/l	ND	0.005
EX24	7/17/2003	Phenols, Total	mg/l	ND	0.005
EX24	10/17/2003	Phenols, Total	mg/l	ND	0.005
EX24	3/27/2003	Picloram	ug/l	ND	0.2
EX24	5/5/2003	Picloram	ug/l	ND	0.2
EX24	7/17/2003	Picloram	ug/l	ND	0.2
EX24	10/17/2003	Picloram	ug/l	ND	0.2
EX24	3/27/2003	p-Isopropyltoluene	ug/l	ND	1
EX24	5/5/2003	p-Isopropyltoluene	ug/l	ND	1
EX24	7/17/2003	p-Isopropyltoluene	ug/l	ND	1

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX24	10/17/2003	p-Isopropyltoluene	ug/l	ND	1
EX24	3/27/2003	Potassium, Total	mg/l	17	0.1
EX24	5/5/2003	Potassium, Total	mg/l	11	0.1
EX24	7/17/2003	Potassium, Total	mg/l	6	0.1
EX24	10/17/2003	Potassium, Total	mg/l	10	0.1
EX24	3/27/2003	p-Xylene	ug/l	ND	1
EX24	5/5/2003	p-Xylene	ug/l	ND	1
EX24	7/17/2003	p-Xylene	ug/l	ND	1
EX24	10/17/2003	p-Xylene	ug/l	ND	1
EX24	3/27/2003	sec-Butylbenzene	ug/l	ND	1
EX24	5/5/2003	sec-Butylbenzene	ug/l	ND	1
EX24	7/17/2003	sec-Butylbenzene	ug/l	ND	1
EX24	10/17/2003	sec-Butylbenzene	ug/l	ND	1
EX24	3/27/2003	Selenium, Total	ug/l	ND	1
EX24	5/5/2003	Selenium, Total	ug/l	ND	1
EX24	7/17/2003	Selenium, Total	ug/l	ND	1
EX24	10/17/2003	Selenium, Total	ug/l	1.4	1
EX24	3/27/2003	Silver, Total	ug/l	ND	5
EX24	5/5/2003	Silver, Total	ug/l	ND	5
EX24	7/17/2003	Silver, Total	ug/l	ND	5
EX24	10/17/2003	Silver, Total	ug/l	ND	5
EX24	3/27/2003	Silvex	ug/l	ND	0.05
EX24	5/5/2003	Silvex	ug/l	ND	0.05
EX24	7/17/2003	Silvex	ug/l	ND	0.05
EX24	10/17/2003	Silvex	ug/l	ND	0.05
EX24	3/27/2003	Simazine	ug/l	ND	0.2
EX24	5/5/2003	Simazine	ug/l	ND	0.2
EX24	7/17/2003	Simazine	ug/l	ND	0.2
EX24	10/17/2003	Simazine	ug/l	ND	0.2
EX24	3/27/2003	Sodium, Total	mg/l	36	0.1
EX24	5/5/2003	Sodium, Total	mg/l	48	0.1
EX24	7/17/2003	Sodium, Total	mg/l	49	0.1
EX24	10/17/2003	Sodium, Total	mg/l	58	0.1
EX24	10/17/2003	Specific Conductance, Field	umhos/cm	710	1
EX24	3/27/2003	Specific Conductance, Field	umhos/cm	970	1
EX24	5/ 5/2003	Specific Conductance, Field	umhos/cm	770	1
EX24	7/17/2003	Specific Conductance, Field	umhos/cm	1020	1
EX24	3/27/2003	Styrene	ug/l	ND	1
EX24	5/5/2003	Styrene	ug/l	ND	1
EX24	7/17/2003	Styrene	ug/l	ND	1
EX24	10/17/2003	Styrene	ug/l	ND	1
EX24	3/27/2003	Sulfate, Dissolved	mg/l	5.3	1
EX24	5/5/2003	Sulfate, Dissolved	mg/l	3.5	1
EX24	7/17/2003	Sulfate, Dissolved	mg/l	1.3	1
EX24	10/17/2003	Sulfate, Dissolved	mg/l	ND	1
EX24	3/27/2003	Sulfate, Total	mg/l	5.8	1
EX24	5/5/2003	Sulfate, Total	mg/l	4.5	1
EX24	7/17/2003	Sulfate, Total	mg/l	1.3	1
EX24	10/17/2003	Sulfate, Total	mg/l	1.6	1
EX24	3/27/2003	tert-Butylbenzene	ug/l	ND	1
EX24	5/5/2003	tert-Butylbenzene	ug/l	ND	1
EX24	7/17/2003	tert-Butylbenzene	ug/l	ND	1
EX24	10/17/2003	tert-Butylbenzene	ug/l	ND	1
EX24	3/27/2003	Tetrachloroethene	ug/l	ND	1
EX24	5/5/2003	Tetrachloroethene	ug/l	ND	1
EX24	7/17/2003	Tetrachloroethene	ug/l	ND	1
EX24	10/17/2003	Tetrachloroethene	ug/l	ND	1
EX24	3/27/2003	Tetrahydrofuran	ug/l	ND	20
EX24	5/5/2003	Tetrahydrofuran	ug/l	ND	20

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX24	7/17/2003	Tetrahydrofuran	ug/l	ND	20
EX24	10/17/2003	Tetrahydrofuran	ug/l	ND	20
EX24	3/27/2003	Thallium, Total	ug/l	ND	1
EX24	5/5/2003	Thallium, Total	ug/l	ND	1
EX24	7/17/2003	Thallium, Total	ug/l	ND	1
EX24	10/17/2003	Thallium, Total	ug/l	ND	1
EX24	3/27/2003	Total Organic Carbon (TOC)	mg/l	12	0.5
EX24	5/5/2003	Total Organic Carbon (TOC)	mg/l	11	0.5
EX24	7/17/2003	Total Organic Carbon (TOC)	mg/l	13	0.5
EX24	10/17/2003	Total Organic Carbon (TOC)	mg/l	14	0.5
EX24	3/27/2003	Toluene	ug/l	ND	1
EX24	5/5/2003	Toluene	ug/l	ND	1
EX24	7/17/2003	Toluene	ug/l	ND	1
EX24	10/17/2003	Toluene	ug/l	ND	1
EX24	3/27/2003	Total Dissolved Solids	mg/l	640	17
EX24	5/5/2003	Total Dissolved Solids	mg/l	700	17
EX24	7/17/2003	Total Dissolved Solids	mg/l	690	17
EX24	10/17/2003	Total Dissolved Solids	mg/l	700	51
EX24	3/27/2003	Toxaphene	ug/l	ND	1.5
EX24	5/5/2003	Toxaphene	ug/l	ND	1.5
EX24	7/17/2003	Toxaphene	ug/l	ND	1.5
EX24	10/17/2003	Toxaphene	ug/l	ND	1.5
EX24	3/27/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX24	5/5/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX24	7/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX24	10/17/2003	trans-1,2-Dichloroethene	ug/l	ND	1
EX24	3/27/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX24	5/5/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX24	7/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX24	10/17/2003	trans-1,3-Dichloropropene	ug/l	ND	1
EX24	3/27/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX24	5/5/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX24	7/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX24	10/17/2003	trans-1,4-Dichloro-2-Butene	ug/l	ND	1
EX24	3/27/2003	Trichloroethene	ug/l	ND	1
EX24	5/5/2003	Trichloroethene	ug/l	ND	1
EX24	7/17/2003	Trichloroethene	ug/l	ND	1
EX24	10/17/2003	Trichloroethene	ug/l	ND	1
EX24	3/27/2003	Trichlorofluoromethane	ug/l	ND	1
EX24	5/5/2003	Trichlorofluoromethane	ug/l	ND	1
EX24	7/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX24	10/17/2003	Trichlorofluoromethane	ug/l	ND	1
EX24	3/27/2003	Vanadium, Total	ug/l	65	5
EX24	5/5/2003	Vanadium, Total	ug/l	19	5
EX24	7/17/2003	Vanadium, Total	ug/l	ND	5
EX24	10/17/2003	Vanadium, Total	ug/l	19	5
EX24	3/27/2003	Vinyl Acetate	ug/l	ND	5
EX24	5/5/2003	Vinyl Acetate	ug/l	ND	5
EX24	7/17/2003	Vinyl Acetate	ug/l	ND	5
EX24	10/17/2003	Vinyl Acetate	ug/l	ND	5
EX24	3/27/2003	Vinyl Chloride	ug/l	ND	2
EX24	5/5/2003	Vinyl Chloride	ug/l	ND	2
EX24	7/17/2003	Vinyl Chloride	ug/l	ND	2
EX24	10/17/2003	Vinyl Chloride	ug/l	ND	2
EX24	3/27/2003	Xylenes, Total	ug/l	ND	3
EX24	5/5/2003	Xylenes, Total	ug/l	ND	3
EX24	7/17/2003	Xylenes, Total	ug/l	ND	3
EX24	10/17/2003	Xylenes, Total	ug/l	ND	3
EX24	3/27/2003	Zinc, Total	ug/l	140	6

TABLE 812.317-7
BACKGROUND GROUNDWATER QUALITY DATA - ORGANIC SOIL
1st Quarter 2003 through 4th Quarter 2003
Clinton Landfill No. 3

Well No.	Date Sampled	Parameter	Units	Result	Method Detection Limit (MDL)
EX24	5/5/2003	Zinc, Total	ug/l	48	6
EX24	7/17/2003	Zinc, Total	ug/l	12	6
EX24	10/17/2003	Zinc, Total	ug/l	54	6
EX24	3/27/2003	Zinc, Dissolved	ug/l	11	6
EX24	5/5/2003	Zinc, Dissolved	ug/l	11	6
EX24	7/17/2003	Zinc, Dissolved	ug/l	ND	6
EX24	10/17/2003	Zinc, Dissolved	ug/l	7.5	6

Notes:
1. ND = Not-Detected at the specified MDL.
2. ug/l = micrograms per liter = parts per billion (ppb.)
3. mg/l = milligrams per liter = parts per million (ppm.)
4. s.u. = standard units
5. umhos/cm = micromhos per centimeter
6. Total = unfiltered sample
7. Dissolved = filtered sample

APPENDIX 812.317 – G: BACKGROUND GROUNDWATER QUALITY STATISTICAL ANALYSIS AND RESULTS

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Data Distribution Report - 1st through 4th Quarter 2003

Company: Clinton Landfill, Inc #3
Site: Clinton Landfill, Inc #3
Program: CCR/3 RCRA
Permit:
Minimum Size: 3,000
Report printed: 10/18/2006 1:22:33PM
Report Options: by samplingpoint

Data Group: 2 - Mons
Date Range: 01-01-2003 thru 12-31-2003
Non-detects: 1/2 detection limit
Duplicates: All
Confidence Level: 0.95
Reported by: tsjohnb
Range of Censoring: 0% - 100%
Page: 1

Monitor3

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Unclassified							
PooledUpperRadnor							
Field or Physical Parameters							
COD	mg/L	4	75.0%	Normal	***	-	0.500
pH, Field Aqueous	s.u.	4	0.0%	Normal	0.480	-	0.021
Specific Conductance, Field	µmhos/cm	4	0.0%	Normal	0.634	-	0.063
Herbicides							
2,4-D	µg/L	4	100.0%	Normal	1.000	-	0.000
Alachlor	µg/L	4	100.0%	Normal	1.000	-	0.000
Aldicarb	µg/L	4	100.0%	Normal	1.000	-	0.000
Atrazine	µg/L	4	100.0%	Normal	1.000	-	0.000
Methoxychlor	µg/L	4	100.0%	Normal	1.000	-	0.000
'vex	µg/L	4	100.0%	Normal	1.000	-	0.000
.nazine	µg/L	4	100.0%	Normal	1.000	-	0.000
/rganic Parameters							
Ammonia, Dissolved	mg/L	4	0.0%	Normal	0.550	-	0.396
Ammonia, Total	mg/L	4	0.0%	Normal	0.549	-	0.266
Chloride, Dissolved	mg/L	4	0.0%	Normal	0.109	-	0.205
Chloride, Total	mg/L	4	0.0%	Normal	***	-	0.216
Cyanide - Total	mg/L	4	100.0%	Normal	1.000	-	0.000
Fluoride, Total	mg/L	4	0.0%	Normal	0.947	-	0.135
Nitrate/Nitrite as N Dissolved	mg/L	4	100.0%	Normal	1.000	-	0.000
Nitrate/Nitrite as N, Total	mg/L	4	100.0%	Normal	1.000	-	0.000
Sulfate, Dissolved	mg/L	4	0.0%	Normal	0.192	-	0.608
Sulfate, Total	mg/L	4	0.0%	Normal	0.334	-	0.515
Metals							
Aluminum - Total	µg/L	4	0.0%	Normal	0.284	-	1.250
Antimony - Total	µg/L	4	100.0%	Normal	1.000	-	0.000
Arsenic - Total	µg/L	4	0.0%	Normal	0.597	-	0.520
Arsenic, Dissolved	µg/L	4	0.0%	Normal	0.962	-	0.333
Barium - Total	µg/L	4	0.0%	Normal	0.373	-	0.675
Beryllium - Total	µg/L	4	50.0%	Normal	0.262	-	1.033
Boron, Dissolved	µg/L	4	0.0%	Normal	0.700	-	0.155
Boron, Total	µg/L	4	0.0%	Normal	0.231	-	0.357
Cadmium - Dissolved	µg/L	4	100.0%	Normal	1.000	-	0.000
dmium - Total	µg/L	4	100.0%	Normal	1.000	-	0.000
alcium - Total	mg/L	4	0.0%	Normal	0.310	-	0.858

Note: *** - The number of sampling results must be in the range from 3 to 2000 inclusive, to test for Shapiro-Wilk Distribution.

Data Distribution Report - 1st through 4th Quarter 2003

Site: Clinton Landfill, Inc #3 Data Group: None
Program: CERCLA/RCO Page: 23

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Chromium - Total	µg/L	4	0.0%	Normal	0.299	-	1.075
Cobalt - Total	µg/L	4	0.0%	Normal	0.247	-	1.247
Copper - Total	µg/L	4	25.0%	Normal	0.287	-	1.189
Iron - Dissolved	µg/L	4	0.0%	Lognormal	-	0.230	1.283
Iron - Total	µg/L	4	0.0%	Normal	0.281	-	1.209
Lead - Dissolved	µg/L	4	100.0%	Normal	1.000	-	0.000
Lead - Total	µg/L	4	50.0%	Normal	0.239	-	1.317
Magnesium - Total	mg/L	4	0.0%	Normal	0.302	-	0.774
Manganese - Dissolved	µg/L	4	0.0%	Normal	0.714	-	0.511
Manganese - Total	µg/L	4	0.0%	Normal	0.266	-	1.267
Mercury - Total	µg/L	4	100.0%	Normal	1.000	-	0.000
Mercury, Dissolved	µg/L	4	100.0%	Normal	1.000	-	0.000
Nickel - Total	µg/L	4	0.0%	Normal	0.449	-	1.037
Potassium - Total	mg/L	4	0.0%	Normal	0.252	-	1.066
Selenium - Total	µg/L	4	25.0%	Normal	0.500	-	0.921
Silver - Total	µg/L	4	100.0%	Normal	1.000	-	0.000
Sodium - Total	mg/L	4	0.0%	Non-normal	0.026	0.026	0.024
Thallium - Total	µg/L	4	75.0%	Normal	***	-	0.750
Vanadium - Total	µg/L	4	50.0%	Normal	0.274	-	1.222
nc - Dissolved	µg/L	4	25.0%	Normal	0.464	-	0.535
Zinc - Total	µg/L	4	0.0%	Normal	0.333	-	1.144
Pesticides							
4,4'-DDT	µg/L	4	100.0%	Normal	1.000	-	0.000
Aldrin	µg/L	4	100.0%	Normal	1.000	-	0.000
Carbofuran	µg/L	4	100.0%	Normal	1.000	-	0.000
Chlordane (Tech)	µg/L	4	100.0%	Normal	1.000	-	0.000
Dalapon	µg/L	4	100.0%	Normal	1.000	-	0.000
Dieldrin	µg/L	4	100.0%	Normal	1.000	-	0.000
Dinoseb	µg/L	4	100.0%	Normal	1.000	-	0.000
Endothal	µg/L	4	100.0%	Normal	1.000	-	0.000
Endrin	µg/L	4	100.0%	Normal	1.000	-	0.000
gamma-BHC (Lindane)	µg/L	4	100.0%	Normal	1.000	-	0.000
Heptachlor	µg/L	4	100.0%	Normal	1.000	-	0.000
Heptachlor epoxide	µg/L	4	100.0%	Normal	1.000	-	0.000
Parathion	µg/L	4	100.0%	Normal	1.000	-	0.000
Polychlorinated Biphenyls							
Aroclor 1016	µg/L	4	100.0%	Normal	1.000	-	0.000
Aroclor 1221	µg/L	4	100.0%	Normal	1.000	-	0.000
Aroclor 1232	µg/L	4	100.0%	Normal	1.000	-	0.000
Aroclor 1242	µg/L	4	100.0%	Normal	1.000	-	0.000
Aroclor 1248	µg/L	4	100.0%	Normal	1.000	-	0.000
roclor 1254	µg/L	4	100.0%	Normal	1.000	-	0.000
oclor 1260	µg/L	4	100.0%	Normal	1.000	-	0.000

Note: *** - The number of sampling results must be in the range from 5 to 2000 in order to test for Shapiro Wilk Distribution.

Data Distribution Report - 1st through 4th Quarter 2003

Site: Clinton Landfill, Inc. (0) | Data Group: | Note:
Program: CCR-BGO | Page: 3

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Semi-volatile Organic Compounds							
4-Methylphenol(p-cresol)	µg/L	4	100.0%	Normal	1.000	-	0.000
Benzo(a)pyrene	µg/L	4	100.0%	Normal	1.000	-	0.000
bis(2-Ethylhexyl) phthalate	µg/L	4	75.0%	Normal	***	-	1.226
Di-n-butyl phthalate	µg/L	4	100.0%	Normal	1.000	-	0.000
Diethyl phthalate	µg/L	4	100.0%	Normal	1.000	-	0.000
Dimethyl phthalate	µg/L	4	100.0%	Normal	1.000	-	0.000
Hexachlorobutadiene	µg/L	4	100.0%	Normal	1.000	-	0.000
Hexachlorocyclopentadiene	µg/L	4	100.0%	Normal	1.000	-	0.000
Isophorone	µg/L	4	100.0%	Normal	1.000	-	0.000
Naphthalene	µg/L	4	100.0%	Normal	1.000	-	0.000
Pentachlorophenol	µg/L	4	100.0%	Normal	1.000	-	0.000
Phenols - Total	mg/L	4	100.0%	Normal	1.000	-	0.000
Picloram	µg/L	4	100.0%	Normal	1.000	-	0.000
Toxaphene	µg/L	4	100.0%	Normal	1.000	-	0.000
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	µg/L	4	100.0%	Normal	1.000	-	0.000
1,1,1-Trichloroethane	µg/L	4	100.0%	Normal	1.000	-	0.000
1,2,2-Tetrachloroethane	µg/L	4	100.0%	Normal	1.000	-	0.000
1,2-Trichloroethane	µg/L	4	100.0%	Normal	1.000	-	0.000
1,1-Dichloroethane	µg/L	4	100.0%	Normal	1.000	-	0.000
1,1-Dichloroethene	µg/L	4	100.0%	Normal	1.000	-	0.000
1,1-Dichloropropene	µg/L	4	100.0%	Normal	1.000	-	0.000
1,2,3-Trichlorobenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
1,2,3-Trichloropropane	µg/L	4	100.0%	Normal	1.000	-	0.000
1,2,4-Trichlorobenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
1,2,4-Trimethylbenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
1,2-Dibromo-3-chloropropane	µg/L	4	100.0%	Normal	1.000	-	0.000
1,2-Dichlorobenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
1,2-Dichloroethane	µg/L	4	100.0%	Normal	1.000	-	0.000
1,2-Dichloropropane	µg/L	4	100.0%	Normal	1.000	-	0.000
1,3,5-Trimethylbenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
1,3-Dichlorobenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
1,3-Dichloropropane	µg/L	4	100.0%	Normal	1.000	-	0.000
1,4-Dichlorobenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
2,2-Dichloropropane	µg/L	4	100.0%	Normal	1.000	-	0.000
2-Butanone (MEK)	µg/L	4	100.0%	Normal	1.000	-	0.000
2-Chlorotoluene	µg/L	4	100.0%	Normal	1.000	-	0.000
2-Hexanone (MBK)	µg/L	4	100.0%	Normal	1.000	-	0.000
4-Chlorotoluene	µg/L	4	100.0%	Normal	1.000	-	0.000
4-Methyl-2-Pentanone(MIBK)	µg/L	4	100.0%	Normal	1.000	-	0.000
Acetone	µg/L	4	100.0%	Normal	1.000	-	0.000
Acrolein	µg/L	4	100.0%	Normal	1.000	-	0.000

Note: *** - The number of sampling results must be in the range from 3 to 2000 inclusive, to test for Shapiro-Wilk Distribution.

Distribution Report - 1st through 4th Quarter 2003

Site: Clinton Landfill, Inc. #3 Data Group: Note:
Program: CCR/RCRA Page 4

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Acrylonitrile	µg/L	4	100.0%	Normal	1.000	-	0.000
Benzene	µg/L	4	100.0%	Normal	1.000	-	0.000
Bromobenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
Bromochloromethane	µg/L	4	100.0%	Normal	1.000	-	0.000
Bromodichloromethane	µg/L	4	100.0%	Normal	1.000	-	0.000
Bromoform	µg/L	4	100.0%	Normal	1.000	-	0.000
Bromomethane	µg/L	4	100.0%	Normal	1.000	-	0.000
Carbon disulfide	µg/L	4	75.0%	Normal	***	-	1.273
Carbon tetrachloride	µg/L	4	100.0%	Normal	1.000	-	0.000
Chlorobenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
Chloroethane	µg/L	4	100.0%	Normal	1.000	-	0.000
Chloroform	µg/L	4	100.0%	Normal	1.000	-	0.000
Chloromethane	µg/L	4	100.0%	Normal	1.000	-	0.000
cis-1,2-Dichloroethene	µg/L	4	100.0%	Normal	1.000	-	0.000
cis-1,3-Dichloropropene	µg/L	4	100.0%	Normal	1.000	-	0.000
Dibromochloromethane	µg/L	4	100.0%	Normal	1.000	-	0.000
Dibromomethane	µg/L	4	100.0%	Normal	1.000	-	0.000
Dichlorodifluoromethane	µg/L	4	100.0%	Normal	1.000	-	0.000
Ethyl benzene	µg/L	4	100.0%	Normal	1.000	-	0.000
Ethylene dibromide	µg/L	4	100.0%	Normal	1.000	-	0.000
Iodomethane	µg/L	4	100.0%	Normal	1.000	-	0.000
Isopropyl benzene	µg/L	4	100.0%	Normal	1.000	-	0.000
m/p-Xylene	µg/L	4	100.0%	Normal	1.000	-	0.000
Methylene chloride	µg/L	4	75.0%	Non-normal	0.000	0.000	0.621
n-Butylbenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
n-Propylbenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
o-Xylene	µg/L	4	100.0%	Normal	1.000	-	0.000
P-Isopropyltoluene	µg/L	4	100.0%	Normal	1.000	-	0.000
sec-Butylbenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
Styrene	µg/L	4	100.0%	Normal	1.000	-	0.000
tert-Butylbenzene	µg/L	4	100.0%	Normal	1.000	-	0.000
Tetrachloroethene	µg/L	4	100.0%	Normal	1.000	-	0.000
Tetrahydrofuran	µg/L	4	100.0%	Normal	1.000	-	0.000
Toluene	µg/L	4	100.0%	Normal	1.000	-	0.000
trans-1,2-Dichloroethene	µg/L	4	100.0%	Normal	1.000	-	0.000
trans-1,3-Dichloropropene	µg/L	4	100.0%	Normal	1.000	-	0.000
trans-1,4-Dichloro-2-butene	µg/L	4	100.0%	Normal	1.000	-	0.000
Trichloroethene	µg/L	4	100.0%	Normal	1.000	-	0.000
Trichlorofluoromethane	µg/L	4	100.0%	Normal	1.000	-	0.000
Vinyl acetate	µg/L	4	100.0%	Normal	1.000	-	0.000
Vinyl chloride	µg/L	4	100.0%	Normal	1.000	-	0.000
Xylenes - Total	µg/L	4	100.0%	Normal	1.000	-	0.000

Water Quality Indicator Parameters

Note: *** - The number of sampling results must be in the range from 3 to 2000 inclusive, to test for Shapiro-Wilk Distribution.

Data Distribution Report - 1st through 4th Quarter 2003

Site: Chiquet Landfill, Inc #3 | Data Group: None
Program: CH#3 BGO | Page: 5

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
BOD 5	mg/L	4	0.0%	Normal	0.881	-	0.342
Oil and Grease, Total	mg/L	4	100.0%	Normal	1.000	-	0.000
TOC	mg/L	4	0.0%	Normal	0.337	-	0.069
Total Dissolved Solids	mg/L	4	0.0%	Normal	0.633	-	0.060

End of report

Note: *** - The number of sample results must be in the range from 3 to 2000 inclusive, to test for Shapiro-Wilk Distribution.

Descriptive Statistics Report - 1st Quarter through 4th Quarter 2003

Company: ...ton Landfill, Inc.
Site: Clinton Landfill, Inc #3
Program: CLI#3 BGQ
Permit:
Minimum Size: 3
Report printed: 10/18/2005 1:24:22PM
Report Options by sampling point

Data Group: I
Date Range: 01-01-2003 to 12-31-2003
Non-detects: 1/2 detection limit
Duplicates: All
Log Transform: No
Range of Censoring: 0% - 100%
Reported by: tsjohnb
Page 1

Monitor 5

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Unclassified													
PooledUpperRadnor													
Field or Physical Parameters													
COD	mg/L	4	75.0%	4.000	3.000	2.000	4.000	0.500	1.000	1.155	-0.667	ND	7.000
pH, Field Aqueou	s.u.	4	0.0%	6.992	6.980	0.147	0.022	0.021	0.968	0.145	-1.721	6.850	7.160
Specific Conducta	µmhos/cr	4	0.0%	837.500	832.500	52.716	2779.000	0.063	0.980	0.197	-1.595	785.000	900.000
Herbicides													
2,4-D	µg/L	4	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Alachlor	µg/L	4	100.0%	0.200	0.200	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aldicarb	µg/L	4	100.0%	0.200	0.200	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Atrazine	µg/L	4	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Methoxychlor	µg/L	4	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Silvex	µg/L	4	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Simazine	µg/L	4	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Inorganic Parameters													
Ammonia, Dissolv	mg/L	4	0.0%	7.725	8.150	3.061	9.369	0.396	0.949	-0.468	-0.951	3.600	11.000
Ammonia, Total	mg/L	4	0.0%	9.300	9.600	2.474	6.120	0.266	0.990	-0.412	-0.962	6.000	12.000
Chloride, Dissolve	mg/L	4	0.0%	4.150	3.850	0.850	0.723	0.205	0.887	1.014	-0.758	3.500	5.400
Chloride, Total	mg/L	4	0.0%	3.700	3.300	0.800	0.640	0.216	1.000	1.155	-0.667	3.300	4.900
Cyanide - Total	mg/L	4	100.0%	0.003	0.003	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Fluoride, Total	mg/L	4	0.0%	0.470	0.475	0.063	0.004	0.135	0.992	-0.226	-1.129	0.390	0.542
Nitrate/Nitrite as I	mg/L	4	100.0%	0.010	0.010	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Nitrate/Nitrite as I	mg/L	4	100.0%	0.010	0.010	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Sulfate, Dissolved	mg/L	4	0.0%	2.025	1.600	1.231	1.516	0.608	0.915	0.911	-0.885	1.100	3.800
Sulfate, Total	mg/L	4	0.0%	1.700	1.450	0.876	0.767	0.515	0.942	0.671	-1.152	1.000	2.900
Metals													
Aluminum - Total	µg/L	4	0.0%	61165.000	42100.000	76433.027	5.842e+009	1.250	0.942	0.462	-1.409	460.000	160000.000
Antimony - Total	µg/L	4	100.0%	1.500	1.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Site: inton Landfill, Inc #3 Data Group:
Program: LI#3 BGQ Page 2

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Arsenic - Total	µg/L	4	0.0%	162.750	145.000	84.677	7170.250	0.520	0.960	0.653	-0.970	81.000	280.000
Arsenic, Dissolve	µg/L	4	0.0%	46.250	45.500	15.392	236.917	0.333	0.998	0.140	-1.304	29.000	65.000
Barium - Total	µg/L	4	0.0%	492.500	425.000	332.503	110558.333	0.675	0.954	0.374	-1.509	210.000	910.000
Beryllium - Total	µg/L	4	50.0%	3.175	2.500	3.280	10.756	1.033	1.000	0.319	-1.586	ND	7.200
Boron, Dissolved	µg/L	4	0.0%	320.000	315.000	49.666	2466.667	0.155	0.984	0.226	-1.526	270.000	380.000
Boron, Total	µg/L	4	0.0%	422.500	405.000	150.859	22758.333	0.357	0.941	0.135	-1.817	290.000	590.000
Cadmium - Dissol	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Cadmium - Total	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Calcium - Total	mg/L	4	0.0%	280.000	222.000	240.300	57744.000	0.858	0.945	0.455	-1.417	86.000	590.000
Chromium - Total	µg/L	4	0.0%	124.025	104.000	133.368	17786.936	1.075	0.949	0.216	-1.711	8.100	280.000
Cobalt - Total	µg/L	4	0.0%	44.575	27.950	55.604	3091.816	1.247	0.933	0.632	-1.208	2.400	120.000
Copper - Total	µg/L	4	25.0%	114.125	87.500	135.682	18409.729	1.189	0.946	0.310	-1.598	ND	280.000
Iron - Dissolved	µg/L	4	0.0%	582.500	245.000	747.189	558291.667	1.283	0.827	1.134	-0.682	140.000	1700.000
Iron - Total	µg/L	4	0.0%	114400.000	82100.000	138298.903	1.913e+010	1.209	0.943	0.408	-1.476	3400.000	290000.000
Lead - Dissolved	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Lead - Total	µg/L	4	50.0%	79.000	47.750	104.022	10820.500	1.317	0.990	0.629	-1.211	ND	220.000
Magnesium - Tota	mg/L	4	0.0%	141.750	117.500	109.783	12052.250	0.774	0.946	0.385	-1.504	52.000	280.000
Manganese - Diss	µg/L	4	0.0%	66.500	64.500	33.985	1155.000	0.511	0.965	0.202	-0.996	27.000	110.000
Manganese - Tota	µg/L	4	0.0%	1853.750	1186.000	2348.863	5.517e+006	1.267	0.937	0.583	-1.265	43.000	5000.000
Mercury - Total	µg/L	4	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Mercury, Dissolve	µg/L	4	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Nickel - Total	µg/L	4	0.0%	139.750	101.500	144.965	21014.917	1.037	0.952	0.693	-1.089	16.000	340.000
Potassium - Total	mg/L	4	0.0%	21.850	17.350	23.302	542.963	1.066	0.999	0.283	-1.632	2.700	50.000
Selenium - Total	µg/L	4	25.0%	2.750	2.250	2.533	6.417	0.921	0.965	0.426	-1.414	ND	6.000
Silver - Total	µg/L	4	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Sodium - Total	mg/L	4	0.0%	24.500	24.500	0.577	0.333	0.024	1.000	0.000	-2.000	24.000	25.000
Thallium - Total	µg/L	4	75.0%	0.800	0.500	0.600	0.360	0.750	1.000	1.155	-0.667	ND	1.700
Vanadium - Total	µg/L	4	50.0%	113.750	81.250	138.992	19318.750	1.222	1.000	0.404	-1.481	ND	290.000
Zinc - Dissolved	µg/L	4	25.0%	10.275	11.550	5.493	30.169	0.535	0.959	-0.533	-1.294	ND	15.000
Zinc - Total	µg/L	4	0.0%	262.500	191.500	300.418	90251.000	1.144	0.948	0.454	-1.417	17.000	650.000
Pesticides													
4,4'-DDT	µg/L	4	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aldrin	µg/L	4	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Carbofuran	µg/L	4	100.0%	0.750	0.750	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chlordane (Tech)	µg/L	4	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dalapon	µg/L	4	100.0%	0.750	0.750	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dieldrin	µg/L	4	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dinoseb	µg/L	4	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Endothal	µg/L	4	100.0%	20.000	20.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Endrin	µg/L	4	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
gamma-BHC (Lin	µg/L	4	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Heptachlor	µg/L	4	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Heptachlor epoxid	µg/L	4	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Parathion	µg/L	4	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Polychlorinated Biphenyls													
Aroclor 1016	µg/L	4	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1221	µg/L	4	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1232	µg/L	4	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1242	µg/L	4	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1248	µg/L	4	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1254	µg/L	4	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1260	µg/L	4	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Semi-volatile Organic Compounds													
4-Methylphenol(p	µg/L	4	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Benzo(a)pyrene	µg/L	4	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
bis(2-Ethylhexyl)	µg/L	4	75.0%	7.750	3.000	9.500	90.250	1.226	1.000	1.155	-0.667	ND	22.000
Di-n-butyl phthala	µg/L	4	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Diethyl phthalate	µg/L	4	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dimethyl phthalat	µg/L	4	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Hexachlorobutadi	µg/L	4	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Hexachlorocyclop	µg/L	4	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Isophorone	µg/L	4	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Naphthalene	µg/L	4	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Pentachloropheno	µg/L	4	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Phenols - Total	mg/L	4	100.0%	0.003	0.003	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Picloram	µg/L	4	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Toxaphene	µg/L	4	100.0%	0.750	0.750	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Volatile Organic Compounds													
1,1,1,2-Tetrachlor	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1,1-Trichloroeth	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1,2,2-Tetrachlor	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1,2-Trichloroeth	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1-Dichloroethan	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1-Dichloroethen	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1-Dichloroprope	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,3-Trichlorobe	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,3-Trichloropr	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,4-Trichlorobe	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,4-Trimethylbe	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dibromo-3-ch	µg/L	4	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dichlorobenze	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dichloroethan	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dichloropropa	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,3,5-Trimethylbe	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,3-Dichlorobenze	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,3-Dichloropropa	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,4-Dichlorobenze	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2,2-Dichloropropa	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2-Butanone (MEK	µg/L	4	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2-Chlorotoluene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2-Hexanone (MBI	µg/L	4	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
4-Chlorotoluene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
4-Methyl-2-Pentar	µg/L	4	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Acetone	µg/L	4	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Acrolein	µg/L	4	100.0%	25.000	25.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Acrylonitrile	µg/L	4	100.0%	25.000	25.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Benzene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromobenzene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromochlorometh	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Descriptive Statistics Report - 1st Quarter through 4th Quarter 2005

Site: nton Landfill, Inc #3 Data Group: I
Program: CL#3 BGQ Page 5

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Bromodichlorome	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromoform	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromomethane	µg/L	4	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Carbon disulfide	µg/L	4	75.0%	1.375	0.500	1.750	3.063	1.273	1.000	1.155	-0.667	ND	4.000
Carbon tetrachlori	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chlorobenzene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chloroethane	µg/L	4	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chloroform	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chloromethane	µg/L	4	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
cis-1,2-Dichloroet	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
cis-1,3-Dichloropr	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dibromochlorome	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dibromomethane	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dichlorodifluoron	µg/L	4	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Ethyl benzene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Ethylene dibromid	µg/L	4	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Iodomethane	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Isopropyl benzene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
m/p-Xylene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Methylene chlorid	µg/L	4	75.0%	3.625	2.500	2.250	5.062	0.621	1.000	1.155	-0.667	ND	7.000
n-Butylbenzene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
n-Propylbenzene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
o-Xylene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
P-Isopropyltoluen	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
sec-Butylbenzene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Styrene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
tert-Butylbenzene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Tetrachloroethene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Tetrahydrofuran	µg/L	4	100.0%	10.000	10.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Toluene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
trans-1,2-Dichloro	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
trans-1,3-Dichloro	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
trans-1,4-Dichloro	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Site: Clinton Landfill, Inc #3 Data Group:
Program: CLI#3 BGQ Page 6

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Trichloroethene	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Trichlorofluorome	µg/L	4	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Vinyl acetate	µg/L	4	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Vinyl chloride	µg/L	4	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Xylenes - Total	µg/L	4	100.0%	1.500	1.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Water Quality Indicator Parameters													
BOD 5	mg/L	4	0.0%	24.250	23.500	8.302	68.917	0.342	0.984	0.296	-1.063	15.000	35.000
Oil and Grease, T	mg/L	4	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
TOC	mg/L	4	0.0%	8.100	8.250	0.560	0.313	0.069	0.929	-0.830	-0.855	7.300	8.600
Total Dissolved S	mg/L	4	0.0%	530.000	535.000	31.623	1000.000	0.060	0.977	-0.365	-1.427	490.000	560.000

End of report.

Tolerance Limits Report - ND ≤15%

Company:	Clinton Landfill, Inc.	Data Group:	None
Site:	Clinton Landfill, Inc #3	Date Range:	01-01-2003 to 12-31-2003
Program:	CCR BGG	Non-detects:	1/2 detection limit
Permit:		Duplicates:	All
Minimum Size:	3	Confidence:	95%
Report printed:	10/21/2005 2:26:48PM	Log Transform:	NO
Reported by:	[illegible]	Range of Censoring:	0.5 - 1.0
Report Options:	Normal/area point by sampling point	Cut-off date:	10-20-2005
		Page	1 of 2

Parameter	Unit	Sample Size	%NDs	Tolerance Limit	Exceeded Result	Sample ID	Sample Date
Unclassified							
PooledUpperRadnor					Max Result > TL ?		
Field or Physical Parameters							
pH, Field Aqueous	s.u.	4	0.0%	7.749			
Specific Conductance, Field	µmhos/cm	4	0.0%	1108.725			
Inorganic Parameters							
Ammonia, Dissolved	mg/L	4	0.0%	23.473			
Ammonia, Total	mg/L	4	0.0%	22.028			
Chloride, Dissolved	mg/L	4	0.0%	8.526			
Chloride, Total	mg/L	4	0.0%	7.816			
Fluoride, Total	mg/L	4	0.0%	0.797			
Sulfate, Dissolved	mg/L	4	0.0%	8.359			
Sulfate, Total	mg/L	4	0.0%	6.205			
Metals					(None)		
[illegible]inum - Total	µg/L	4	0.0%	454412.922			
[illegible]enic - Total	µg/L	4	0.0%	598.415			
Arsenic, Dissolved	µg/L	4	0.0%	125.442			
Barium - Total	µg/L	4	0.0%	2203.229			
Boron, Dissolved	µg/L	4	0.0%	575.529			
Boron, Total	µg/L	4	0.0%	1198.668			
Calcium - Total	mg/L	4	0.0%	1516.343			
Chromium - Total	µg/L	4	0.0%	810.202			
Cobalt - Total	µg/L	4	0.0%	330.658			
Iron - Total	µg/L	4	0.0%	825947.858			
Magnesium - Total	mg/L	4	0.0%	706.582			
Manganese - Dissolved	µg/L	4	0.0%	241.354			
Manganese - Total	µg/L	4	0.0%	13938.652			
Nickel - Total	µg/L	4	0.0%	885.596			
Potassium - Total	mg/L	4	0.0%	141.737			
Zinc - Total	µg/L	4	0.0%	1808.151			
Water Quality Indicator Parameters							
BOD 5	mg/L	4	0.0%	66.962			
TOC	mg/L	4	0.0%	10.980			
Total Dissolved Solids	mg/L	4	0.0%	692.699			

End of report

For pH: Lower TL = Mean - (Upper TL - Mean)
= 6.992 - (7.749 - 6.992)
= 6.992 - 0.757
Lower TL = 6.235

Tolerance Limits Report - ND <15%

Company:	Clinton Landfill, Inc.	Data Group:	None
Site:	Clinton Landfill, Inc #3	Date Range:	01-01-2008 to 12-01-2008
Program:	CCR Rule	Non-detect(s):	Yes
Permit:		Duplicates:	All
Minimum size:		Confidence:	95%
Report printed:	01/27/2009 2:51:20 PM	Pool Requirement:	
Report edited by:	(none)	Background Constituent:	
Report Options:	Normal units print by sampling point	Upper Limit:	100.00%
		Lower Limit:	0.00%

Parameter	Unit	Sample Size	%NDs	Tolerance Limit	Exceeded Result	Sample ID	Sample Date
Unclassified							
PooledUpperRadnor					Max. Detected Value > TL ?		
Metals							
Iron - Dissolved	µg/L	4	0.0%	3262.640	(No)		

End of report

Note: The statistics are replaced by the corresponding minimum variance unbiased estimates for the log-normal distribution.

Maximum Detected Value Report - ND <15% (Non-normal Dist)

Company:	Clinton Landfill, Inc	Data Group:	Notes:
Site:	Clinton Landfill, Inc #3	Date Range:	01/01/2003 12:00:00AM - 12/31/2003
Program:	GROUNDWATER	Non-detects:	1/2 detected limit
Permit:		Duplicates:	All
Report printed:	02/12/2004 11:36:30PM	Reported by:	Location
Report Options:	By sampling point	Data:	Limited

Sampling Point	Parameter	Unit	Sample ID	Date	Regulation Limit	Result
Unclassified						
PooledUpperRadnor	Sodium - Total	mg/L	327038	3/27/3	-	25.000

End of report

0% ND

Tolerance Limits Report - NPDES-5002

Company:	Clinton Landfill, Inc.	Data Group:	Monitoring
Site:	Clinton Landfill, Inc #3	Date Range:	10/1/2002 to 12/31/2007
Program:	CCR Rule	Non-detects:	Non-detects omitted
Permit:		Duplicates:	Averaged
Minimum Size:	4	Confidence:	95%
Report printed:	10/2/2008 2:40:38 PM	Prg-Hdn Comps:	3/3
Report folder:	Default	Range of Concern:	100%
Report Options:	Normality tests, point by Sample/Upgradient	Cut-off Date:	10/2/2008
		Prob:	0.05

Parameter	Unit	Sample Size	%NDs	Tolerance Limit	Exceeded Result	Sample ID	Sample Date
Unclassified							
PooledUpperRadnor					May Detected Value > TL ?		
Metals							
Beryllium - Total	µg/L	4	50.0%	27.599			
Copper - Total	µg/L	4	25.0%	850.906	(None)		
Lead - Total	µg/L	4	50.0%	836.052			
Selenium - Total	µg/L	4	25.0%	16.573			
Vanadium - Total	µg/L	4	50.0%	1109.585			
Zinc - Dissolved	µg/L	4	25.0%	41.282			

End of report

Maximum Detected Value Report - ND 5% 99%

Company: Clinton Landfill, Inc.
Site: Clinton Landfill, Inc #3
Program: CCR/A (Gen)
Permit:
Report printed: 10/31/2005 2:49:00PM
Report Options: by sampling point

Data Group: None
Date Range: 01-01-2003 thru 12-31-2003
Non-Detects: Considered
Duplicates: All
Reported by: Station
Page: 1

Sampling Point	Parameter	Unit	Sample ID	Date	Regulation Limit	Result
Unclassified						
PooledUpperRadnor	COD	mg/L	327038	3/27/3	-	7.000
PooledUpperRadnor	Thallium - Total	µg/L	327038	3/27/3	-	1.700
PooledUpperRadnor	bis(2-Ethylhexyl) phthalate	µg/L	327038	3/27/3	-	22.000
PooledUpperRadnor	Carbon disulfide	µg/L	1017033	10/17/3	-	4.000
PooledUpperRadnor	Methylene chloride	µg/L	1017033	10/17/3	-	7.000

End of report

Data Distribution Report - 1st through 4th Quarter 2003

Company: Chevron Products Inc.
Site: Chevron Terminal, Inc. #3
Program: LTMP Report
Period:
Minimum Size: 3000
Report printed: 10/7/2003, 1:11:44PM
Report Options: By sampling point

Data Group: None
Date Range: 01-01-2003 to 12-31-2003
Nondetects: Reduction limit
Duplicates: All
Confidence Level: 90.0%
Formatted by: sgsmith
Range of Censoring: 0% - 100%
Page: 1 of 3

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Unclassified							
PooledLowerRadnor							
Field or Physical Parameters							
COD	mg/L	16	12.5%	Normal	0.517	-	0.456
pH, Field Aqueous	s.u.	16	0.0%	Normal	0.614	-	0.041
Specific Conductance, Field	µmhos/cm	16	0.0%	Normal	0.292	-	0.120
Herbicides							
2,4-D	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Alachlor	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aldicarb	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Atrazine	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Methoxychlor	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
vex	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
mazine	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
organic Parameters							
Ammonia, Dissolved	mg/L	16	0.0%	Normal	0.122	-	0.208
Ammonia, Total	mg/L	16	0.0%	Normal	0.316	-	0.195
Chloride, Dissolved	mg/L	16	0.0%	Normal	0.075	-	0.457
Chloride, Total	mg/L	16	0.0%	Normal	0.132	-	0.423
Cyanide - Total	mg/L	16	100.0%	Normal	1.000	-	0.000
Fluoride, Total	mg/L	16	0.0%	Normal	0.304	-	0.110
Nitrate/Nitrite as N Dissolved	mg/L	16	87.5%	Non-normal	0.000	0.000	0.547
Nitrate/Nitrite as N, Total	mg/L	16	93.8%	Non-normal	0.000	0.000	0.279
Sulfate, Dissolved	mg/L	16	43.8%	Non-normal	0.000	0.012	1.287
Sulfate, Total	mg/L	16	25.0%	Normal	0.088	-	0.664
Metals							
Aluminum - Total	µg/L	16	0.0%	Lognormal	-	0.274	1.158
Antimony - Total	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Arsenic - Total	µg/L	16	0.0%	Normal	0.103	-	0.322
Arsenic, Dissolved	µg/L	16	0.0%	Normal	0.215	-	0.693
Barium - Total	µg/L	16	0.0%	Lognormal	-	0.395	0.439
Beryllium - Total	µg/L	16	31.3%	Lognormal	-	0.056	0.981
Boron, Dissolved	µg/L	16	0.0%	Normal	0.252	-	0.289
Boron, Total	µg/L	16	0.0%	Normal	0.241	-	0.209
Cadmium - Dissolved	µg/L	16	100.0%	Lognormal	-	1.000	0.000
admium - Total	µg/L	16	93.8%	Non-normal	0.000	0.000	0.364
alcium - Total	mg/L	16	0.0%	Normal	0.064	-	0.631

Note: *** - The number of sampling results must be in the range from 3 to 2000 inclusive, to test for Shapiro-Wilk Distribution.

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Chromium - Total	µg/L	16	0.0%	Lognormal	-	0.463	1.026
Cobalt - Total	µg/L	16	6.3%	Lognormal	-	0.627	1.027
Copper - Total	µg/L	16	6.3%	Lognormal	-	0.341	1.061
Iron - Dissolved	µg/L	16	0.0%	Non-normal	0.000	0.000	0.542
Iron - Total	µg/L	16	0.0%	Lognormal	-	0.332	0.900
Lead - Dissolved	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Lead - Total	µg/L	16	0.0%	Lognormal	-	0.400	1.172
Magnesium - Total	mg/L	16	0.0%	Lognormal	-	0.102	1.439
Manganese - Dissolved	µg/L	16	0.0%	Normal	0.180	-	0.283
Manganese - Total	µg/L	16	0.0%	Lognormal	-	0.521	0.930
Mercury - Total	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Mercury, Dissolved	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Nickel - Total	µg/L	16	6.3%	Lognormal	-	0.827	1.752
Potassium - Total	mg/L	16	0.0%	Non-normal	0.000	0.001	3.413
Selenium - Total	µg/L	16	31.3%	Lognormal	-	0.113	0.996
Silver - Total	µg/L	16	100.0%	Normal	1.000	-	0.000
Sodium - Total	mg/L	16	0.0%	Non-normal	0.000	0.000	3.766
Thallium - Total	µg/L	16	81.3%	Non-normal	0.000	0.000	0.753
Vanadium - Total	µg/L	16	6.3%	Lognormal	-	0.306	1.037
Zinc - Dissolved	µg/L	16	50.0%	Non-normal	0.001	0.003	0.595
Zinc - Total	µg/L	16	0.0%	Lognormal	-	0.756	1.143
Pesticides							
4,4'-DDT	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aldrin	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Carbofuran	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Chlordane (Tech)	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Dalapon	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Dieldrin	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Dinoseb	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Endothal	µg/L	16	100.0%	Normal	1.000	-	0.000
Endrin	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
gamma-BHC (Lindane)	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Heptachlor	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Heptachlor epoxide	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Parathion	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Polychlorinated Biphenyls							
Aroclor 1016	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1221	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1232	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1242	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1248	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1254	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1260	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000

Note: *** - The number of sample results must be in the range from 3 to 2000 inclusive, to test for Shapiro-Wilk Distribution.

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Semi-volatile Organic Compounds							
4-Methylphenol(p-cresol)	µg/L	16	100.0%	Normal	1.000	-	0.000
Benzo(a)pyrene	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
bis(2-Ethylhexyl) phthalate	µg/L	16	81.3%	Non-normal	0.000	0.000	0.440
Di-n-butyl phthalate	µg/L	16	100.0%	Normal	1.000	-	0.000
Diethyl phthalate	µg/L	16	100.0%	Normal	1.000	-	0.000
Dimethyl phthalate	µg/L	16	100.0%	Normal	1.000	-	0.000
Hexachlorobutadiene	µg/L	16	100.0%	Normal	1.000	-	0.000
Hexachlorocyclopentadiene	µg/L	16	100.0%	Normal	1.000	-	0.000
Isophorone	µg/L	16	100.0%	Normal	1.000	-	0.000
Naphthalene	µg/L	16	100.0%	Normal	1.000	-	0.000
Pentachlorophenol	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Phenols - Total	mg/L	16	100.0%	Normal	1.000	-	0.000
Picloram	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Toxaphene	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,1,1-Trichloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
,2,2-Tetrachloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
,2-Trichloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
,1-Dichloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,1-Dichloroethene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,1-Dichloropropene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2,3-Trichlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2,3-Trichloropropane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2,4-Trichlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2,4-Trimethylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2-Dibromo-3-chloropropane	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
1,2-Dichlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2-Dichloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2-Dichloropropane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,3,5-Trimethylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,3-Dichlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,3-Dichloropropane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,4-Dichlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
2,2-Dichloropropane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
2-Butanone (MEK)	µg/L	16	100.0%	Normal	1.000	-	0.000
2-Chlorotoluene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
2-Hexanone (MBK)	µg/L	16	100.0%	Normal	1.000	-	0.000
4-Chlorotoluene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
4-Methyl-2-Pentanone(MIBK)	µg/L	16	100.0%	Normal	1.000	-	0.000
etone	µg/L	16	100.0%	Normal	1.000	-	0.000
crolein	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000

Note: *** - The number of sampling results must be in the range from 3 to 2000, inclusive, to test for Shapiro-Wilk Distribution.

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Acrylonitrile	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Benzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Bromobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Bromochloromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Bromodichloromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Bromoform	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Bromomethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Carbon disulfide	µg/L	16	81.3%	Non-normal	0.000	0.000	1.639
Carbon tetrachloride	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Chlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Chloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Chloroform	µg/L	16	93.8%	Non-normal	0.000	0.000	0.235
Chloromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
cis-1,2-Dichloroethene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
cis-1,3-Dichloropropene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Dibromochloromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Dibromomethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Dichlorodifluoromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
hyl benzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
thylene dibromide	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Iodomethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Isopropyl benzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
m/p-Xylene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Methylene chloride	µg/L	16	100.0%	Normal	1.000	-	0.000
n-Butylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
n-Propylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
o-Xylene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
P-Isopropyltoluene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
sec-Butylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Styrene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
tert-Butylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Tetrachloroethene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Tetrahydrofuran	µg/L	16	100.0%	Normal	1.000	-	0.000
Toluene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
trans-1,2-Dichloroethene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
trans-1,3-Dichloropropene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
trans-1,4-Dichloro-2-butene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Trichloroethene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Trichlorofluoromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Vinyl acetate	µg/L	16	100.0%	Normal	1.000	-	0.000
Vinyl chloride	µg/L	16	100.0%	Lognormal	-	1.000	0.000
ylenes - Total	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
ater Quality Indicator Parameters							

Note: *** - The number of sampling results must be in the range from 3 to 2000 inclusive, to test for Shapiro Wilk Distribution.

Data Distribution Report - 1st through 4th Quarter 2003

Clinton Landfill, Inc #3 — Data Group: — Notes:
Program: CLI#3 BGO — Page:

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
BOD 5	mg/L	16	6.3%	Normal	0.717	-	0.537
Oil and Grease, Total	mg/L	16	81.3%	Non-normal	0.000	0.000	1.147
TOC	mg/L	16	0.0%	Normal	0.725	-	0.189
Total Dissolved Solids	mg/L	16	0.0%	Normal	0.288	-	0.084

End of report

Note: **** = The number of sampling results must be in the range from 4 to 2000 inclusive, to test for Shapiro-Wilk distribution.

Descriptive Statistics Report - 1st through 4th Quarter 2003

Company: [illegible]on Landfill, Inc.
Site: Clinton Landfill, Inc #3
Program: CLI#3 BGQ
Permit:
Minimum Size: 3
Report printed: 10/17/2005 4:08:59PM
Report Options: by sampling point

Data Group: N
Date Range: 01-01-2003 to 12-31-2003
Non-detects: 1/2 detection limit
Duplicates: All
Log Transform: No
Range of Censoring: 0% - 100%
Reported by: tsjohnb
Page 1

Monitor 5

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Unclassified													
PooledLowerRadnor													
Field or Physical Parameters													
COD	mg/L	16	12.5%	16.875	16.500	7.702	59.317	0.456	0.985	-0.191	-0.306	ND	31.000
pH, Field Aqueous	s.u.	16	0.0%	6.799	6.840	0.281	0.079	0.041	0.985	-0.385	-0.822	6.260	7.230
Specific Conducta	µmhos/cr	16	0.0%	743.312	755.000	88.830	7890.763	0.120	0.955	-0.843	1.109	514.000	890.000
Herbicides													
2,4-D	µg/L	16	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Alachlor	µg/L	16	100.0%	0.200	0.200	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aldicarb	µg/L	16	100.0%	0.200	0.200	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Atrazine	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Methoxychlor	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Silvex	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Simazine	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Inorganic Parameters													
Ammonia, Dissolv	mg/L	16	0.0%	11.025	11.000	2.293	5.257	0.208	0.985	-0.203	-1.234	7.600	14.000
Ammonia, Total	mg/L	16	0.0%	11.387	12.000	2.217	4.913	0.195	0.986	-0.181	-1.085	7.900	15.000
Chloride, Dissolve	mg/L	16	0.0%	2.725	2.900	1.245	1.550	0.457	0.948	0.820	0.237	1.300	5.800
Chloride, Total	mg/L	16	0.0%	2.763	2.900	1.168	1.364	0.423	0.965	0.630	-0.214	1.400	5.500
Cyanide - Total	mg/L	16	100.0%	0.003	0.003	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Fluoride, Total	mg/L	16	0.0%	0.468	0.485	0.052	0.003	0.110	0.962	-0.893	0.474	0.340	0.545
Nitrate/Nitrite as N	mg/L	16	87.5%	0.013	0.010	0.007	0.000	0.547	0.997	2.281	3.227	ND	0.031
Nitrate/Nitrite as N	mg/L	16	93.8%	0.011	0.010	0.003	0.000	0.279	1.000	3.615	11.067	ND	0.022
Sulfate, Dissolved	mg/L	16	43.8%	1.781	1.250	2.293	5.258	1.287	0.797	2.780	7.184	ND	9.700
Sulfate, Total	mg/L	16	25.0%	2.288	2.100	1.520	2.309	0.664	0.987	0.245	-1.330	ND	4.600
Metals													
Aluminum - Total	µg/L	16	0.0%	46449.375	27500.000	53807.119	2.895e+009	1.158	0.857	1.895	3.305	890.000	210000.000
Antimony - Total	µg/L	16	100.0%	1.500	1.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Site: Vinton Landfill, Inc #3 Data Group:
Program: LI#3-BGQ Page

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Arsenic - Total	µg/L	16	0.0%	71.000	80.000	22.871	523.067	0.322	0.968	-0.444	-1.187	33.000	100.000
Arsenic, Dissolve	µg/L	16	0.0%	37.962	36.000	26.310	692.215	0.693	0.976	0.261	-1.030	5.400	84.000
Barium - Total	µg/L	16	0.0%	468.125	370.000	205.661	42296.250	0.439	0.927	1.182	0.710	240.000	1000.000
Beryllium - Total	µg/L	16	31.3%	2.850	1.900	2.796	7.819	0.981	0.915	1.590	2.405	ND	11.000
Boron, Dissolved	µg/L	16	0.0%	421.875	395.000	121.722	14816.250	0.289	0.964	0.871	0.213	270.000	720.000
Boron, Total	µg/L	16	0.0%	481.875	480.000	100.811	10162.917	0.209	0.954	0.645	0.759	300.000	720.000
Cadmium - Dissol	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Cadmium - Total	µg/L	16	93.8%	0.550	0.500	0.200	0.040	0.364	1.000	3.615	11.067	ND	1.300
Calcium - Total	mg/L	16	0.0%	298.500	250.000	188.499	35532.000	0.631	0.945	1.066	0.481	96.000	770.000
Chromium - Total	µg/L	16	0.0%	116.694	61.000	119.715	14331.661	1.026	0.885	1.561	2.106	4.100	460.000
Cobalt - Total	µg/L	16	6.3%	35.550	21.500	36.517	1333.480	1.027	0.900	1.536	2.089	ND	140.000
Copper - Total	µg/L	16	6.3%	72.188	39.000	76.555	5860.729	1.061	0.876	1.709	2.811	ND	300.000
Iron - Dissolved	µg/L	16	0.0%	5121.813	6700.000	2775.111	7.701e+006	0.542	0.881	-1.037	-0.647	39.000	7600.000
Iron - Total	µg/L	16	0.0%	115943.750	115000.000	104338.986	1.089e+010	0.900	0.918	1.347	1.879	8100.000	410000.000
Lead - Dissolved	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Lead - Total	µg/L	16	0.0%	66.606	42.500	78.062	6093.741	1.172	0.831	2.264	5.068	1.300	320.000
Magnesium - Tota	mg/L	16	0.0%	211.438	107.000	304.274	92582.796	1.439	0.692	3.108	8.683	47.000	1300.000
Manganese - Diss	µg/L	16	0.0%	61.812	56.500	17.478	305.496	0.283	0.973	0.399	-1.212	40.000	93.000
Manganese - Tota	µg/L	16	0.0%	1822.625	1350.000	1694.991	2.873e+006	0.930	0.937	1.090	0.669	82.000	6200.000
Mercury - Total	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Mercury, Dissolve	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Nickel - Total	µg/L	16	6.3%	194.969	70.000	341.597	116688.416	1.752	0.707	2.985	8.062	ND	1400.000
Potassium - Total	mg/L	16	0.0%	166.800	15.500	569.240	324034.231	3.413	0.505	3.606	11.029	4.100	2300.000
Selenium - Total	µg/L	16	31.3%	2.138	1.500	2.129	4.535	0.996	0.905	1.635	1.874	ND	8.000
Silver - Total	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Sodium - Total	mg/L	16	0.0%	509.188	30.500	1917.554	3.677e+006	3.766	0.482	3.615	11.067	22.000	7700.000
Thallium - Total	µg/L	16	81.3%	0.725	0.500	0.546	0.298	0.753	0.956	2.465	5.150	ND	2.500
Vanadium - Total	µg/L	16	6.3%	110.719	71.500	114.856	13191.799	1.037	0.882	1.714	2.703	ND	450.000
Zinc - Dissolved	µg/L	16	50.0%	5.662	4.650	3.368	11.345	0.595	0.958	1.316	1.524	ND	15.000
Zinc - Total	µg/L	16	0.0%	237.381	140.000	271.287	73596.646	1.143	0.844	2.125	4.449	7.100	1100.000
Pesticides													
4,4'-DDT	µg/L	16	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aldrin	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Carbofuran	µg/L	16	100.0%	0.750	0.750	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chlordane (Tech)	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dalapon	µg/L	16	100.0%	0.750	0.750	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dieldrin	µg/L	16	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dinoseb	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Endothal	µg/L	16	100.0%	20.000	20.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Endrin	µg/L	16	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
gamma-BHC (Lin	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Heptachlor	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Heptachlor epoxid	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Parathion	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Polychlorinated Biphenyls													
Aroclor 1016	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1221	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1232	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1242	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1248	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1254	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1260	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Semi-volatile Organic Compounds													
4-Methylphenol(p	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Benzo(a)pyrene	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
bis(2-Ethylhexyl)	µg/L	16	81.3%	3.756	3.000	1.653	2.732	0.440	0.995	1.714	1.087	ND	7.600
Di-n-butyl phthala	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Diethyl phthalate	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dimethyl phthalat	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Hexachlorobutadi	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Hexachlorocyclop	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Isophorone	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Naphthalene	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Pentachloropheno	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Phenols - Total	mg/L	16	100.0%	0.003	0.003	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Picloram	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Site: inton Landfill, Inc #3 Data Group: 1
Program: I#3 BGQ Page 4

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Toxaphene	µg/L	16	100.0%	0.750	0.750	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Volatile Organic Compounds													
1,1,1,2-Tetrachlor	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1,1-Trichloroeth	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1,2,2-Tetrachlor	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1,2-Trichloroeth	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1-Dichloroethan	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1-Dichloroethen	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1-Dichloroprope	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,3-Trichlorobe	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,3-Trichloropr	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,4-Trichlorobe	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,4-Trimethylbe	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dibromo-3-ch	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dichlorobenze	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dichloroethan	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dichloropropa	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,3,5-Trimethylbe	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,3-Dichlorobenze	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,3-Dichloropropa	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,4-Dichlorobenze	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2,2-Dichloropropa	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2-Butanone (MEK	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2-Chlorotoluene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2-Hexanone (MBI	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
4-Chlorotoluene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
4-Methyl-2-Pentar	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Acetone	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Acrolein	µg/L	16	100.0%	25.000	25.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Acrylonitrile	µg/L	16	100.0%	25.000	25.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Benzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromobenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromochlorometh	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Bromodichlorome	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromoform	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromomethane	µg/L	16	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Carbon disulfide	µg/L	16	81.3%	1.156	0.500	1.895	3.591	1.639	0.854	3.219	9.119	ND	8.000
Carbon tetrachlori	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chlorobenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chloroethane	µg/L	16	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chloroform	µg/L	16	93.8%	0.531	0.500	0.125	0.016	0.235	1.000	3.615	11.067	ND	1.000
Chloromethane	µg/L	16	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
cis-1,2-Dichloroet	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
cis-1,3-Dichloropr	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dibromochlorome	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dibromomethane	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dichlorodifluoron	µg/L	16	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Ethyl benzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Ethylene dibromid	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Iodomethane	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Isopropyl benzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
m/p-Xylene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Methylene chlorid	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
n-Butylbenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
n-Propylbenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
o-Xylene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
P-Isopropyltoluen	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
sec-Butylbenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Styrene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
tert-Butylbenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Tetrachloroethene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Tetrahydrofuran	µg/L	16	100.0%	10.000	10.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Toluene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
trans-1,2-Dichloro	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
trans-1,3-Dichloro	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
trans-1,4-Dichloro	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Trichloroethene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Trichlorofluorome	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Vinyl acetate	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Vinyl chloride	µg/L	16	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Xylenes - Total	µg/L	16	100.0%	1.500	1.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Water Quality Indicator Parameters													
BOD 5	mg/L	16	6.3%	18.094	17.500	9.716	94.407	0.537	0.990	0.096	-1.053	ND	35.000
Oil and Grease, T	mg/L	16	81.3%	4.819	3.000	5.529	30.566	1.147	0.825	3.326	9.641	ND	25.000
TOC	mg/L	16	0.0%	9.625	9.650	1.822	3.321	0.189	0.995	0.013	-0.840	6.700	13.000
Total Dissolved S	mg/L	16	0.0%	531.250	535.000	44.403	1971.667	0.084	0.971	-0.784	0.512	420.000	590.000

End of report.

Tolerance Limits Report - ND <15%

Company:	Clinton Landfill, Inc.	Data Group:	None
Site:	Clinton Landfill, Inc #3	Date Range:	01-01-2003 to 12-31-2003
Program:	CLI#3 DGQ	Non-detects:	1/2 detection limit
Permit:		Duplicates:	All
Minimum Size:	3	Confidence:	0.95
Report printed:	10/21/2005 10:25:12AM	Log transform:	No
Reported by:	tsmith	Range of Censoring:	0% - 100%
Report Options:	Normal intra point by sampling point	Cut-off date:	10/21/2005
		Page:	1

Parameter	Unit	Sample Size	%NDs	Tolerance Limit	Exceeded Result	Sample ID	Sample Date
Unclassified							
PooledLowerRadnor					Max Detected Value > TL ?		
Field or Physical Parameters							
COD	mg/L	16	12.5%	36.306			
pH, Field Aqueous	s.u.	16	0.0%	7.508			
Specific Conductance, Field	µmhos/cm	16	0.0%	967.430			
Inorganic Parameters							
Ammonia, Dissolved	mg/L	16	0.0%	16.810			
Ammonia, Total	mg/L	16	0.0%	16.980			
Chloride, Dissolved	mg/L	16	0.0%	5.866			
Chloride, Total	mg/L	16	0.0%	5.709	(None)		
Fluoride, Total	mg/L	16	0.0%	0.598			
Metals							
Arsenic - Total	µg/L	16	0.0%	128.703			
Arsenic, Dissolved	µg/L	16	0.0%	104.343			
Boron, Dissolved	µg/L	16	0.0%	728.980			
Boron, Total	µg/L	16	0.0%	736.222			
Calcium - Total	mg/L	16	0.0%	774.084			
Manganese - Dissolved	µg/L	16	0.0%	105.911			
Water Quality Indicator Parameters							
BOD 5	mg/L	16	6.3%	42.608			
TOC	mg/L	16	0.0%	14.223			
Total Dissolved Solids	mg/L	16	0.0%	643.280			

End of report

For pH; Lower TL = Mean - (Upper TL - Mean)
= 6.799 - (7.508 - 6.799)
= 6.799 - 0.709
Lower TL = 6.09

erance Limits Report - ND ≤ 15%

mpany:	Clinton Landfill Inc	Data Group:	None
ite:	Clinton Landfill Inc #1	Date Range:	01-01-2005 to 12-31-2005
Program:	258 DGC	Non-detects:	1/2 detection limit
Permit:		Duplicates:	All
Minimum Size:	4	Confidence:	0.95
Report printed:	10/21/2005 10:43:14AM	Log Transform:	Yes
Reported by:	tgibson	Range of Censoring:	0% - <100%
Report Options:	Normal limits point by sampling point	Cut-off date:	10/20/2005
		Bags:	1 (Month)

Parameter	Unit	Sample Size	%NDs	Tolerance Limit	Exceeded Result	Sample ID	Sample Date
Unclassified					Max Detected Value > TL ?		
PooledLowerRadnor							
Metals							
Aluminum - Total	ug/L	16	0.0%	323093.763			
Barium - Total	ug/L	16	0.0%	943.954	1000		
Chromium - Total	ug/L	16	0.0%	591.108			
Cobalt - Total	ug/L	16	6.3%	204.567			
Copper - Total	ug/L	16	6.3%	437.981			
Iron - Total	ug/L	16	0.0%	552900.086			
Lead - Total	ug/L	16	0.0%	432.820			
Magnesium - Total	mg/L	16	0.0%	630.275	1300		
Manganese - Total	ug/L	16	0.0%	9952.254			
Nickel - Total	ug/L	16	6.3%	1164.065	1400		
nadium - Total	ug/L	16	6.3%	646.560			
ic - Total	ug/L	16	0.0%	1299.457			

End of report

For the following parameters, TL = Max. Detected Value since Max. Detected Value > TL:

Parameter	TL = Max. Det. Value
Barium (Total)	1000 ug/L
Magnesium (Total)	1300 mg/L
Nickel (Total)	1400 ug/L

Note: The statistics are replaced by the corresponding minimum variance unbiased estimates for the log normal distribution.

Maximum Detected Value Report - ND<15% (Non-normal Disch

Company:	Clinton Landfill Inc.	Data Group:	None
Site:	Clinton landfill inc #3	Date Range:	01-01-2003 to 12-31-2003
Program:	40 CFR 136 [EC]	Non-detect:	Use detection limit
Period:		Duplicates:	All
Report printed:	10/21/2005 11:10:42AM	Replicates:	Average
Report Options:	by sampling point	Page:	Metric

Sampling Point	Parameter	Unit	Sample ID	Date	Regulation Limit	Result
Unclassified:						
PooledLowerRadnor	Iron - Dissolved	µg/L	505037	5/5/3	-	7600.000
PooledLowerRadnor	Potassium - Total	mg/L	717035	7/17/3	-	2300.000
PooledLowerRadnor	Sodium - Total	mg/L	717035	7/17/3	-	7700.000

End of report

Tolerance Limits Report - ND 15-50%

Company:	Chiquita Landfill, Inc.	Data Group:	Wells
Site:	Chiquita Landfill, Inc. #1	Date Range:	9/1/2004 - 9/30/2004
Program:	RCRA Part 258	Num Records:	1
Permit:		Distribution:	NP
Minimum Size:	4	Confidence:	95.0%
Report printed:	10/27/2005 11:16:05AM	Log Transform:	No
Reported by:	tcjohnson	Range of Censoring:	0.0% - 100.0%
Report Options:	Normal intra-point by sampling point	Current Date:	10/27/2005
		Index:	1

Parameter	Unit	Sample Size	%NDs	Tolerance Limit	Exceeded Result	Sample ID	Sample Date
Unclassified:							
Pooled Upper/Redmor							
Inorganic Parameters							
Sulfate, Total	mg/L	16	25.0%	6.757			

May Detected Value > TL?
(No)

End of report

lerance Limits Report - ND 15-50%

ompany:	Clinton Landfill Inc	Data Groups:	None
Site:	Clinton Landfill Inc #3	Date Range:	01-01-2003 to 12-31-2003
Program:	CCR/3 BG(2)	Non-detects:	2 Detects methods
Permit:		Duplicates:	All
Minimum Size:	5	Confidence:	95%
Report printed:	09/01/2005 11:55:19AM	Log Transform:	Yes
Reported by:	Bjolitt	Range of Censoring:	0% - 100%
Report Options:	Normal intra-point by sampling point	Calculation:	Parametric
		Page:	1 of 1

Monitor?

Parameter	Unit	Sample Size	%NDs	Tolerance Limit	Exceeded Result	Sample ID	Sample Date
Unclassified							
PooledLowerRatnor					Mor Detect Value > TL?		
Metals							
Beryllium - Total	ug/L	16	31.3%	16.124	(None)		
Selenium - Total	ug/L	16	31.3%	9.757			

End of report

Note: The statistics are replaced by the corresponding minimum variance unbiased estimates for the log-normal distribution.

Maximum Detected Value Report – ND 1/2 (Non-normal Dist.)

Company:	Clinton Landfill Inc.	Data Group:	None
Site:	Clinton Landfill Inc #3	Date Range:	10/01/2005 to 12/31/2008
Program:	CCR/RCRA	Non-detects:	Consider method
Permit:		Duplicates:	Averaged
Report printed:	10/21/2005 11:21:47 AM	Reported by:	All Data
Report Options:	By Sampling Point	Page:	Standard

Sampling Point	Parameter	Unit	Sample ID	Date	Regulation Limit	Result
Unclassified						
PooledLowerRadnor	Sulfate, Dissolved	mg/L	1016034	10/16/3	-	9.700
PooledLowerRadnor	Zinc - Dissolved	µg/L	717033	7/17/3	-	15.000

End of report

Maximum Detected Value Report - ND 51-89%

Company:	Clinton Landfill, Inc.	Data Group:	None
Site:	Clinton Landfill, Inc #3	Date Range:	01/01/2003 to 12/31/2003
Programs:	CCR#3 DQO	Non-detects:	Column's method
Permit:		Duplicates:	All
Report printed:	10/21/2005 11:24:28AM	Reported by:	tsohnb
Report Options:	by sampling point	Page:	1 of 1

Sampling Point	Parameter	Unit	Sample ID	Date	Regulation Limit	Result
Unclassified						
PooledLowerRadnor	Nitrate/Nitrite as N Dissolved	mg/L	327035	3/27/3	-	0.031
PooledLowerRadnor	Thallium - Total	µg/L	327035	3/27/3	-	2.500
PooledLowerRadnor	bis(2-Ethylhexyl) phthalate	µg/L	717033	7/17/3	-	7.600
PooledLowerRadnor	Carbon disulfide	µg/L	717031	7/17/3	-	8.000
PooledLowerRadnor	Oil and Grease, Total	mg/L	327031	3/27/3	-	25.000

End of report

Maximum Detected Value Report - ND 90-99% (Non-normal Dist)

Company: Clinton Landfill, Inc.
Site: Clinton Landfill, Inc. #1
Programs: CCR/RCRA
Permit:
Report printed: 10/2/2006 1:27:20 PM
Report Options: by sampling point

Data Group: None
Date Range: 01-Oct-2003 to 12-Oct-2006
Non-detects: 1/2 detection limit
Duplicates: All
Reported by: Sample
Page: 1

Sampling Point	Parameter	Unit	Sample ID	Date	Regulation Limit	Result
Unclassified						
PooledLowerRadnor	Nitrate/Nitrite as N, Total	mg/L	327033	3/27/3	-	0.022
PooledLowerRadnor	Cadmium - Total	µg/L	327035	3/27/3	-	1.300
PooledLowerRadnor	Chloroform	µg/L	327036	3/27/3	-	1.000

End of report

a Distribution Report - 1st Through 4th Quarter 2005

Company: Clinton Landfill, Inc.
Site: Clinton Landfill, Inc #3
Programs: CCR, RCRA
Permit:
Minimum Size: 3000
Report printed: 10/17/2005, 4:31:24 PM
Report Options: by sampling point

Data Group:
Date Range: 01-01-2005 to 12-31-2005
Non-detects: Use detection limit
Duplicates: Average
Confidence Level: 95%
Reported by: Station
Range of Censoring: 0% - 100%
Page:

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Unclassified							
PooledSangamon							
Field or Physical Parameters							
COD	mg/L	16	18.8%	Lognormal	-	0.331	0.973
pH, Field Aqueous	s.u.	16	0.0%	Normal	0.698	-	0.033
Specific Conductance, Field	µmhos/cm	16	0.0%	Normal	0.256	-	0.196
Herbicides							
2,4-D	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Alachlor	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aldicarb	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Atrazine	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Methoxychlor	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
vex	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
)imazine	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Inorganic Parameters							
Ammonia, Dissolved	mg/L	16	0.0%	Non-normal	0.033	0.003	0.402
Ammonia, Total	mg/L	16	0.0%	Non-normal	0.032	0.003	0.401
Chloride, Dissolved	mg/L	16	0.0%	Lognormal	-	0.656	0.752
Chloride, Total	mg/L	16	0.0%	Normal	0.105	-	0.643
Cyanide - Total	mg/L	16	100.0%	Normal	1.000	-	0.000
Fluoride, Total	mg/L	16	0.0%	Normal	0.769	-	0.133
Nitrate/Nitrite as N Dissolved	mg/L	16	75.0%	Non-normal	0.000	0.000	0.828
Nitrate/Nitrite as N, Total	mg/L	16	87.5%	Non-normal	0.000	0.000	0.642
Sulfate, Dissolved	mg/L	16	31.3%	Non-normal	0.004	0.035	1.097
Sulfate, Total	mg/L	16	25.0%	Lognormal	-	0.141	1.141
Metals							
Aluminum - Total	µg/L	16	0.0%	Lognormal	-	0.387	1.608
Antimony - Total	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Arsenic - Total	µg/L	16	0.0%	Normal	0.251	-	0.524
Arsenic, Dissolved	µg/L	16	0.0%	Normal	0.082	-	0.692
Barium - Total	µg/L	16	0.0%	Normal	0.336	-	0.319
Beryllium - Total	µg/L	16	87.5%	Non-normal	0.000	0.000	0.850
Boron, Dissolved	µg/L	16	0.0%	Normal	0.894	-	0.203
Boron, Total	µg/L	16	0.0%	Normal	0.507	-	0.173
Cadmium - Dissolved	µg/L	16	93.8%	Non-normal	0.000	0.000	0.235
Cadmium - Total	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Calcium - Total	mg/L	16	0.0%	Lognormal	-	0.090	0.308

Note: *** - The number of sampling results must be in the range from 3 to 2000 inclusive, to test for Shapiro-Wilk Distribution.

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Chromium - Total	µg/L	16	12.5%	Lognormal	-	0.279	1.209
Cobalt - Total	µg/L	16	50.0%	Non-normal	0.000	0.003	1.318
Copper - Total	µg/L	16	31.3%	Lognormal	-	0.099	1.850
Iron - Dissolved	µg/L	16	0.0%	Normal	0.192	-	0.833
Iron - Total	µg/L	16	0.0%	Lognormal	-	0.079	1.161
Lead - Dissolved	µg/L	16	93.8%	Non-normal	0.000	0.000	0.800
Lead - Total	µg/L	16	56.3%	Non-normal	0.000	0.000	1.865
Magnesium - Total	mg/L	16	0.0%	Lognormal	-	0.075	0.287
Manganese - Dissolved	µg/L	16	0.0%	Normal	0.128	-	0.578
Manganese - Total	µg/L	16	0.0%	Lognormal	-	0.091	1.062
Mercury - Total	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Mercury, Dissolved	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Nickel - Total	µg/L	16	12.5%	Lognormal	-	0.246	1.005
Potassium - Total	mg/L	16	0.0%	Normal	0.069	-	0.538
Selenium - Total	µg/L	16	81.3%	Non-normal	0.000	0.000	0.681
Silver - Total	µg/L	16	100.0%	Normal	1.000	-	0.000
Sodium - Total	mg/L	16	0.0%	Normal	0.164	-	0.260
Thallium - Total	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Vanadium - Total	µg/L	16	62.5%	Non-normal	0.000	0.000	1.525
Zinc - Dissolved	µg/L	16	31.3%	Lognormal	-	0.075	0.860
Zinc - Total	µg/L	16	6.3%	Lognormal	-	0.841	1.138
Pesticides							
4,4'-DDT	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aldrin	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Carbofuran	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Chlordane (Tech)	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Dalapon	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Dieldrin	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Dinoseb	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Endothal	µg/L	16	100.0%	Normal	1.000	-	0.000
Endrin	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
gamma-BHC (Lindane)	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Heptachlor	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Heptachlor epoxide	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Parathion	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Polychlorinated Biphenyls							
Aroclor 1016	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1221	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1232	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1242	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1248	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1254	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Aroclor 1260	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000

Note: *** - The number of sampling results was less than the range from 3 to 2000 inclusive, so the Shapiro-Wilk Distribution

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Semi-volatile Organic Compounds							
4-Methylphenol(p-cresol)	µg/L	16	100.0%	Normal	1.000	-	0.000
Benzo(a)pyrene	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
bis(2-Ethylhexyl) phthalate	µg/L	16	75.0%	Non-normal	0.000	0.000	0.429
Di-n-butyl phthalate	µg/L	16	100.0%	Normal	1.000	-	0.000
Diethyl phthalate	µg/L	16	100.0%	Normal	1.000	-	0.000
Dimethyl phthalate	µg/L	16	100.0%	Normal	1.000	-	0.000
Hexachlorobutadiene	µg/L	16	100.0%	Normal	1.000	-	0.000
Hexachlorocyclopentadiene	µg/L	16	100.0%	Normal	1.000	-	0.000
Isophorone	µg/L	16	100.0%	Normal	1.000	-	0.000
Naphthalene	µg/L	16	100.0%	Normal	1.000	-	0.000
Pentachlorophenol	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Phenols - Total	mg/L	16	100.0%	Normal	1.000	-	0.000
Picloram	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Toxaphene	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,1,1-Trichloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2,2-Tetrachloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2-Trichloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,1-Dichloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,1-Dichloroethene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,1-Dichloropropene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2,3-Trichlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2,3-Trichloropropane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2,4-Trichlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2,4-Trimethylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2-Dibromo-3-chloropropane	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
1,2-Dichlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2-Dichloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,2-Dichloropropane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,3,5-Trimethylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,3-Dichlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,3-Dichloropropane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
1,4-Dichlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
2,2-Dichloropropane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
2-Butanone (MEK)	µg/L	16	100.0%	Normal	1.000	-	0.000
2-Chlorotoluene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
2-Hexanone (MBK)	µg/L	16	100.0%	Normal	1.000	-	0.000
4-Chlorotoluene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
4-Methyl-2-Pentanone(MIBK)	µg/L	16	100.0%	Normal	1.000	-	0.000
Acetone	µg/L	16	100.0%	Normal	1.000	-	0.000
Acrolein	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Acrylonitrile	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Benzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Bromobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Bromochloromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Bromodichloromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Bromoform	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Bromomethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Carbon disulfide	µg/L	16	62.5%	Non-normal	0.000	0.000	1.610
Carbon tetrachloride	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Chlorobenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Chloroethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Chloroform	µg/L	16	93.8%	Non-normal	0.000	0.000	0.235
Chloromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
cis-1,2-Dichloroethene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
cis-1,3-Dichloropropene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Dibromochloromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Dibromomethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Dichlorodifluoromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Ethyl benzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Ethylene dibromide	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Iodomethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Isopropyl benzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
m/p-Xylene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Methylene chloride	µg/L	16	100.0%	Normal	1.000	-	0.000
n-Butylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
n-Propylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
o-Xylene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
P-Isopropyltoluene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
sec-Butylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Styrene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
tert-Butylbenzene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Tetrachloroethene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Tetrahydrofuran	µg/L	16	100.0%	Normal	1.000	-	0.000
Toluene	µg/L	16	93.8%	Non-normal	0.000	0.000	0.632
trans-1,2-Dichloroethene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
trans-1,3-Dichloropropene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
trans-1,4-Dichloro-2-butene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Trichloroethene	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Trichlorofluoromethane	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Vinyl acetate	µg/L	16	100.0%	Normal	1.000	-	0.000
Vinyl chloride	µg/L	16	100.0%	Lognormal	-	1.000	0.000
Xylenes - Total	µg/L	16	100.0%	Non-normal	0.000	0.000	0.000
Water Quality Indicator Parameters							

Distribution Report - 1st through 4th Quarter 2003

Site: Clinton Landfill, Inc #3 Data Groups: 2,3 None
Program: GRRA RCO Page: 5 of 5

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
BOD 5	mg/L	16	0.0%	Normal	0.051	-	0.360
Oil and Grease, Total	mg/L	16	81.3%	Non-normal	0.000	0.000	1.059
TOC	mg/L	16	0.0%	Lognormal	-	0.325	0.760
Total Dissolved Solids	mg/L	16	0.0%	Normal	0.230	-	0.192

End of report

Note: ** - The number of sampling results must be in the range from 3 to 200 inclusive, in order for Shapiro-Wilk Distribution

Company: ton Landfill, Inc.
Site: nton Landfill, Inc #3
Program: CLI#3 BGQ
Permit:
Minimum Size: 3
Report printed: 10/17/2005 4:23:32PM
Report Options: by sampling point

Data Group:
Date Range: 01-01-03 to 12-31-2003
Non-detects: 1/2 detection limit
Duplicates: All
Log Transform: No
Range of Censoring: 0% , 100%
Reported by: tsjohnb
Page 1

Monitor 5

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Unclassified													
PooledSangamon													
Field or Physical Parameters													
COD	mg/L	16	18.8%	23.737	16.000	23.093	533.289	0.973	0.927	1.183	0.324	ND	77.000
pH, Field Aqueou	s.u.	16	0.0%	6.897	6.900	0.230	0.053	0.033	0.985	-0.396	-0.653	6.410	7.230
Specific Conducta	µmhos/cr	16	0.0%	802.813	755.000	157.128	24689.096	0.196	0.975	0.434	-1.068	600.000	1100.000
Herbicides													
2,4-D	µg/L	16	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Alachlor	µg/L	16	100.0%	0.200	0.200	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aldicarb	µg/L	16	100.0%	0.200	0.200	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Atrazine	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Methoxychlor	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Silvex	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Simazine	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Inorganic Parameters													
Ammonia, Dissolv	mg/L	16	0.0%	11.637	12.000	4.679	21.893	0.402	0.964	-0.591	-0.936	3.200	17.000
Ammonia, Total	mg/L	16	0.0%	11.731	13.000	4.707	22.157	0.401	0.961	-0.565	-1.103	3.800	18.000
Chloride, Dissolve	mg/L	16	0.0%	5.269	3.700	3.962	15.701	0.752	0.912	1.410	1.387	1.500	16.000
Chloride, Total	mg/L	16	0.0%	4.975	3.850	3.199	10.233	0.643	0.958	0.800	-0.400	1.400	12.000
Cyanide - Total	mg/L	16	100.0%	0.003	0.003	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Fluoride, Total	mg/L	16	0.0%	0.433	0.430	0.058	0.003	0.133	0.988	0.372	-0.486	0.340	0.555
Nitrate/Nitrite as N	mg/L	16	75.0%	0.018	0.010	0.015	0.000	0.828	0.992	1.472	0.501	ND	0.051
Nitrate/Nitrite as N	mg/L	16	87.5%	0.013	0.010	0.008	0.000	0.642	0.983	2.673	5.732	ND	0.040
Sulfate, Dissolved	mg/L	16	31.3%	6.206	4.300	6.811	46.391	1.097	0.941	1.149	0.109	ND	22.000
Sulfate, Total	mg/L	16	25.0%	6.688	4.100	7.628	58.186	1.141	0.914	1.335	0.564	ND	25.000
Metals													
Aluminum - Total	µg/L	16	0.0%	8356.250	1400.000	13438.393	1.806e+008	1.608	0.798	1.848	2.056	130.000	44000.000
Antimony - Total	µg/L	16	100.0%	1.500	1.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Descriptive Statistics Report - 1st through 4th Quarter 2005

Site: nton Landfill, Inc #3 Data Group: 1
Program: LI#3 BGQ Page 2

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Arsenic - Total	µg/L	16	0.0%	48.812	52.000	25.584	654.563	0.524	0.977	0.272	-1.000	16.000	100.000
Arsenic, Dissolve	µg/L	16	0.0%	39.056	30.500	27.039	731.091	0.692	0.956	0.740	-0.599	9.400	97.000
Barium - Total	µg/L	16	0.0%	300.000	305.000	95.568	9133.333	0.319	0.979	-0.007	-0.548	150.000	470.000
Beryllium - Total	µg/L	16	87.5%	0.719	0.500	0.611	0.374	0.850	0.997	2.460	4.389	ND	2.600
Boron, Dissolved	µg/L	16	0.0%	373.125	375.000	75.694	5729.583	0.203	0.996	0.011	-0.935	250.000	510.000
Boron, Total	µg/L	16	0.0%	379.375	380.000	65.571	4299.583	0.173	0.991	-0.186	-0.940	260.000	470.000
Cadmium - Dissol	µg/L	16	93.8%	0.531	0.500	0.125	0.016	0.235	1.000	3.615	11.067	ND	1.000
Cadmium - Total	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Calcium - Total	mg/L	16	0.0%	129.875	120.000	40.011	1600.917	0.308	0.927	0.986	-0.196	85.000	210.000
Chromium - Total	µg/L	16	12.5%	28.931	10.200	34.992	1224.464	1.209	0.870	1.252	0.049	ND	110.000
Cobalt - Total	µg/L	16	50.0%	5.825	2.300	7.676	58.921	1.318	0.902	1.763	1.889	ND	26.000
Copper - Total	µg/L	16	31.3%	19.681	7.200	36.407	1325.483	1.850	0.748	2.614	5.794	ND	140.000
Iron - Dissolved	µg/L	16	0.0%	4114.375	3500.000	3426.419	1.174e+007	0.833	0.966	0.748	-0.253	220.000	12000.000
Iron - Total	µg/L	16	0.0%	18787.500	9650.000	21819.009	4.761e+008	1.161	0.800	1.958	2.501	4400.000	79000.000
Lead - Dissolved	µg/L	16	93.8%	0.625	0.500	0.500	0.250	0.800	1.000	3.615	11.067	ND	2.500
Lead - Total	µg/L	16	56.3%	7.156	0.500	13.348	178.169	1.865	0.847	2.113	3.145	ND	46.000
Magnesium - Tota	mg/L	16	0.0%	65.750	57.500	18.880	356.467	0.287	0.937	0.782	-0.784	44.000	100.000
Manganese - Diss	µg/L	16	0.0%	111.000	100.000	64.180	4119.067	0.578	0.955	0.886	0.411	38.000	270.000
Manganese - Tota	µg/L	16	0.0%	307.438	160.000	326.502	106603.462	1.062	0.856	1.510	0.976	68.000	1100.000
Mercury - Total	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Mercury, Dissolve	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Nickel - Total	µg/L	16	12.5%	61.594	30.000	61.925	3834.741	1.005	0.931	0.947	-0.389	ND	190.000
Potassium - Total	mg/L	16	0.0%	8.387	7.800	4.514	20.379	0.538	0.943	0.998	0.595	2.600	19.000
Selenium - Total	µg/L	16	81.3%	0.694	0.500	0.473	0.223	0.681	0.957	2.417	4.735	ND	2.200
Silver - Total	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Sodium - Total	mg/L	16	0.0%	37.313	38.000	9.687	93.829	0.260	0.970	0.215	-0.314	24.000	58.000
Thallium - Total	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Vanadium - Total	µg/L	16	62.5%	15.212	2.500	23.203	538.369	1.525	0.918	1.774	1.732	ND	75.000
Zinc - Dissolved	µg/L	16	31.3%	12.325	11.000	10.603	112.430	0.860	0.917	1.699	2.978	ND	44.000
Zinc - Total	µg/L	16	6.3%	41.844	29.500	47.598	2265.549	1.138	0.847	1.789	2.140	ND	170.000
Pesticides													
4,4'-DDT	µg/L	16	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aldrin	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Site: inton Landfill, Inc #3 Data Group: 1
Program: I#3 BGQ Page 3

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Carbofuran	µg/L	16	100.0%	0.750	0.750	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chlordane (Tech)	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dalapon	µg/L	16	100.0%	0.750	0.750	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dieldrin	µg/L	16	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dinoseb	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Endothal	µg/L	16	100.0%	20.000	20.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Endrin	µg/L	16	100.0%	0.050	0.050	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
gamma-BHC (Lin	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Heptachlor	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Heptachlor epoxid	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Parathion	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Polychlorinated Biphenyls													
Aroclor 1016	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1221	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1232	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1242	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1248	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1254	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Aroclor 1260	µg/L	16	100.0%	0.250	0.250	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Semi-volatile Organic Compounds													
4-Methylphenol(p	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Benzo(a)pyrene	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
bis(2-Ethylhexyl)	µg/L	16	75.0%	3.931	3.000	1.686	2.844	0.429	0.995	1.238	-0.346	ND	7.400
Di-n-butyl phthala	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Diethyl phthalate	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dimethyl phthalat	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Hexachlorobutadi	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Hexachlorocyclop	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Isophorone	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Naphthalene	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Pentachloropheno	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Phenols - Total	mg/L	16	100.0%	0.003	0.003	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Picloram	µg/L	16	100.0%	0.100	0.100	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Site: ton Landfill, Inc #3 Data Group: N
Program: C..I#3 BGQ Page 4

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Toxaphene	µg/L	16	100.0%	0.750	0.750	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Volatile Organic Compounds													
1,1,1,2-Tetrachlor	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1,1-Trichloroeth	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1,2,2-Tetrachlor	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1,2-Trichloroeth	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1-Dichloroethan	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1-Dichloroethen	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,1-Dichloroprope	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,3-Trichlorobe	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,3-Trichloropr	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,4-Trichlorobe	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2,4-Trimethylbe	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dibromo-3-ch	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dichlorobenze	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dichloroethan	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,2-Dichloropropa	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,3,5-Trimethylbe	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,3-Dichlorobenze	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,3-Dichloropropa	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
1,4-Dichlorobenze	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2,2-Dichloropropa	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2-Butanone (MEK	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2-Chlorotoluene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
2-Hexanone (MBI	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
4-Chlorotoluene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
4-Methyl-2-Pentar	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Acetone	µg/L	16	100.0%	5.000	5.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Acrolein	µg/L	16	100.0%	25.000	25.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Acrylonitrile	µg/L	16	100.0%	25.000	25.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Benzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromobenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromochlorometh	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Site: inton Landfill, Inc #3 Data Group:
Program: I#3 BGQ Page 5

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Bromodichlorome	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromoform	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Bromomethane	µg/L	16	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Carbon disulfide	µg/L	16	62.5%	4.438	0.500	7.143	51.029	1.610	0.920	1.993	3.235	ND	26.000
Carbon tetrachlori	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chlorobenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chloroethane	µg/L	16	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Chloroform	µg/L	16	93.8%	0.531	0.500	0.125	0.016	0.235	1.000	3.615	11.067	ND	1.000
Chloromethane	µg/L	16	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
cis-1,2-Dichloroet	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
cis-1,3-Dichloropr	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dibromochlorome	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dibromomethane	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Dichlorodifluoron	µg/L	16	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Ethyl benzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Ethylene dibromid	µg/L	16	100.0%	0.025	0.025	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Iodomethane	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Isopropyl benzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
m/p-Xylene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Methylene chlorid	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
n-Butylbenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
n-Propylbenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
o-Xylene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
P-Isopropyltoluen	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
sec-Butylbenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Styrene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
tert-Butylbenzene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Tetrachloroethene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Tetrahydrofuran	µg/L	16	100.0%	10.000	10.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Toluene	µg/L	16	93.8%	0.594	0.500	0.375	0.141	0.632	1.000	3.615	11.067	ND	2.000
trans-1,2-Dichloro	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
trans-1,3-Dichloro	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
trans-1,4-Dichloro	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND

Descriptive Statistics Report - 1st through 4th Quarter 2005

Site: ton Landfill, Inc #3 **Data Group:** N
Program: CELF#3 BGQ **Page** 6

Parameter	Unit	Size	% NDs	Mean	Median	Standard Deviation	Variance	Coef. of Variation	Coef. of Correlation	Skewness	Kurtosis	Min	Max
Trichloroethene	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Trichlorofluorome	µg/L	16	100.0%	0.500	0.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Vinyl acetate	µg/L	16	100.0%	2.500	2.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Vinyl chloride	µg/L	16	100.0%	1.000	1.000	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Xylenes - Total	µg/L	16	100.0%	1.500	1.500	0.000	0.000	0.000	NaN	0.000	0.000	ND	ND
Water Quality Indicator Parameters													
BOD 5	mg/L	16	0.0%	23.813	21.500	8.573	73.496	0.360	0.964	0.425	-1.280	14.000	38.000
Oil and Grease, T	mg/L	16	81.3%	4.569	2.500	4.839	23.416	1.059	0.978	2.160	3.346	ND	19.000
TOC	mg/L	16	0.0%	13.306	11.500	10.119	102.401	0.760	0.836	2.229	4.912	5.200	46.000
Total Dissolved S	mg/L	16	0.0%	590.000	610.000	113.019	12773.333	0.192	0.972	-0.560	-0.796	360.000	730.000

End of report.

Tolerance Limits Report - ND ≤15%

Company: Clinton Landfill, Inc
Site: Clinton Landfill, Inc #3
Program: CCR§ 257.90(e)
Permit:
Minimum Size: 3
Report printed: 10/21/2005 11:35:38AM
Reported by: kgehrig
Report Options: Normal intra-point by sampling point

Data Group: None
Date Range: 01/01/2000 to 12/31/2003
Nondetects: 12 detection limit
Duplicates: All
Confidence: 0.95
Log transform: None
Range checking: None
Cut off date: 10/21/2005
Alpha: 0.01

Parameter	Unit	Sample Size	%NDs	Tolerance Limit	Exceeded Result	Sample ID	Sample Date
Unclassified					Max Detected Value > TL ?		
PooledSanganuron							
Field or Physical Parameters							
pH, Field Aqueous	s.u.	16	0.0%	7.476			
Specific Conductance, Field	µmhos/cm	16	0.0%	1199.246			
Inorganic Parameters							
Chloride, Total	mg/L	16	0.0%	13.046			
Fluoride, Total	mg/L	16	0.0%	0.579			
Metals					(None)		
Arsenic - Total	µg/L	16	0.0%	113.362			
Arsenic, Dissolved	µg/L	16	0.0%	107.275			
Barium - Total	µg/L	16	0.0%	541.119			
Boron, Dissolved	µg/L	16	0.0%	564.101			
[illegible]on, Total	µg/L	16	0.0%	544.811			
[illegible]n - Dissolved	µg/L	16	0.0%	12759.230			
[illegible]anganese - Dissolved	µg/L	16	0.0%	272.926			
Potassium - Total	mg/L	16	0.0%	19.777			
Sodium - Total	mg/L	16	0.0%	61.752			
Water Quality Indicator Parameters							
BOD 5	mg/L	16	0.0%	45.442			
Total Dissolved Solids	mg/L	16	0.0%	875.147			

End of report

For pH: Lower TL = Mean − (Upper TL − Mean)
= 6.897 − (7.476 − 6.897)
= 6.897 − 0.579
Lower TL = 6.318

Tolerance Limits Report - ND <15%

Company:	Clinton Landfill, Inc.	Data Groups:	None!
Sites:	Clinton Landfill Inc #3	Date Range:	01-01-2003 to 12-31-2003
Program:	CCR/3 BGO	Non-detects:	Per detection limit
Permit:		Duplicates:	Ave.
Minimum Size:	3	Confidence:	0.95
Report printed:	09/2/2005 2:45:29PM	Log Distribution:	Yes
Reported by:	tsmith	Tolerance Percentile:	95%
Report Options:	Normal intra-point by sampling point	Critical alpha:	1.0E-20
		Rule:	Normal

Parameter	Unit	Sample Size	%NDs	Tolerance Limit	Exceeded Result	Sample ID	Sample Date
Unclassified					Max. Detected Value > TL?		
PooledSangamon							
Inorganic Parameters							
Chloride, Dissolved	mg/L	16	0.0%	15.030	16.0 mg/L		
Metals							
Aluminum - Total	µg/L	16	0.0%	60412.332			
Calcium - Total	mg/L	16	0.0%	223.987			
Chromium - Total	µg/L	16	12.5%	142.715			
Iron - Total	µg/L	16	0.0%	59716.945	79000 ug/L		
Magnesium - Total	mg/L	16	0.0%	111.011			
Manganese - Total	µg/L	16	0.0%	1048.797	1100 ug/L		
Nickel - Total	µg/L	16	12.5%	386.642			
Zinc - Total	µg/L	16	6.3%	185.425			
Water Quality Indicator Parameters							
TOC	mg/L	16	0.0%	33.559	46 mg/L		

End of report

For the following parameters, TL = Max. Detected Value since Max. Detected Value > TL:

Parameter	TL = Max. Detected Value
Chloride (Dissolved)	160 mg/L
Iron (Total)	79000 ug/L
Manganese (Total)	1100 ug/L
TOC	46 mg/L

Note: The statistics are replaced by the corresponding minimum-variance unbiased estimates for the log-normal distribution.

Maximum Detected Value Report - ND=15% (Non-normalDist)

Company: Chutopia and IHE Inc.
Site: Chutopia and IHE Inc. #3
Program: CRTK-13500
Permit:
Report generated: 10/21/2005 1:40:12 PM
Report Options: By Sampling Point

Data Groups: None
Date Range: 01/01/2003 to 12/31/2003
Non-detects: 1/2 detection limit
Duplicates: All
Report to: Sampling Point
Date:

Sampling Point	Parameter	Unit	Sample ID	Date	Regulation Limit	Result
Unclassified						
PooledSangamon	Ammonia, Dissolved	mg/L	505036	5/5/3	-	17.000
PooledSangamon	Ammonia, Total	mg/L	327032	3/27/3	-	18.000

End of report

Tolerance Limits Report - NDs 50%

Company:	Clinton Landfill, Inc.	Data Group:	None
Site:	Clinton Landfill, Inc. #3	Date Range:	01/01/2003 to 12/31/2003
Program:	CCR: RCRA	Non-detects:	Cohen's Method
Permit:		Upper Lim:	95%
Minimum Size:	3	Confidence:	95%
Report printed:	10/21/2005 2:17:49PM	Log Transform:	Yes
Reported by:	tsjobst	Ranked if Censoring:	0% - 100%
Report Options:	Normal/Intra point by sampling point	Start of data:	10/20/2005
		Page	Number

Parameter	Unit	Sample Size	%NDs	Tolerance Limit	Exceeded Result	Sample ID	Sample Date
Unclassified							
PooledSanganton					May Detected Value > TL ?		
Field or Physical Parameters							
COD	mg/L	16	18.8%	122.270			
Inorganic Parameters					(None)		
Sulfate, Total	mg/L	16	25.0%	56.730			
Metals							
Copper - Total	µg/L	16	31.3%	143.397			
Zinc - Dissolved	µg/L	16	31.3%	54.817			

End of report

Note: The statistics are replaced by the corresponding minimum variance unbiased estimates for the log normal distribution.

Maximum Detected Value Report: ND=1/2 (Non-detect Dist'd)

Company: Clinton Landfill, Inc.
Site: Clinton Landfill Inc #3
Program: CCR Rule
Permits:
Report Printed: [illegible]
Report Options: by Sampling Point

Date Collected: [illegible]
Date Range: 01/01/2000 to 12/31/2000
Constituents: All
Results: Detected
Report Order: Analyte
Page: [illegible] of [illegible]

Sampling Point	Parameter	Unit	Sample ID	Date	Regulation Limit	Result
Unclassified						
PooledSangamon	Sulfate, Dissolved	mg/L	505038	5/5/3	-	22.000
PooledSangamon	Cobalt - Total	µg/L	327034	3/27/3	-	26.000

End of report

Maximum Detected Value Report - NDS 99%

Company: Clifton Landfill, Inc. | Data Group: None
Site: Clinton Landfill, Inc #3 | Date Interval: 01/01/2003 to 12/31/2003
Program: CCR-RCRA | Non-Detects: Considered
Report: | Duplicates: All
Report printed: 10/28/2004 10:08:58AM | Reported By: Global
Report Options: By sampling point | Page: 1 of 1

Sampling Point	Parameter	Unit	Sample ID	Date	Regulation Limit	Result
Unclassified						
PooledSangamon	Nitrate/Nitrite as N Dissolved	mg/L	327032	3/27/3	-	0.051
PooledSangamon	Nitrate/Nitrite as N, Total	mg/L	327032	3/27/3	-	0.040
PooledSangamon	Beryllium - Total	µg/L	327034	3/27/3	-	2.600
PooledSangamon	Lead - Total	µg/L	327034	3/27/3	-	46.000
PooledSangamon	Selenium - Total	µg/L	327034	3/27/3	-	2.200
PooledSangamon	Vanadium - Total	µg/L	327034	3/27/3	-	75.000
PooledSangamon	bis(2-Ethylhexyl) phthalate	µg/L	327032	3/27/3	-	7.400
PooledSangamon	Carbon disulfide	µg/L	327032	3/27/3	-	26.000
PooledSangamon	Oil and Grease, Total	mg/L	717034	7/17/3	-	19.000

End of report

Maximum Detected Value Report - ND 90-99% (Non-normalDist)

Facility:	Clinton Landfill Inc	Date Created:	None
Site:	Clinton Landfill Inc #3A	Date Range:	1-01-2003 to 12-31-2003
Compliance:	Calendar Year	Groundwater:	Compliance Only
Permit #:		Duplicates:	All
Report Limits:	90/2 ND, 99/2 ND	Reported by:	Location
Report Options:	QC Samples Only	Page:	1

Sampling Point	Parameter	Unit	Sample ID	Date	Regulation Limit	Result
Unclassified						
PooledSangamon	Cadmium - Dissolved	µg/L	717037	7/17/3	-	1.000
PooledSangamon	Lead - Dissolved	µg/L	505036	5/5/3	-	2.500
PooledSangamon	Chloroform	µg/L	327034	3/27/3	-	1.000
PooledSangamon	Toluene	µg/L	327037	3/27/3	-	2.000

End of report