DOCUMENTATION IN SUPPORT OF CLASSIFICATION EXCEPTION AREA FOR GROUNDWATER

JIS LANDFILL SUPERFUND SITE
SOUTH BRUNSWICK, NEW JERSEY

DISCLAIMER:
SOME FORMATTING CHANGES MAY HAVE OCCURRED WHEN THE ORIGINAL DOCUMENT WAS PRINTED TO PDF; HOWEVER, THE ORIGINAL CONTENT REMAINS UNCHANGED.

Prepared by:
Conestoga-Rovers & Associates

651 Colby Drive
Waterloo, Ontario
Canada N2V 1C2

Office: (519) 884-0510
Fax: (519) 884-0525

web: http://www.CRAworld.com

JULY 2011
REF. NO. 014737 (60)

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1

2.0 SITE BACKGROUND 2
- 2.1 LAND USE DESCRIPTION 2
- 2.2 HYDROGEOLOGY 2
- 2.3 GROUNDWATER QUALITY 3
- 2.4 RECEPTOR EVALUATION 4

3.0 CLASSIFICATION EXCEPTION AREA 6
- 3.1 CHEMICALS OF CONCERN 6
- 3.2 CEA BOUNDARY 7
- 3.3 CEA LONGEVITY 9
- 3.4 WELL RESTRICTION AREA 13

4.0 GROUNDWATER MONITORING 14

5.0 PUBLIC NOTICE REQUIREMENTS 15

6.0 SUMMARY 16

7.0 REFERENCES 17

LIST OF FIGURES
(Following Text)

FIGURE 1 JIS SITE AND PLUME LOCATION

FIGURE 2 WELL LOCATION VERIFICATION MAP

FIGURE 3 WELL LOCATION VERIFICATION MAP

FIGURE 4 EXCEEDANCES OF NEW JERSEY GROUNDWATER QUALITY STANDARDS
MOST RECENT COMBINED INTERVAL GROUNDWATER SAMPLES

FIGURE 5 EXCEEDANCES OF NEW JERSEY GROUNDWATER QUALITY STANDARDS
MOST RECENT SHALLOW GROUNDWATER SAMPLES

FIGURE 6 EXCEEDANCES OF NEW JERSEY GROUNDWATER QUALITY STANDARDS
MOST RECENT INTERMEDIATE GROUNDWATER SAMPLES

FIGURE 7 EXCEEDANCES OF NEW JERSEY GROUNDWATER QUALITY STANDARDS
MOST RECENT DEEP GROUNDWATER SAMPLES

FIGURE 8 CEA AND WRA AREAL EXTENT SHOWN ON TAX MAPS

LIST OF TABLES
(Following Text)

TABLE 1	ANALYTICAL RESULT SUMMARY 2007 THROUGH 2010 - GROUNDWATER SAMPLING
TABLE 2A	WELL RECORD SEARCH SUMMARY – PERMITS LESS THAN 1,000 FEET FROM CEA
TABLE 2B	WELL RECORD SEARCH SUMMARY – PERMITS GREATER THAN 1,000 FEET FROM CEA
TABLE 3	ANALYTICAL RESULT SUMMARY – MOST RECENT GROUNDWATER SAMPLING
TABLE 4	SUMMARY OF PROPERTIES INCLUDED IN CEA
TABLE 5	CEA LONGEVITY CALCULATIONS

LIST OF APPENDICES

APPENDIX A	MIDDLESEX COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH FILE REVIEW MATERIAL
APPENDIX B	CEA FACT SHEET
APPENDIX C	ELECTRONIC GIS FORMAT
APPENDIX D	CHEMICAL PLOTS FOR LONGEVITY CALCULATION
APPENDIX E	PUBLIC NOTICES AND DELIVERY RECEIPTS

1.0 INTRODUCTION

On behalf of the JIS Performing Parties Group (JIS Group), Conestoga-Rovers & Associates (CRA) has prepared this document to provide the New Jersey Department of Environmental Protection (NJDEP) with the information necessary to establish a Classification Exception Area (CEA) as part of the Remedial Action for groundwater at the JIS Landfill Superfund Site (Site). The JIS Landfill is located in South Brunswick Township, Middlesex County, New Jersey as shown on Figure 1. The JIS Landfill is owned and operated by Jones Industrial Services Co. Remedial work at the Site has been performed pursuant to Administrative Consent Orders dated June 17, 1997 and October 15, 2004 and more recently, the September 3, 2010 Administrative Order issued by USEPA. The NJDEP Site Remediation Program Interest Number is 010911. Future work at the Site will be performed in accordance with the Remedial Action Work Plan (RAWP) that was attached to the September 3, 2010 Administrative Order.

The purpose of a CEA is to identify the area of an aquifer that is currently impacted above the applicable NJDEP Ground Water Quality Standards (NJ GWQS) and to provide a mechanism to protect potential groundwater users and inhabitants of nearby buildings. The documentation for this CEA has been developed in accordance with the NJDEP Technical Regulations for Site Remediation (TRSR) N.J.A.C. 7:26E-8.3 and the NJDEP Final Guidance on Designation of Classification Exception Areas, 1998.

2.0 SITE BACKGROUND

2.1 LAND USE DESCRIPTION

The JIS Landfill is located in South Brunswick Township, Middlesex County, New Jersey on Lot 9.06, Block 17.010. The JIS property is bordered to the west by the New Jersey Turnpike and to the east by Cranbury South River Road. The north side of the property borders an agriculture field and a residence. The south side of the property adjoins a horticultural nursery and a residence.

The JIS property is approximately 26 acres in size. The western half of the property is an inactive landfill that began operation in 1956. A portion of the property also operated as a borrow pit resulting in an excavation that was over 30 feet deep. The western half of the pit was used as the landfill area. The landfill received solid and liquid wastes that resulted in the release of chemicals into the groundwater flow regime. The landfill was closed in the early 1980s. In 2000, a cap, consisting of soil and a polyethylene liner was constructed by the JIS Group as part of the final remedial action for the JIS Landfill.

The eastern portion of the property currently operates as a recycling facility, receiving landscape refuse and soils, wood waste, asphalt, concrete, and cinder blocks. These materials are reportedly processed and removed from the property.

2.2 HYDROGEOLOGY

The hydrogeologic conditions at the Site have been extensively described in the Remedial Investigation Addendum Report for the Secondary Plume Area dated July 2009. The following is a brief summary of the conditions.

The Site lies within the outcrop of the Old Bridge Aquifer. The relatively flat and poorly drained outcrop of the Old Bridge Aquifer to the northwest and northeast of the Site promotes precipitation infiltration and recharge to the water table. At locations within the study area where the Old Bridge Aquifer is not exposed at ground surface, it is overlain by the Pennsauken Formation, which is unsaturated in the vicinity of the Site. The Pennsauken Formation, being coarse in nature, allows precipitation to readily infiltrate to underlying aquifers which tends to increase the recharge to the Old Bridge Aquifer (approximately 20 inches/year according to Barksdale et al., 1943).

The Old Bridge Aquifer is underlain by the Woodbridge Clay layer which is a low-permeability aquitard unit that defines the base of the aquifer. Beneath the JIS

property, the aquifer is on the order of 100 feet thick with flow velocity being measured to be about 1 foot per day.

Groundwater flow generally occurs from west to east. Immediately downgradient from the JIS property, groundwater flow is directed to the east-southeast approximately aligned with Docks Corner Road. Further downgradient from the JIS property, near the Manalapan Brook Tributary, groundwater flow is oriented more easterly as shown on Figure 1.

2.3 GROUNDWATER QUALITY

The NJDEP began an evaluation of the quality of the groundwater in the vicinity of the JIS Landfill in the late 1980s and early 1990s, the results of which were documented in the Remedial Investigation Report (prepared by B&V Waste Science and Technology Corp.) in 1993. That report noted the existence of a chemical plume migrating from the Landfill that could essentially be identified by tracking the migration of a single Site-specific compound: benzene. The Remedial Investigation Report noted that benzene, along with a number of other parameters, were present in elevated concentrations in the groundwater flow regime beneath and in the immediate downgradient area adjacent to the Landfill. Upon entering the groundwater flow regime, the chemicals migrated in a southeasterly direction carried by the prevailing groundwater gradient. Groundwater samples collected from monitoring wells more than 2,000 feet downgradient of the Landfill indicated that, as the chemicals migrated with the groundwater flow, the chemicals migrated to the lowest portion of the aquifer and the concentrations generally decreased as distance from the Landfill increased.

Based upon this understanding of the groundwater conditions, NJDEP approved a Feasibility Study Report for the Landfill (also prepared by B&V) in 1994 and issued a Record of Decision (ROD) in 1995 selecting a final remedy. The ROD approached the groundwater plume as comprising of two components. The first included the area nearest the Landfill where the groundwater concentrations were highest. This area was designated the Primary Plume for which the ROD selected active remediation using pump and treat technologies. The second area begins more than 5,000 feet downgradient from the Landfill and extends beyond Rhode Hall Road and into the Manalapan Brook area. This second area was designated the Secondary Plume. The ROD designated the Secondary Plume as a natural remediation area where natural attenuation was expected to be adequate to address the lower level concentrations (<894 ppb) of chemicals present.

During the pre-design investigations, a number of additional monitoring wells were installed in the Primary and Secondary Plume Areas. The results from these wells have been used to refine the conditions first characterized in the 1990s and to track the chemical concentration trends that have occurred since that time. The most recent data that have been collected and reported upon confirm that the overall dimensions of the plume(s) have been diminishing since about 2000 and the chemical concentrations have been decreasing.

In 2008 and 2009, the JIS Group installed additional wells and collected additional samples in the Secondary Plume area with the purpose of specifically defining the limits of the area of impacted groundwater. The results of this sampling were reported to the NJDEP in the report entitled "Remedial Investigation – Secondary Plume Area" dated June 2008 and the "Remedial Investigation Addendum Report" of July 2009. Based on the results of these additional investigations, the final limits of the area of impacted groundwater have been thoroughly delineated. The delineation includes the limits of impacted groundwater from the JIS Landfill as well as from additional potential source areas within the investigated area. All of the available groundwater data collected from the JIS Site investigation between 2007 and 2010 have been compiled and are presented in Table 1.

2.4 RECEPTOR EVALUATION

The Remedial Investigation and Risk Assessments completed in 1993 identified that the primary risk of exposure to the Landfill chemicals was through the use of groundwater that could be accessed by private wells. In response to this exposure potential, the JIS Group conducted private water well surveys in the vicinity of and downgradient of the JIS Landfill in 1999 and again further downgradient in 2001. The surveys identified that there were no private wells within the downgradient Primary or Secondary Plume areas. In 2003, as an additional precaution, private wells supplying water to residents along Old Forge Road, Docks Corner Road, Sherman Avenue, Pergola Street, and McKnight Street were removed from service and the residents were connected to the municipal water supply. This work was performed by the JIS Group as reported in the "Domestic Water Supply Study on Old Forge Road" dated 2004. This precautionary measure further ensures that no exposure to potentially impacted groundwater can occur.

In 2008 and 2009, CRA completed a Baseline Health Risk Assessment for the Secondary Plume Area. The results of this assessment confirmed that there is no adverse impact to human health or the environment as a result of impacted groundwater from the JIS Landfill entering the Secondary Plume Area. There is only a hypothetical future

exposure condition that could exist if the groundwater is extracted for domestic use. The previous remedial actions (provision of public water supply) have eliminated the possibility of such an exposure occurring.

To ensure that proper documentation is available to support this CEA, a radius well search was requested from the NJDEP Bureau of Water Allocation on March 16, 2009. The electronic data were received in July 2009 and have been reviewed to determine the location of the wells in relation to the JIS Plume(s). The data are summarized as follows:

- A total of 92 permits and/or records for domestic or irrigation wells were identified to be present from the Water Allocation data. Tables 2A and 2B provide information about the permits (e.g., property owner's name, address, well construction details, use of well, etc.). Based upon the information provided on each permit, the locations of these wells have been identified and have been plotted on Figures 2 and 3.
- Of the 92 wells described on the permits, 29 are located within 1,000 feet of the JIS plume(s) and 14 are located more than 1,000 feet but less than one-half mile of the JIS plume(s). The remaining 49 wells are located more than one-half mile from the JIS plume(s).
- All of the wells located within one-half mile of the JIS plume(s) are on streets serviced with public water. Therefore these permits are either for wells that are unused or abandoned or no longer used as a potable water supply to the residence. It has been confirmed with the local municipal water authorities that all 29 residents located within 1,000 feet of the JIS plume(s) are using the public water supply. Middlesex County Environmental Health Division (MCEHD) was also contacted to assist in the determination of the status of the wells associated with the 29 permits located within 1,000 feet of the JIS plume(s). Although information was requested for all 29 permits, there was no information on file or available for any of the permits except one. There was a file record for one permit and that was for the closure and re-installation of an irrigation well at 205 Rhode Hall Road in Monroe. The file review material is included in Appendix A.

3.0 CLASSIFICATION EXCEPTION AREA

The purpose of a CEA is to provide institutional control in accordance with N.J.A.C 7:26E-8.3 and Section III – Determination of Classification Exception Area, within the Final Guidance on Designation of Classification Exception Areas at http://www.nj.gov/dep/srp/guidance/cea/ceaguid2.doc (CEA Guidance Document). As specified in the CEA Guidance Document, the following subsections provide a description of the chemicals of concern (COCs), CEA boundaries, and CEA duration. A CEA Fact Sheet and a copy of the CEA map in GIS format as per the NJDEP requirements are presented in Appendices B and C, respectively.

3.1 CHEMICALS OF CONCERN

At the time the ROD was issued in 1995, a set of the COCs was developed identifying compounds that were present in the groundwater at concentrations that exceeded the NJ GWQS. The groundwater data that have been collected since that time have allowed a more accurate list of COCs to be developed; a list that takes into account factors such as alternate sources and the natural variability of background conditions. However, for the purpose of developing a CEA, a more conservative approach has been adopted. A synoptic groundwater sampling round was collected from all of the available groundwater monitoring wells in the area (including on-Site and off-Site) in December 2007. In addition, most of the monitoring wells have had subsequent samples collected and analyzed as part of the ongoing biosparge and plume groundwater monitoring programs for the Site. The analytical results of all the sampling rounds collected between 2007 and 2010 have been compiled and compared to the NJ GWQS. The analytical results from these sampling rounds are presented in Table 1. Based on this comparison, the list of all the chemicals that exceeded the NJ GWQS at any well beneath the Landfill or within the plume areas downgradient of the Landfill in the past 4 years, regardless of potential source(s) and/or background conditions, has been generated and includes the following chemicals:

1,1-Dichloroethene	Chloroethane
1,2-Dichloroethane	Cyclohexane
1,2-Dichloropropane	Ethylbenzene
1,2,4-Trichlorobenzene	Methylene Chloride
1,4-Dichlorobenzene	Tetrachloroethene
Acrylonitrile	Trichloroethene
Benzene	Vinyl Chloride
Chlorobenzene	Xylene

This list includes every chemical for which an exceedance of the NJ GWQS occurred between 2007 and 2010.

By including all of the exceedances measured in the groundwater, the list is as conservative as possible and will lead to a CEA that is conservative and as inclusive as possible.

As an additional comparison, the most recent sample results from each individual on-Site and off-Site well from the 2007 through 2010 timeframe have also been compared to the NJ GWQS (see Table 3) and identifies the current COCs. Based upon this comparison, the following ten COCs are currently present in the plumes at concentrations greater than the NJ GWQS for Class IIA groundwater. Similar to the above analysis, this comparison includes all compounds regardless of potential source(s) and/or background conditions.

1,2-Dichloropropane	Chloroethane
1,2,4-Trichlorobenzene	Tetrachloroethene
1,4-Dichlorobenzene	Trichloroethene
Benzene	Vinyl chloride
Chlorobenzene	Xylene (total)

3.2 CEA BOUNDARY

Extensive groundwater data analysis and hydraulic modeling have been previously reported to the NJDEP during the course of the Remedial Investigation program. As a result, the groundwater flow pattern and chemical concentrations therein are well documented and have been determined to be relatively consistent. This comprehensive data set can be used to accurately define the ultimate boundary proposed for the CEA (the area where current chemical concentrations in the groundwater exceed NJ GWQS). As described in Section 2.3, there are two areas where the groundwater has been impacted; the Primary Plume and the Secondary Plume. The Primary Plume includes the area beneath and immediately downgradient of the JIS Landfill. As defined in the ROD, the Secondary Plume begins 5,000 feet downgradient of the Landfill. The Primary Plume encompasses groundwater impact from the JIS Landfill and potential upgradient and/or other background sources. The Secondary Plume Area encompasses groundwater that is within the hydraulic flow path downgradient of the Landfill but also has likely been impacted by additional source(s) within the area as noted in the Remedial Investigation Addendum Report for the Secondary Plume Area (CRA, 2009).

Therefore the boundary selected for this CEA is conservative with regard to the impact attributable to the JIS Landfill.

It is also noted that the chemical plume is decreasing in size. The Remedial Investigation Addendum Report for the Secondary Plume Area presented groundwater analytical data which showed the areal extent of the combined plumes in 2000, 2007, and 2008. Comparison of the plumes for these years shows that there has been a decrease in the overall areal extent of the combined plumes. There has also been a significant decrease of the concentrations of the COCs within the plume that leads to a decreasing plume mass. Expectations are that the CEA boundaries will continue to contract, consistent with the dramatic decreases that have been measured over the past several years in the groundwater concentrations.

While the CEA boundary identifies an overall areal extent of chemical impact, these impacts are not vertically continuous in the underlying aquifer over the entire area. The monitoring well network allows monitoring of groundwater quality at three vertical intervals of depth within the Old Bridge Aquifer (shallow, intermediate, and deep). For the most part, only the lower (intermediate and deep) portions of the aquifer along the alignment of the Primary and Secondary Plumes contain chemical concentrations that exceed NJ GWQS. The areas of exceedance of the NJ GWQS in the shallow portion of the aquifer are limited to the JIS property and immediately adjacent properties. The areas of exceedance of the NJ GWQS for the individual portions of the aquifer (shallow, intermediate, and deep) that were combined to determine the current CEA (see Figure 4), are presented on Figures 5, 6, and 7 respectively.

In general, the CEA encompasses the JIS property as well as the linear pathway southeast and downgradient of the Landfill roughly following the direction of Docks Corner Road, toward and crossing Rhode Hall Road, then shifting more easterly crossing Mott Avenue and Helmetta Road. At the JIS Landfill, the CEA is approximately 1,000 feet wide, narrowing to approximately 600 feet at Rhode Hall Road, and then narrowing further to 300 feet at Helmetta Road. Consistent with the limits of the plume, the CEA encompasses portions of three municipalities including South Brunswick Township, Jamesburg, and Monroe Township. A listing of the properties included within the limits of the CEA is provided in Table 4 and is shown on Figure 8.

In accordance with the regulations, the horizontal and vertical extent of the CEA will be regularly reviewed and revised as part of the Biennial Certification of the CEA. This review will include an assessment of conditions that may affect the fate and transport of the JIS plume(s). The conditions to be assessed include:

- Groundwater extraction within or proximal to the JIS plume(s) as this could alter the groundwater flow path
- Changes in surface water management (i.e., construction of new or changes to precipitation infiltration ponds) which also could affect the groundwater flow path
- Property development within the JIS plume(s) which could affect infiltration patterns and the groundwater flow path
- Property development within the shallow portion of the JIS plume(s) which could create conditions that need to be evaluated for vapor intrusion potential

3.3 CEA LONGEVITY

In accordance with N.J.A.C. 7:26 E-6.2.17.ii, it is necessary to provide a proposed expiration date (i.e., longevity) identifying when impacted groundwater is expected to meet NJ GWQS within the CEA. This section provides the basis for the determination of the proposed expiration date for the CEA.

Historical concentrations at five key deep monitoring wells located along the central axis of the JIS plume(s) (MW-23D, MW-25D, MW-30D, MW-32D, and MW-34D) demonstrate that concentrations of chemicals that exceed the NJ GWQS criteria are decreasing over time. These wells have historically had the highest chemical concentrations and are therefore the most representative of the conditions within the plume. Therefore, these wells were used to calculate the longevity of the plume.

It is noted that the longevity of the plume under the JIS property will be different than that in the plume area downgradient of the biosparge injection system. The calculations for this analysis were directed at estimating the longevity of the CEA off of the JIS property and include portions of the plume more than 100 feet downgradient of the JIS biosparge system which was installed to remediate groundwater along the eastern JIS property boundary. It is recognized that since waste materials have been left on-Site, the CEA for the JIS property itself is likely to remain in effect for a considerably longer period of time than for the downgradient plume area.

The analysis originally screened the ten COCs identified in the most recent sampling round. Only four of the ten COCs (benzene, PCE, vinyl chloride, and 1,4-dichloroobenzene) exceeded the NJ GWQS in at least one of the five wells. Therefore, the longevity calculations were performed for these four COCs.

The best estimate of longevity can be determined through extrapolation of the historical trends and fate and transport considerations associated with these COCs. Graphs showing the historical logarithmic concentrations versus time from 1998 through 2010 for these COCs (and the remaining six COCs) are presented in Appendix D. These graphs provide the information necessary to determine what the historic changes in concentrations have been, and through extrapolation, provide the best estimate of the length of time that it is expected to take for the concentrations to reach NJ GWQS criteria. The estimates are based on calculations that use best fit and regression analysis for each of the COCs. Using the best fit/most conservative estimates of the degradation rates for each of the current COCs, the degradation rate of each COC was determined, and the maximum time to achieve the NJ GWQS for each COC in the off-property portion of the CEA was estimated.

At some monitoring wells, PCE biodegradation daughter products TCE and cis-1,2-DCE were detected in addition to PCE. However, these biodegradation daughter products are below their respective NJ GWQS criteria and are also generally declining. Therefore, determination of the rate of generation of degradation products (which would offset degradation rates) was not necessary. The chemical that requires the longest time to achieve its NJ GWQS criteria is benzene, which generally does not generate long-lived organic biodegradation by-products. (CO_2 is the ultimate biodegradation end product for benzene.)

The anticipated length of time for the groundwater quality in the deep aquifer to reach the NJ GWQS criteria, considering the above physical and degradation processes, can be calculated by the following equation:

$$t = \frac{\ln \frac{c}{c_0}}{k}$$

where:

t = time (T)

c = final concentration

c_0 = initial concentration

k = degradation rate (T^{-1})

The following presents the values used for the parameters presented in the above equation and the basis for the selected values.

Initial and Final Concentrations

The maximum concentration for each chemical that must degrade to the NJ GWQS criteria (initial concentration, c_0) is the June 2010 (or most recent) groundwater sampling result. The final concentration, c, was set as the NJ GWQS criteria.

Degradation Rate

The degradation rate (k) was estimated using the best-fit method whereby a line, which has the lowest variance relative to the time series of available analytical results, is fitted to the results. This is the concentration of a chemical in a well over a certain time period (1998 through 2010).

The degradation rate was calculated for each COC at each monitoring well by calculating the slope of the best-fit line. The correlation coefficient (R-value) is a measure of how well the data actually fit the "best-fit" line. R values range from -1.0 to +1.0, with values closer to either -1.0 or +1.0 showing that there is a good fit with the line and that there is an identifiable trend. R-values close to zero indicate that there is no trend or that all or almost all of the data have the same value (i.e., a horizontal line). The best-fit lines and the associated degree of fit (i.e., R-squared values) are included on the graphs in Appendix D. Table 5 presents the R-values, R-squared values, and slope (which is equivalent to the degradation rate) for the COCs for each individual well.

For each COC, the best-fit/most conservative degradation rate was selected for use in the attenuation time equation. The selected degradation rates using the best-fit method are shown in bold in Table 5. The time that it would then take for the chemical in the well to reach the NJ GWQS criteria was calculated by dividing ln (C_o/C) (the initial concentration divided by the NJ GWQS criteria) by the degradation rate, then dividing by 365 (to convert to years).

It is noted that data trends for all four compounds that were detected in at least one of the five wells above the NJ GWQS criteria are nearly approaching or below the NJ GWQS criteria in each of the wells. While the trend for 1,4 DCB is shown as increasing at well MW-23 D, the 1,4 DCB levels have historically been below the NJ GWQS criteria at this well and only marginally exceed the criteria in the most recent sample results.

This is the central axis well located nearest to the Landfill and is the only well that has 1,4-DCB present at a concentration that exceeds the NJ GWQS. The increases experienced at this well are expected to reverse to a decreasing trend once the treatment zone of oxygen enriched groundwater created by the biosparge injection system reaches this well location. Well MW-23D is included in the annual groundwater monitoring program for the plume and will provide the information necessary to track and report upon the 1,4-DCB results at this well.

Conclusions

The chemical that requires the longest time to attenuate to its NJ GWQS criteria is benzene. Benzene is also the primary COC associated with the JIS plume and most appropriate for estimating the CEA duration associated with the JIS Landfill. Using the best-fit/most conservative degradation rate (-0.0009), the estimated time for benzene to reach its GWQS criteria is 13 years. Based upon this calculation, it is estimated that the CEA will be required to remain in place for 13 years. For the remaining COCs, the estimated length of time to degrade to their respective NJ GWQS criteria are as follows:

- PCE 3.8 years
- Vinyl Chloride 2.9 years
- All other COCs already meet NJ GWQS criteria

As previously noted, the only other COC that currently exceeds its NJ GWQS is 1,4-DCB and it is expected that the concentrations for this COC will reduce below the NJ GWQS once the oxygen enriched groundwater from the biosparge treatment system migrates into this area. This is expected to occur over the next couple of years, and therefore will not become the critical COC in the longevity determination for the CEA. Further, 1,4-DCB is amenable to aerobic biodegradation and mineralization so the advance of the oxygen enriched groundwater is also contributing to 1,4-DCB concentration decreases.

The concentration trends, degradation rates, longevity, and areal limits to be included in the CEA will be re-evaluated biennially in the CEA certifications. If groundwater analytical data indicate compliance with the NJ GWQS then a request for the removal of the CEA will be made, for the applicable portions that meet NJ GWQS.

3.4 WELL RESTRICTION AREA

The establishment of a Well Restriction Area in addition to the CEA will ensure that safeguards are in place to protect potential users. The safeguards will ensure:

- New wells installed in the impacted groundwater area are properly installed/ constructed (i.e., double-cased if passing through confining layers or impacted groundwater).
- Impacted groundwater is not used as a potable source without appropriate treatment.
- That NJDEP is given notification of any plans to install extraction wells within or immediately adjacent to the CEA. Such notification will be used by NJDEP to prevent the extraction of groundwater from areas above, below, or adjacent to impacted groundwater zones at rates that could alter the current flow path of the impacted groundwater. This will eliminate the extraction of impacted groundwater and the possibility of altering the shape of the CEA that could result in the need to modify the CEA to include additional adjacent properties. Regular monitoring of the groundwater elevations in the plume areas will also be a component of the long-term groundwater monitoring program to ensure that hydraulic conditions in the CEA remain constant which will result in consistency in the area included in the CEA.

The establishment of the Well Restriction Area is a precautionary measure that can be eliminated once the groundwater meets the NJ GWQS. Given the availability of public water supplies, there should be no need to allow any groundwater extraction wells in the area until the groundwater meets NJ GWQS and the CEA can be withdrawn. Consequently, for the 25-year planning horizon, future groundwater use within the area is expected to be limited since municipally supplied water is available throughout the CEA.

4.0 GROUNDWATER MONITORING

Groundwater monitoring is being performed as part of the Administrative Consent Order dated October 2004 and the Administrative Order dated September 2010. The monitoring will be performed consistent with the plan specified in the Remedial Action Work Plan (an Attachment to the September 2010 Administrative Order). The program has been devised to be able to track the changes in groundwater quality within the CEA. Although groundwater monitoring is not required for CEA biennial certification purposes (except if termination of the CEA is planned), the data from the Site's groundwater monitoring program will be available. As such, to the extent that this information is available, it will be taken into consideration in the biennial certifications.

All groundwater sampling will continue to be performed using standard low flow sampling procedures. The groundwater monitoring program will include the following:

i) Static groundwater elevations

ii) Measurement of field parameters - dissolved oxygen, oxidation reduction potential, pH, temperature, turbidity, and conductivity at the time of sampling

iii) Chemical analysis at a New Jersey certified laboratory for VOCs (using method USEPA 624 modified) including 1,4-dichlorobenzene and 1,2,4-trichlorobenzene

iv) Chemical analysis at a New Jersey certified laboratory for total arsenic and manganese

Any proposed modifications to the monitoring program will be presented in the Biennial Certifications.

5.0 PUBLIC NOTICE REQUIREMENTS

A summary listing of properties overlying the CEA and Well Restriction Area is included in Table 4 and illustrated on Figure 8. Each property owner will be notified by certified letter (return receipt requested) of the inclusion of their property within the CEA and Well Restriction Area and the implications of their inclusion. The notifications will be sent out upon NJDEP approval of the documentation provided for the CEA. A copy of a typical letter is included in Appendix E. A copy of a model deed notice is also included in Appendix E. Delivery confirmation will be provided in a subsequent submittal to NJDEP within 60 days of establishment of the CEA.

6.0 SUMMARY

The CEA, in conjunction with the Well Restriction Area, provides institutional control in accordance with N.J.A.C 7:26E-8.3 to better protect potential groundwater users and building inhabitants at and downgradient of the JIS Landfill. The proposed limits of the CEA and Well Restriction Area have been developed using current Site data for COCs that are present at concentrations greater than the NJ GWQS for Class IIA groundwater, regardless of the source of the COCs. The CEA boundary coincides with the areal extent of the plume as of 2010 to the base of the Old Bridge Aquifer which can be as much as 130 feet below ground surface. Over most of the area of the CEA, the shallow portion of the aquifer is not impacted. Further, since the NJ GWQS criteria are lower than those for groundwater screening levels for vapor intrusion, the CEA boundary conservatively includes any areas where vapor intrusion potential exists. The horizontal and vertical extent as well as duration of the CEA will be reviewed, and revised as appropriate, as part of the Biennial Certification.

7.0 REFERENCES

Barksdale, H.C., M.E. Johnson, E.J. Schaefer, R.C. Baker, and G.D. DeBuchananne, 1943. The Ground-Water Supplies of Middlesex County, New Jersey, New Jersey State Water Policy Commission Special Report 8, 160 p.

Conestoga-Rovers & Associates, 2004. Domestic Water Supply Study of Old Forge Road.

Conestoga-Rovers & Associates, 2008. Remedial Investigation – Secondary Plume Area.

Conestoga-Rovers & Associates, 2009. Remedial Investigation Addendum – Secondary Plume Area.

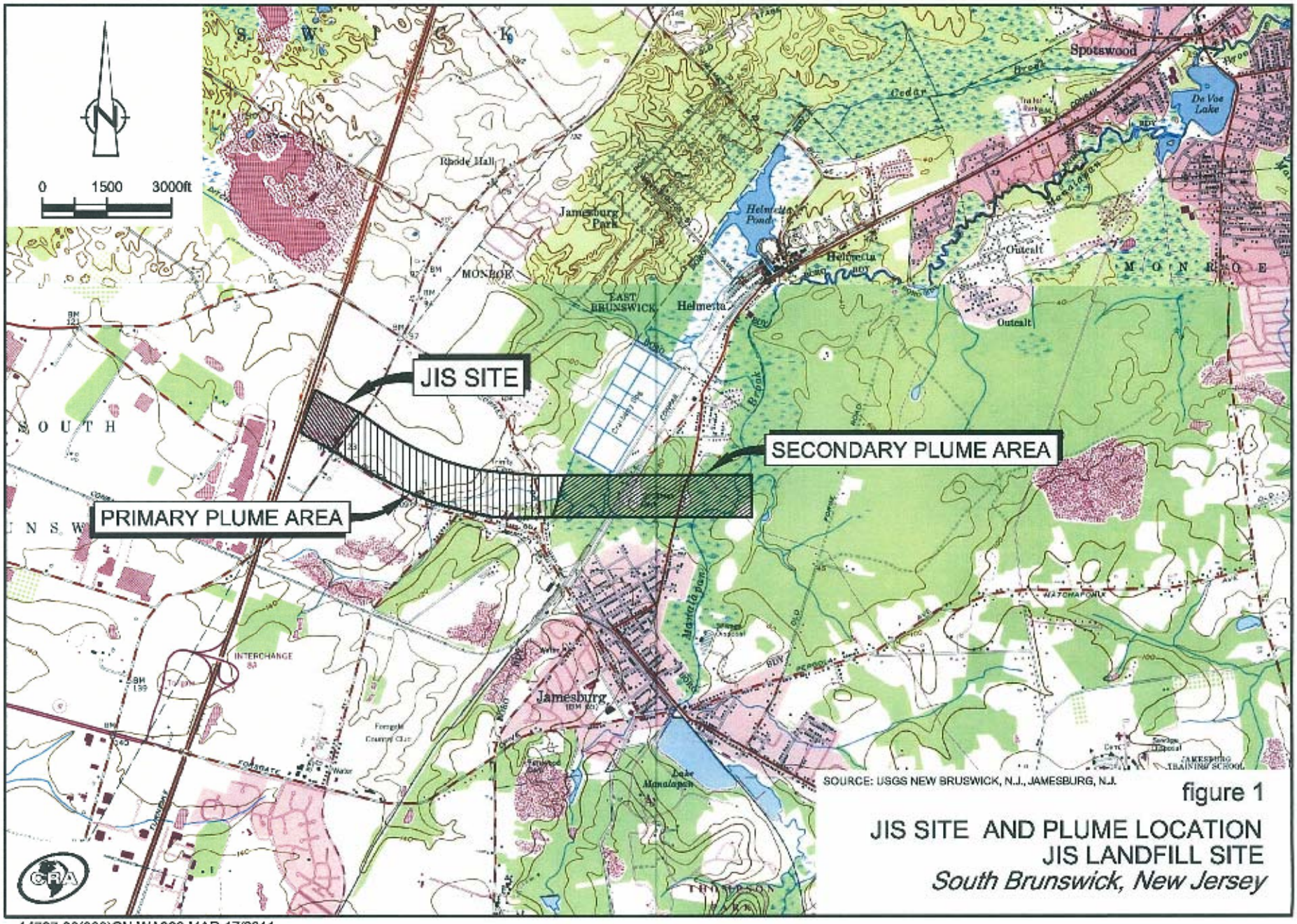
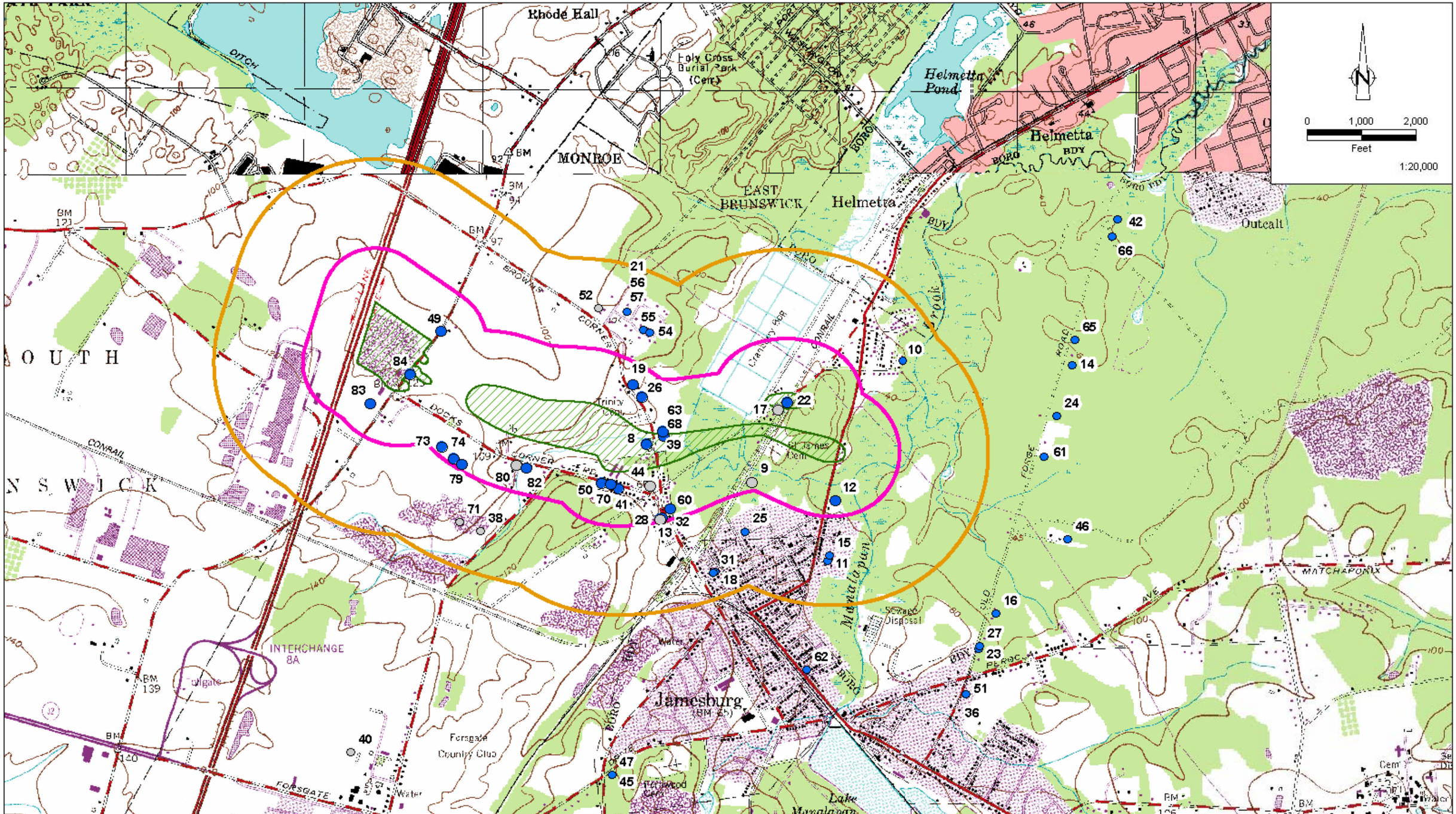


figure 1

JIS SITE AND PLUME LOCATION
JIS LANDFILL SITE
South Brunswick, New Jersey

14737-00(060)GN-WA006 MAR 17/2011



Legend

- Domestic
- Irrigation
- JIS Plume Limit
- 1/2 Mile Buffer
- 1000 Foot Buffer

figure 2
WELL LOCATION VERIFICATION MAP
JIS LANDFILL SITE
South Brunswick, New Jersey

14737-00(REP060)GIS-WA003 March 23, 2011

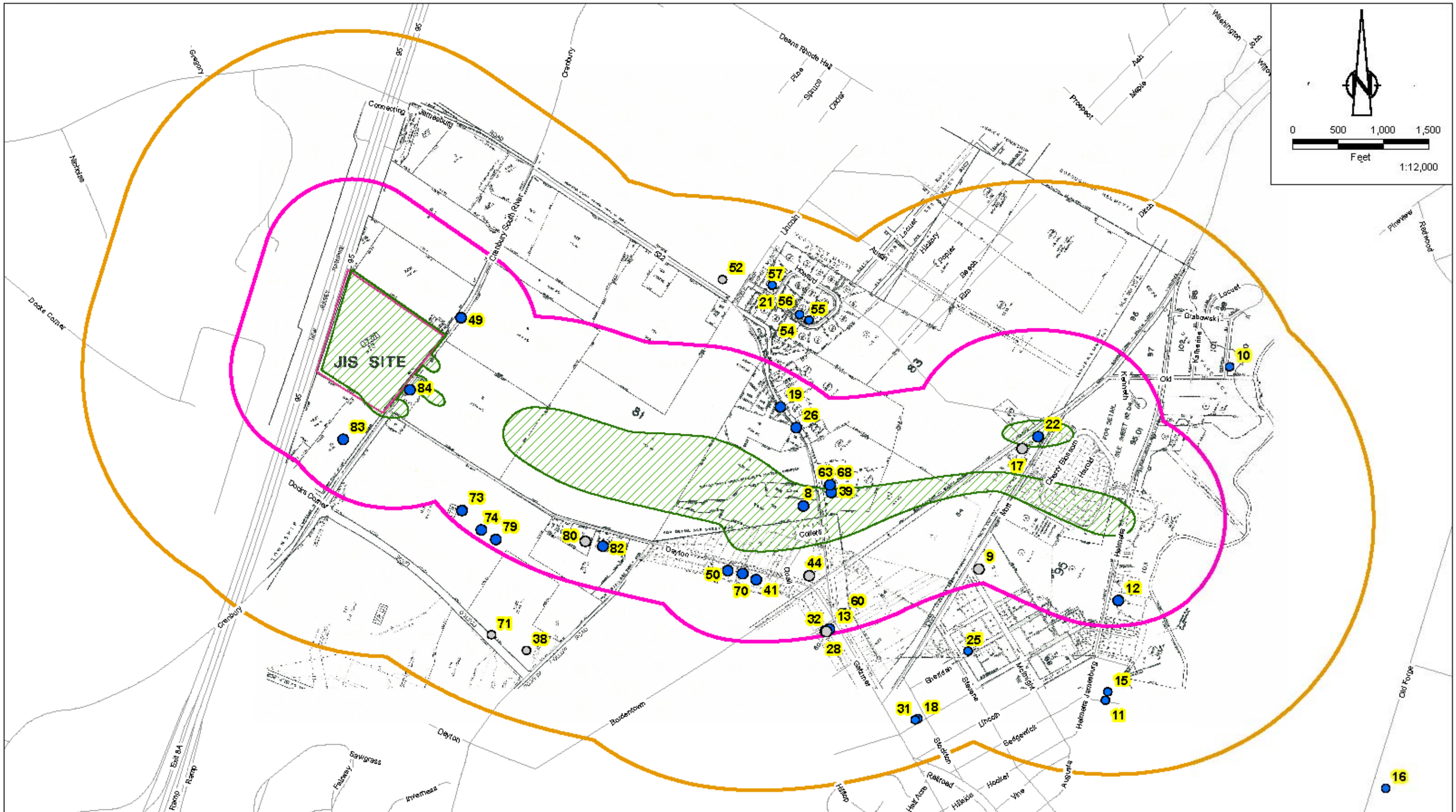
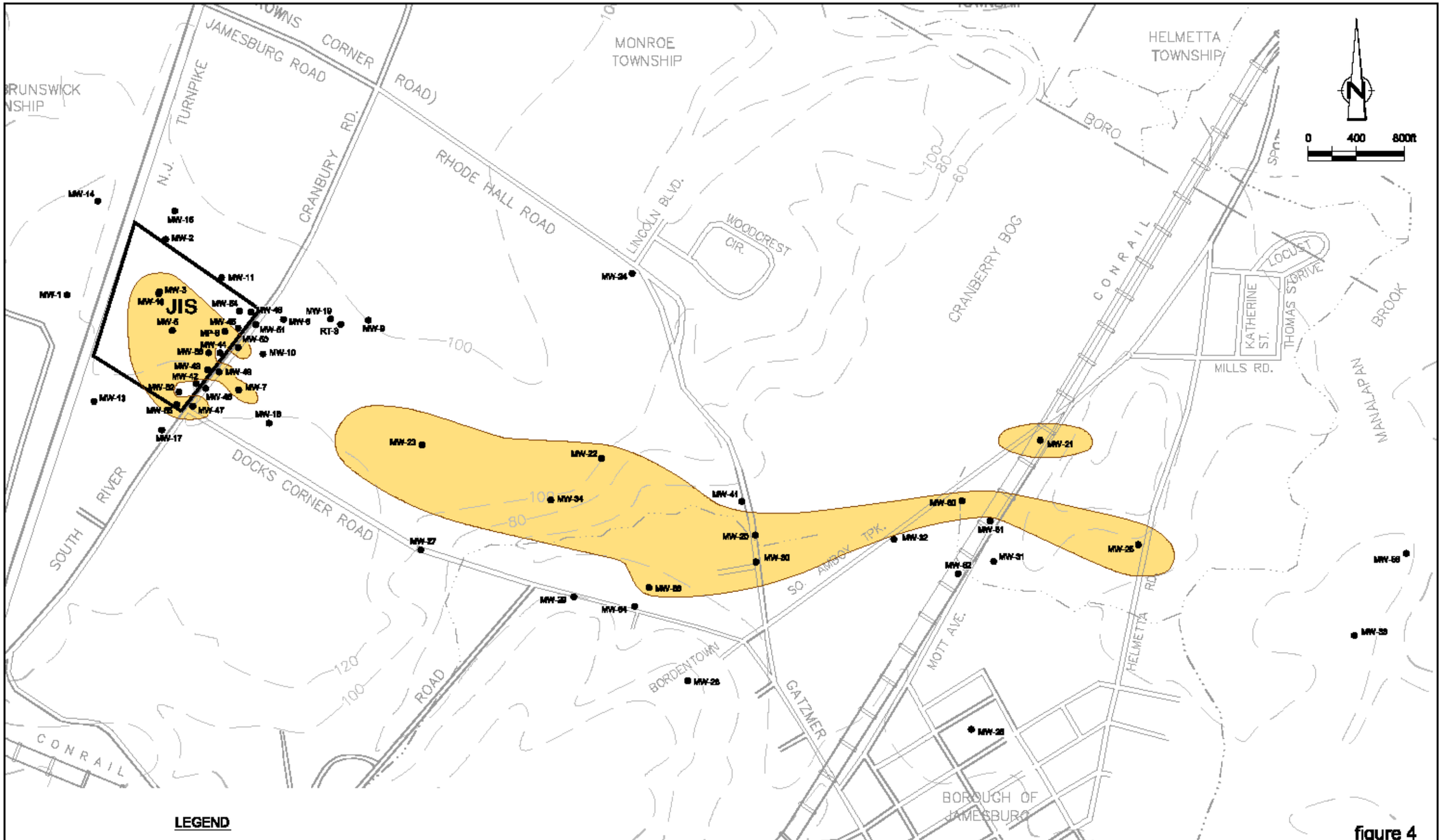


figure 3
WELL LOCATION VERIFICATION MAP
JIS LANDFILL SITE
South Brunswick, New Jersey

14737-00(REPOSD)GIS-WA002 Thursday, July 28, 2011



LEGEND

MW-30 MONITORING WELL LOCATION

AREA OF EXCEEDANCE

figure 4

EXCEEDANCES OF NEW JERSEY GROUNDWATER QUALITY STANDARDS
MOST RECENT COMBINED INTERVALS GROUNDWATER SAMPLES
JIS LANDFILL SITE
South Brunswick, New Jersey

14737-00(060)GN-WA011 MAR 16/2011

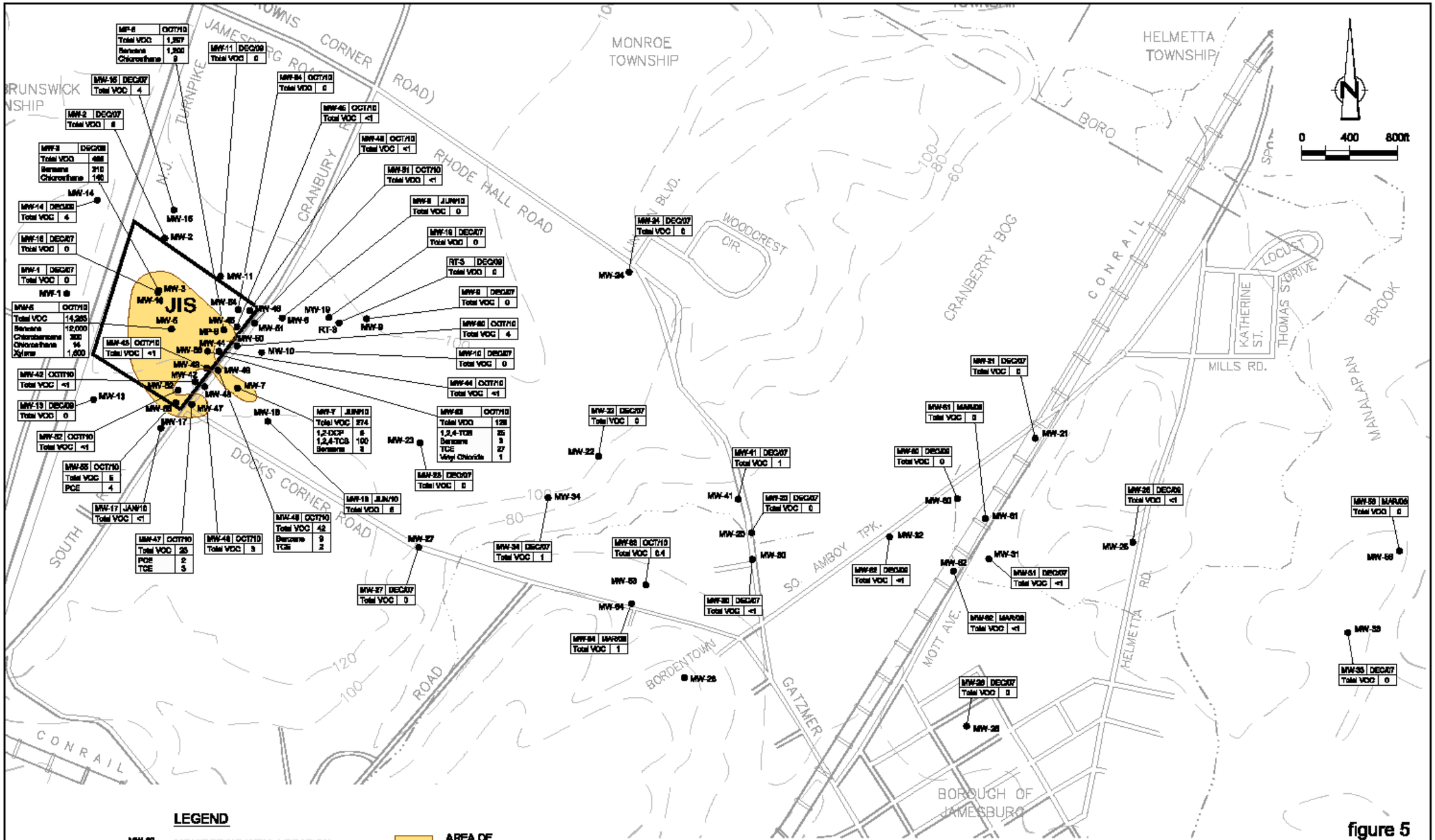


figure 5

EXCEEDANCES OF NEW JERSEY GROUNDWATER QUALITY STANDARDS
MOST RECENT SHALLOW GROUNDWATER SAMPLES
JIS LANDFILL SITE
South Brunswick, New Jersey

14737-00(060)GN-WA008 MAR 16/2011

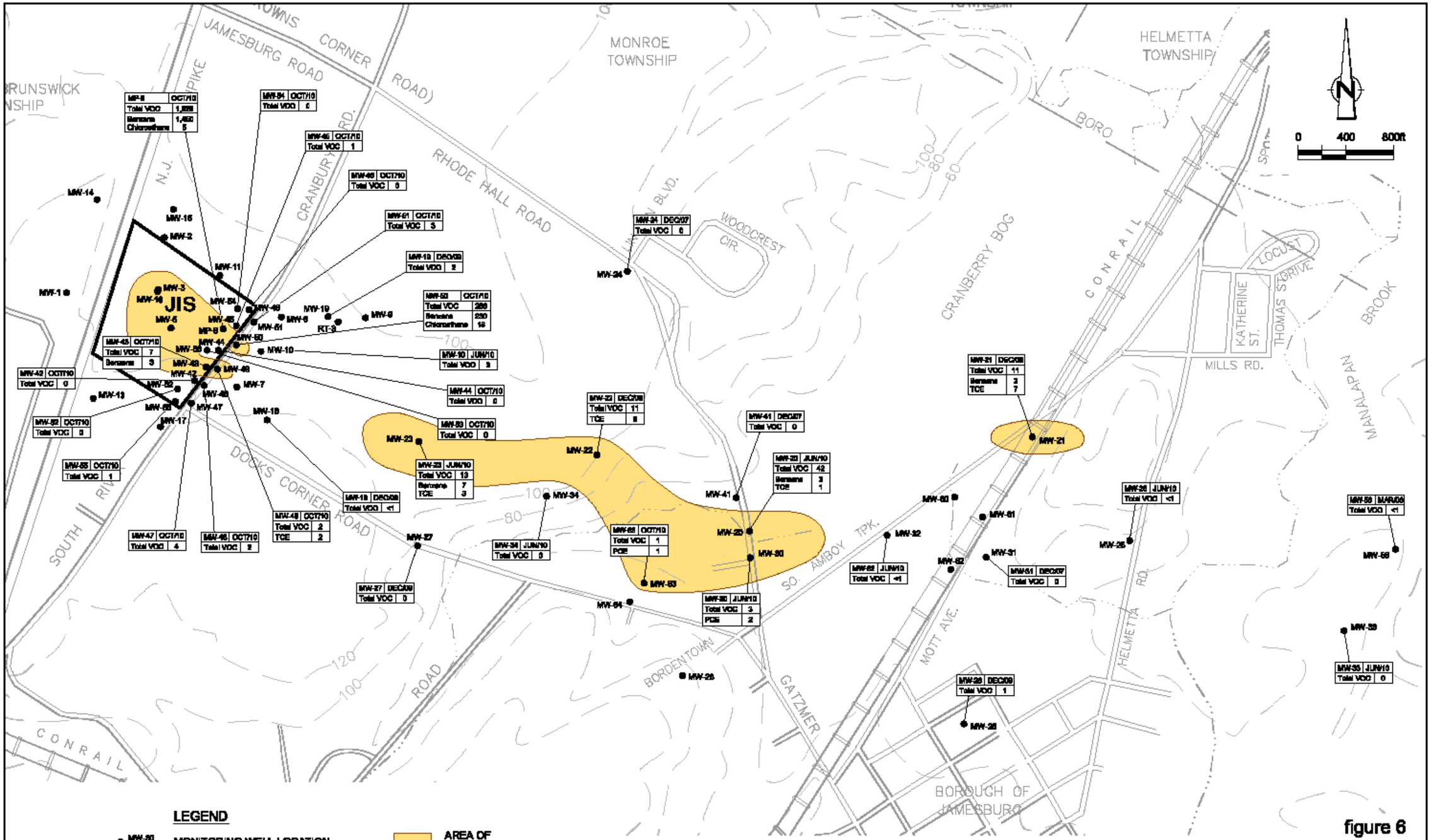


figure 6

EXCEEDANCES OF NEW JERSEY GROUNDWATER QUALITY STANDARDS
MOST RECENT INTERMEDIATE GROUNDWATER SAMPLES
JIS LANDFILL SITE
South Brunswick, New Jersey

14737-00(060)GN-WA009 MAR 16/2011

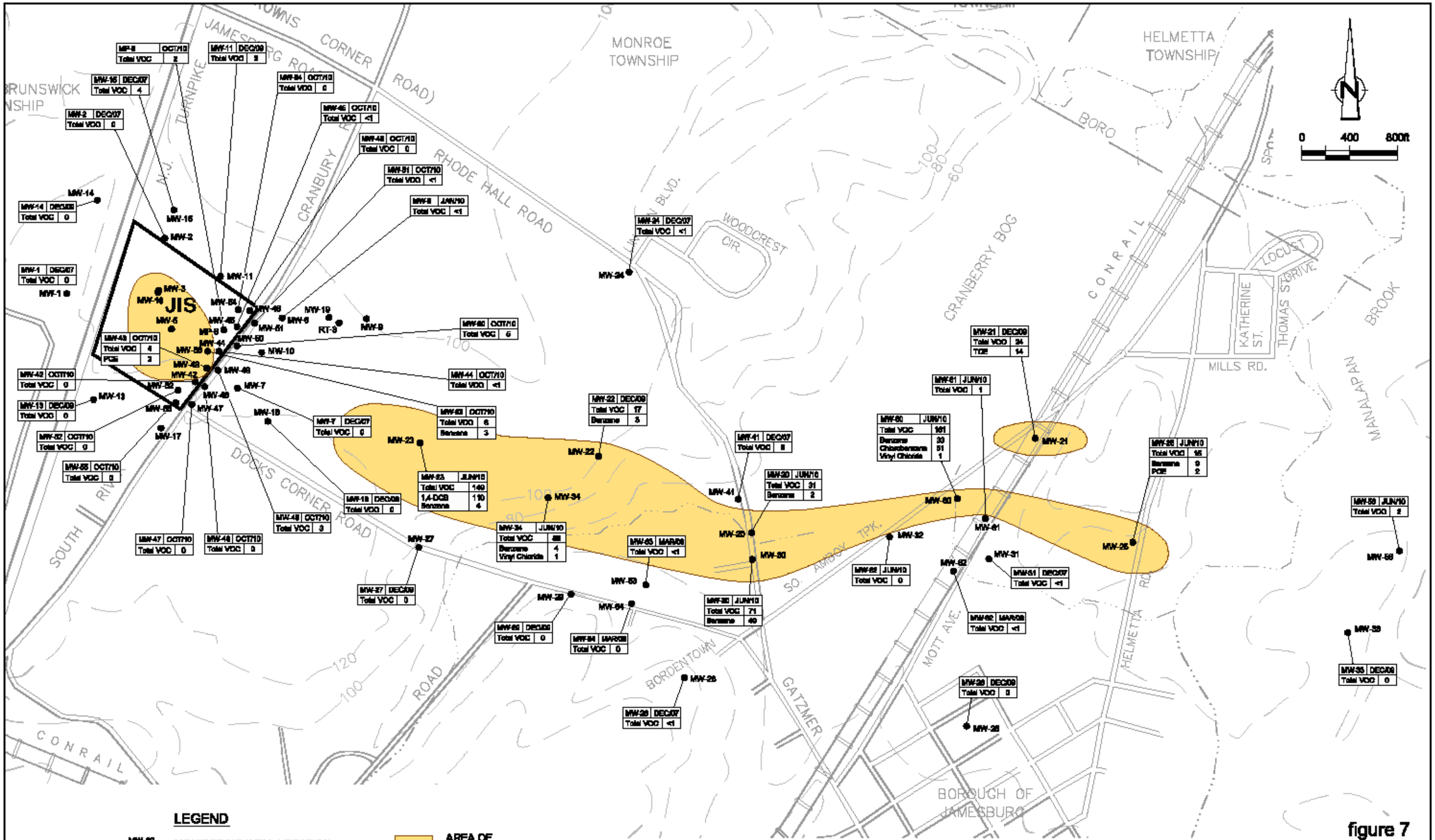


figure 7

EXCEEDANCES OF NEW JERSEY GROUNDWATER QUALITY STANDARDS
MOST RECENT DEEP GROUNDWATER SAMPLES
JIS LANDFILL SITE
South Brunswick, New Jersey

14737-00(060)GN-WA010 MAR 16/2011

LEGEND

CEA AND WRA AREAL EXTENT

TAX MAP SOURCES:

1. MAP No.47, SOUTH BRUNSWICK TWP., MIDDLESEX COUNTY, NJ, NOV. 2001.
2. MAP No.76, MONROE TWP., MIDDLESEX COUNTY, NJ, LAST REVISED JUL. 2007.
3. MAP No.79, MONROE TWP., MIDDLESEX COUNTY, NJ, LAST REVISED 1990.
4. MAP No.81, MONROE TWP., MIDDLESEX COUNTY, NJ, LAST REVISED 1990.
5. MAP No.81.01, MONROE TWP., MIDDLESEX COUNTY, NJ, LAST REVISED 1990.
6. MAP No.81.02, MONROE TWP., MIDDLESEX COUNTY, NJ, LAST REVISED 1992.
7. MAP No.82, MONROE TWP., MIDDLESEX COUNTY, NJ, LAST REVISED 1992.
8. MAP No.82.02, MONROE TWP., MIDDLESEX COUNTY, NJ, LAST REVISED 1997.
9. MAP No.82.05, MONROE TWP., MIDDLESEX COUNTY, NJ, LAST REVISED 1998.
10. MAP No.1, BOROUGH OF JAMESBURG, MIDDLESEX COUNTY, NJ, LAST REVISED OCT. 2005.

figure 8

CEA AND WRA AREAL EXTENT SHOWN ON TAX MAPS
JIS LANDFILL SITE
South Brunswick, New Jersey

14737-00(060)GN-WA007 MAR 17/2011

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:			*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*
Sample ID:			*14737-010507-20*	*14737-021507-21*	*14737-031407-16*	*14737-031407-17*	*14737-041807-51*	*14737-051007-23*	*14737-061207-19*	*14737-070907-13*
Sample Date:			*1/5/2007*	*2/15/2007*	*3/14/2007*	*3/14/2007*	*4/18/2007*	*5/10/2007*	*6/12/2007*	*7/9/2007*
						Duplicate				
Parameter	*Units*	*NJDEP GWQS Criteria*								
Volatiles										
1,1,1-Trichloroethane	µg/L	30	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	50	0.3	0.4	0.3 U	0.3 U	0.3	0.3	0.3 U	0.4
1,1-Dichloroethene	µg/L	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	9	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	600	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	2	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	600	1.0	0.6	0.7	0.7	0.4	0.5	0.6	0.5
1,4-Dichlorobenzene	µg/L	75	6.5	4.3	5.2	5.1	2.5	3.9	4.2	3.2
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	100[1]	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	6000	1.5 U	1.5 U	8.1	7.6	4.2	1.5 U	12	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	5	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	2	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	10	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	50	2.0	1.1	1.4	1.4	1.3	2.0	2.8	2.7
Chloroethane	µg/L	5[2]	**5.4**	2.2	2.9	3.0	3.5	**5.9**	**7.4**	**8.5**
Chloroform (Trichloromethane)	µg/L	70	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	100[1]	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	70	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	100[1]	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1000	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	700	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	30	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	3	0.4 U	0.4 U	0.4 U	0.4 U	0.4	0.4 U	0.6	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	600	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	100	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	1000	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	-	15.7	8.6	18.3	17.8	12.6	12.6	27.6	15.3
Metals										
Arsenic	µg/L	3	2.4 U	2.4 U	2.4 U	2.4 U	2.8 U	2.8 U	2.8 U	2.8 U
Manganese	µg/L	50	**1680**	**1490**	**1820**	**1850**	**883**	**1880**	**1550**	**1580**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*
Sample ID:		*14737-080707-02*	*14737-091007-02*	*14737-100807-05*	*14737-111607-06*	*GW-14737-121107-10*	*14737-011408-05*	*14737-021108-02*	*14737-031108-20*
Sample Date:		*8/7/2007*	*9/10/2007*	*10/8/2007*	*11/16/2007*	*12/11/2007*	*1/14/2008*	*2/11/2008*	*3/11/2008*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.4	0.3 U	0.3 U	0.3	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4	0.7	0.6	0.6	0.6	0.5	0.4	0.4
1,4-Dichlorobenzene	µg/L	2.0	2.6	3.1	3.0	2.6	2.3	1.1	1.4
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	13	8.8	7.1	12	9.8	1.5 U	5.6	7.6
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	2.3	2.5	2.5	2.8	2.4	2.4	1.2	1.3
Chloroethane	µg/L	**9.6**	**7.3**	**6.1**	**6.5**	**5.4**	3.4	3.4	2.1
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.7 U	0.6	0.6	0.5	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	27.3	22.3	20	25.5	21.6	8.6	11.7	12.8
Metals									
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	1.7 J	1.7 J	1.5 J	2.17 J	2.14 J
Manganese	µg/L	**1410**	**1350**	**1440**	**1890**	**1720**	**1660**	**774**	**1220**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*
Sample ID:		*14737-040708-01*	*14737-050508-05*	*14737-061008-03*	*14737-070708-13*	*14737-080408-02*	*14737-080408-03*	*14737-090908-17*	*14737-100608-03*
Sample Date:		*4/7/2008*	*5/5/2008*	*6/10/2008*	*7/7/2008*	*8/4/2008*	*8/4/2008*	*9/9/2008*	*10/6/2008*
							Duplicate		
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4	0.4	0.4 U	0.4 U	0.4 U	0.4	0.6
1,4-Dichlorobenzene	µg/L	0.9	1.1	1.1	1.0	1.6	1.6	2.9	5.0
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.6	0.9	**22**	**22**	**58**	**55**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.8	0.7	0.8	0.7	1.5	1.6	1.8	3.1
Chloroethane	µg/L	0.4 U	1.7	1.7	0.7	1.4	1.4	1.5	2.4
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5	1.3
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	1.7	3.9	4.9	3.3	26.5	26.6	75.5	67.7
Metals									
Arsenic	µg/L	**8.34**	1.2 J	1.31 J	1.51 J	1.53 J	1.03 J	2.03 J	1.79 J
Manganese	µg/L	**2870**	**1340**	**2310**	**4270**	**3750**	**3980**	**3160**	**2110**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*
Sample ID:		*14737-110308-13*	*14737-120908-13*	*14737-011609-48*	*14737-020409-18*	*14737-031009-19*	*14737-040709-11*	*14737-050609-03*	*14737-060309-24*	*14737-071409-13*
Sample Date:		*11/3/2008*	*12/9/2008*	*1/16/2009*	*2/4/2009*	*3/10/2009*	*4/7/2009*	*5/6/2009*	*6/3/2009*	*7/14/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.44 U	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.34	0.22	0.21
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	1.1	1.0	0.6	1.0	0.9	1.0	0.66	0.36	0.42
1,4-Dichlorobenzene	µg/L	8.9	7.4	4.2	8.9	6.2	7.3	4.2	2.8	3.8
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	6.1	1.5 U	2.5 UJ	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	4.4 U	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 UJ	1.9 UJ	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U
Benzene	µg/L	**50**	**14**	**3.2**	**1.3**	0.2 U	0.2 U	0.65	**2.0**	**4.5**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	4.2	3.8	2.3	3.2	1.9	1.6	1.1	0.16 U	1.0
Chloroethane	µg/L	2.7	2.3	1.9	2.4	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	1.1	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U
Ethylbenzene	µg/L	2.0	0.8	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	**1.2**	0.4 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	70.4	29.3	12.2	16.8	16.3	9.9	6.95	5.38	9.93
Metals										
Arsenic	µg/L	1.17	2.51 U	2.22 U	1.93 J	1.68 U	**3.31**	2.5 J	2.8	2.5 U
Manganese	µg/L	**3150**	**2830**	**2000**	**2480**	**2030**	**3120**	**3470**	**2810**	**3270**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*	*MP-6S*
Sample ID:		*14737-080609-07*	*14737-092209-20*	*14737-101209-08*	*14737-110909-08*	*14737-121609-13*	*14737-011110-08*	*14737-021310-18*	*14737-021310-19*	*14737-041910-20*
Sample Date:		*8/6/2009*	*9/22/2009*	*10/12/2009*	*11/9/2009*	*12/16/2009*	*1/11/2010*	*2/13/2010*	*2/13/2010*	*4/19/2010*
									Duplicate	
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.18 U	0.18 U	0.18 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	µg/L	0.10 U	0.35	0.30	0.36	0.56	0.66	0.65	0.71	0.20 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.28 U	0.28 U	0.28 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.88 U	0.88 U	0.88 U
1,2-Dichlorobenzene	µg/L	0.16 U	0.35	0.40	0.70	0.85	0.84	0.84	0.81	0.45
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.48 U	0.48 U	0.48 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.18 U	0.18 U	0.18 U
1,3-Dichlorobenzene	µg/L	0.46	0.85	1.1	1.6	2.0	1.8	1.5	1.6	0.78
1,4-Dichlorobenzene	µg/L	3.3	7.4	9.6	15	20	17	14	14	7.6
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	1.4 U	1.4 U	1.4 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5.0 U	5.0 U	5.0 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	3.8 U	3.8 U	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.60 U	0.60 U	-
Benzene	µg/L	**34**	**35**	**89**	**280**	**1100**	**2200**	**2700**	**2800**	**3400**
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.19 U	0.19 U	0.19 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	0.20 U	0.20 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U
Chlorobenzene	µg/L	0.97	2.1	2.8	4.4	6.9	7.2	7.6	7.8	6.2
Chloroethane	µg/L	0.45 U	1.8	0.45 U	2.7	4.4	4.5	**7.5**	**7.3**	**5.1**
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.30 U	0.30 U	0.30 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.42 U	0.42 U	0.42 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.40 U	0.40 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.22 U
Cyclohexane	µg/L	0.13 U	0.37	0.73	1.3	2.3	2.0	1.4	1.2	2.3
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.22 U	0.22 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.58 U	0.58 U	0.58 U
Ethylbenzene	µg/L	1.3	2.3	4.3	46	170	190	210	210	62
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.66 U	0.66 U	0.66 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.40 U	0.40 U	0.40 U
Toluene	µg/L	0.090 U	0.26	0.27	0.37	1.3	4.4	5.8	5.9	5.9
trans-1,2-Dichloroethene	µg/L	0.14 U	0.21	0.24	0.14 U	0.70	0.56	0.69	0.63	0.60
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.24 U	0.24 U	0.24 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.36 U	0.36 U	0.36 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.26 U	0.26 U	0.26 U
Xylenes (total)	µg/L	1.6	5.8	0.67	0.47	35	270	470	460	300
Total VOCs	µg/L	41.63	56.79	109.41	352.9	1344.01	2698.96	3419.98	3509.95	3790.93
Metals										
Arsenic	µg/L	2.5 U	**3.1**	2.4 J	**11.0**	**3.4**	2.5 U	2.8	2.9	-
Manganese	µg/L	**2560**	**3490**	**3960**	**5430**	**4400**	**4840**	**5480**	**5890**	**1750**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6S*	*MP-6S*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*
Sample ID:		*14737-071310-05*	*14737-100410-02*	*14737-010507-21*	*14737-021507-22*	*14737-031407-15*	*14737-041807-50*	*14737-051007-22*	*14737-061207-18*	*14737-070907-12*
Sample Date:		*7/13/2010*	*10/4/2010*	*1/5/2007*	*2/15/2007*	*3/14/2007*	*4/18/2007*	*5/10/2007*	*6/12/2007*	*7/9/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	0.35 J	0.5	0.5	0.3 U	0.4	0.6	0.6	0.5
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.27 J	0.65 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.51 J	1.4	0.5	0.5	0.5	0.7	0.6	1.0	0.9
1,4-Dichlorobenzene	µg/L	5.0	17	4.4	6.3	5.9	11	10	20	20
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	10 U	1.5 U	1.5 U	11	1.5 U	1.5 U	27	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**570**	**1200**	0.4	0.2 U	0.3	0.4	0.5	1.0	0.6
Bromodichloromethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	4.5	10	0.9	1.6	1.7	4.0	5.0	7.6	7.3
Chloroethane	µg/L	**5.3**	**8.9**	4.3	2.7	4.3	**5.7**	**11**	**11**	**13**
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5	0.4 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.1	3.1	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	2.4	12	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.5	0.4 U	0.6	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.46 J	1.1	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	0.80 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4	0.4
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.3	42	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	592.84	1297.3	11	11.6	23.7	22.7	27.7	69.7	42.7
Metals										
Arsenic	µg/L	**3.3**	2.8	2.4 U	2.4 U	3.0 J	2.8 U	2.8 U	2.8 U	2.8 U
Manganese	µg/L	**2190**	**4500**	**2460**	**2660**	**2340**	**2210**	**2050**	**2100**	**2530**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*
Sample ID:		*14737-080707-03*	*14737-091007-03*	*14737-100807-06*	*14737-111607-07*	*14737-121207-11*	*14737-011408-06*	*14737-021108-03*	*14737-031108-19*	*14737-040708-03*
Sample Date:		*8/7/2007*	*9/10/2007*	*10/8/2007*	*11/16/2007*	*12/12/2007*	*1/14/2008*	*2/11/2008*	*3/11/2008*	*4/7/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.5	0.5	0.4	0.3 U	0.4	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	4.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.7	0.9	0.5	0.6	0.8	0.6	0.5	0.5	0.4
1,4-Dichlorobenzene	µg/L	10	9.8	4.1	7.0	7.4	4.4	4.1	5.9	2.8
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	24	13	7.2	17	13	1.5 U	11	15	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.3	0.3	0.3	0.3	0.4	0.3	0.7	**11**	**3.0**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	4.6	3.9	1.7	3.1	3.4	2.6	2.2	3.1	1.6
Chloroethane	µg/L	**7.2**	2.8	1.6	2.2	2.0	1.0	1.2	0.9	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.6 U	0.5	0.5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	47.3	31.2	20.6	30.7	27.4	8.9	19.7	36.8	7.8
Metals										
Arsenic	µg/L	2.8 U	2.8 U	**3.9**	2.4 J	2.1 J	**3.04**	**3.55**	**3.72**	2.33 J
Manganese	µg/L	**2070**	**2040**	**1420**	**1540**	**1880**	**2140**	**2780**	**2610**	**2540**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*
Sample ID:		*14737-050508-06*	*14737-061008-02*	*14737-070708-12*	*14737-080408-04*	*14737-090908-16*	*14737-100608-02*	*14737-110308-12*	*14737-120908-14*	*14737-011609-47*
Sample Date:		*5/5/2008*	*6/10/2008*	*7/7/2008*	*8/4/2008*	*9/9/2008*	*10/6/2008*	*11/3/2008*	*12/9/2008*	*1/16/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3	0.3	0.3 U	0.3 U	0.3	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	12	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.5	0.6	0.7	0.6	0.8	1.2	1.2	1.2	1.4
1,4-Dichlorobenzene	µg/L	3.6	5.2	6.1	4.9	7.4	10	11	9.8	15
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	6.3	1.5 U	1.5 U	1.5 U	5.1
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**16**	**61**	**41**	**64**	**100**	**120**	**120**	**15**	**19**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	2.4	2.5	2.9	2.4	3.6	4.2	4.0	2.9	4.6
Chloroethane	µg/L	1.3	1.3	0.8	0.9	1.7	2.1	1.5	1.4	1.8
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6	0.6 U	0.6 U	0.6 U	0.6 U	0.6	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.5	0.7	0.4 U	1.0	2.2	1.8	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.6 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.4	0.3	0.3	0.5	0.5	0.7	0.3 U	0.3
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	1.3	0.4 U	0.4 U	0.4 U	0.6	1.3	0.4 U	0.4 U
Total VOCs	µg/L	23.8	73.7	52.8	73.1	121.3	141.5	154.1	30.3	47.2
Metals										
Arsenic	µg/L	2.94	1.29 J	1.94 J	1.97 J	**3.01**	**4.14**	2.31	**3.32**	**4.57**
Manganese	µg/L	**2870**	**2100**	**2900**	**1720**	**1540**	**1120**	**1300**	**1310**	**1780**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*
Sample ID:		*14737-020409-19*	*14737-020409-20*	*14737-031009-18*	*14737-040709-13*	*14737-050609-02*	*14737-060309-22*	*14737-060309-23*	*14737-071409-12*
Sample Date:		*2/4/2009*	*2/4/2009*	*3/10/2009*	*4/7/2009*	*5/6/2009*	*6/3/2009*	*6/3/2009*	*7/14/2009*
			Duplicate					*Duplicate*	
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.18 U	0.18 U	0.18 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.55	0.20 U	0.20 U	0.20 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.28 U	0.28 U	0.28 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.44 U	0.88 U	0.88 U	0.88 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.40	0.32 U	0.32 U	0.61
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.48 U	0.48 U	0.48 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.18 U	0.18 U	0.18 U
1,3-Dichlorobenzene	µg/L	1.3	1.3	1.1	1.1	1.2	0.89	0.88	1.6
1,4-Dichlorobenzene	µg/L	11	11	8.4	9.3	9.7	7.9	7.5	15
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	1.4 U	1.4 U	1.4 U
Acetone	µg/L	1.5 U	1.5 U	8.9	1.5 U	2.5 UJ	5.0 U	5.0 U	5.0 U
Acetonitrile	µg/L	-	-	-	-	4.4 U	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	1.9 UJ	3.8 UJ	3.8 UJ	3.8 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	-	0.60 U	0.60 U	0.60 U
Benzene	µg/L	**14**	**14**	**56**	**85**	**57**	**34**	**32**	**320**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.19 U	0.19 U	0.19 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.20 U	0.20 U	0.20 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.62 U	0.62 U	0.62 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.38 U	0.38 U	0.38 U
Chlorobenzene	µg/L	3.5	3.3	4.0	3.4	3.2	3.2	3.1	3.9
Chloroethane	µg/L	1.9	1.8	0.4 U	2.1	2.3	0.90 U	0.90 U	0.90 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.30 U	0.30 U	0.30 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.42 U	0.42 U	0.42 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.40 U	0.40 U	0.40 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.22 U	0.22 U	0.22 U
Cyclohexane	µg/L	0.7	0.6 U	0.6 U	0.8	1.1 J	0.26 U	0.26 U	0.94
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.22 U	0.22 U	0.22 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.58 U	0.58 U	0.58 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.50 U	0.50 U	9.1
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.66 U	0.66 U	0.66 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.38 U	0.38 U	0.38 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	**1.6**	0.4 U	0.20 U	0.40 U	0.40 U	0.40 U
Toluene	µg/L	0.3 U	0.3	0.5	0.5	0.090 U	0.18 U	0.18 U	3.0
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.28 U	0.28 U	0.28 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.24 U	0.24 U	0.24 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.36 U	0.36 U	0.36 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.26 U	0.26 U	0.26 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.86 U	0.86 U	6.7
Total VOCs	µg/L	32.4	31.7	80.5	102.2	75.45	45.99	43.48	360.85
Metals									
Arsenic	µg/L	**3.43**	**3.86**	**3.26**	**3.69**	2.7	2.5	**3.1**	**4.1**
Manganese	µg/L	**1170**	**1160**	**2340**	**1280**	**1060**	**2060**	**1950**	**1830**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*	*MP-6I*
Sample ID:		*14737-080609-05*	*14737-092209-21*	*14737-101209-09*	*14737-101209-10*	*14737-110909-09*	*14737-121609-14*	*14737-011110-09*	*14737-021310-20*	*14737-042110-22*
Sample Date:		*8/6/2009*	*9/22/2009*	*10/12/2009*	*10/12/2009*	*11/9/2009*	*12/16/2009*	*1/11/2010*	*2/13/2010*	*4/21/2010*
					Duplicate					
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	6.2 U	0.25 U	0.25 U	0.50 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	2.2 U	0.090 U	0.090 U	0.18 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.5 U	0.10 U	0.10 U	0.20 U
1,1-Dichloroethane	µg/L	0.10 U	0.53	0.61	0.57	0.75	2.5 U	1.2	0.73	0.20 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	3.5 U	0.14 U	0.14 U	0.28 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	11 U	0.44 U	0.44 U	0.88 U
1,2-Dichlorobenzene	µg/L	0.78	0.51	0.74	0.70	0.82	4.0 U	1.4	0.75	0.78
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	6.0 U	0.24 U	0.24 U	0.48 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	2.2 U	0.090 U	0.090 U	0.18 U
1,3-Dichlorobenzene	µg/L	2.3	1.6	2.1	2.2	2.7	5.5 U	3.4	1.8	1.5
1,4-Dichlorobenzene	µg/L	20	13	18	19	22	34	30	16	16
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	17 U	0.68 U	0.68 U	1.4 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	62 U	2.5 U	2.5 U	5.0 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	48 U	1.9 U	1.9 U	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	7.5 U	0.30 U	0.30 U	-
Benzene	µg/L	**870**	**1300**	**730**	**720**	**2100**	**5000**	**3700**	**1900**	**3000**
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	2.3 U	0.093 U	0.093 U	0.19 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	2.5 U	0.10 U	0.10 U	0.20 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	7.8 U	0.31 U	0.31 U	0.62 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	4.8 U	0.19 U	0.19 U	0.38 U
Chlorobenzene	µg/L	5.1	3.5	3.8	4.1	4.8	9.1	8.9	4.8	5.8
Chloroethane	µg/L	2.5	2.6	2.3	1.7	3.2	11 U	**6.1**	**5.3**	3.6
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	3.8 U	0.15 U	0.15 U	0.30 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	5.2 U	0.21 U	0.21 U	0.42 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	5.0 U	0.20 U	0.20 U	0.40 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	2.8 U	0.11 U	0.11 U	0.22 U
Cyclohexane	µg/L	2.3	0.52	1.3	1.2	1.7	3.2 U	2.7	1.6	2.2
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	2.8 U	0.11 U	0.11 U	0.22 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	7.2 U	0.29 U	0.29 U	0.58 U
Ethylbenzene	µg/L	61	100	100	110	190	320	380	170	79
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	8.2 U	0.33 U	0.33 U	0.66 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	4.8 U	0.19 U	0.19 U	0.38 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	5.0 U	0.20 U	0.20 U	0.40 U
Toluene	µg/L	8.4	3.0	2.8	3.1	8.4	8.9	6.7	2.8	2.4
trans-1,2-Dichloroethene	µg/L	0.48	0.31	0.24	0.28	0.46	3.5 U	0.81	0.41	0.58
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	3.0 U	0.12 U	0.12 U	0.24 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	4.5 U	0.18 U	0.18 U	0.36 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	3.2 U	0.13 U	0.13 U	0.26 U
Xylenes (total)	µg/L	96	260	250	270	350	670	970	370	130
Total VOCs	µg/L	1068.86	1685.57	1111.89	1132.85	2684.83	6042	5111.21	2474.19	3241.86
Metals										
Arsenic	µg/L	**3.7**	3.0	**6.1**	**5.1**	**20.3**	**6.9**	**7.1**	**6.1**	-
Manganese	µg/L	**1690**	**1080**	**1920**	**1780**	**3010**	**3380**	**2630**	**1740**	**2350**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6I*	*MP-6I*	*MP-6I*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*
Sample ID:		*14737-071410-06*	*14737-100410-03*	*14737-100410-04*	*14737-010507-16*	*14737-021507-20*	*14737-031407-14*	*14737-041807-49*	*14737-051007-20*	*14737-051007-21*
Sample Date:		*7/14/2010*	*10/4/2010*	*10/4/2010*	*1/3/2007*	*2/15/2007*	*3/14/2007*	*4/18/2007*	*5/10/2007*	*5/10/2007*
				Duplicate						*Duplicate*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	0.33 J	0.37 J	1.0	0.7	0.7	0.6	0.7	0.7
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.45 J	0.47 J	0.51 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.1	1.1	1.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	12	12	14	2.9	1.8	1.5	1.3	1.7	1.8
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	10 U	10 U	19	11	12	10	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	-	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**1300**	**1600**	**1300**	**2.5**	**1.1**	0.9	1.0	**1.1**	**1.1**
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	5.1	5.7	6.9	0.5	0.2 U	0.2 U	0.2 U	0.3	0.4
Chloroethane	µg/L	4.1	4.4	**5.4**	3.9	2.0	2.7	2.2	4.0	4.2
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	0.7	0.6	0.6	0.6	0.6	0.6
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.4	0.3	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.6	1.5	1.9	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	27	8.3	10	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.4	1.1	1.0	1.2	1.2	1.2
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.65 J	0.56 J	0.66 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.53 J	0.59 J	0.62 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	68	33	40	0.4 U	0.4 U	0.7	0.6	0.6	0.6
Total VOCs	µg/L	1420.53	1667.95	1381.76	32.3	18.6	20.1	17.5	10.2	10.6
Metals										
Arsenic	µg/L	**7.0**	**4.3**	**4.7**	2.4 U	2.4 U	2.4 U	2.8 U	2.8 U	2.8 U
Manganese	µg/L	**1470**	**2760**	**2560**	**299**	**291**	**269**	**292**	**256**	**248**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*
Sample ID:		*14737-061207-17*	*14737-070907-11*	*14737-080707-01*	*14737-091007-01*	*14737-100807-04*	*14737-111607-05*	*GW-14737-121107-09*	*14737-011408-04*
Sample Date:		*6/12/2007*	*7/9/2007*	*8/7/2007*	*9/10/2007*	*10/8/2007*	*11/16/2007*	*12/11/2007*	*1/14/2008*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.7	0.7	0.7	0.5	0.5	0.3 U	0.6	0.4
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	2.7	2.1	2.2	3.5	4.1	4.5	7.9	4.7
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	12	19	17	7.8	8.4	9.3	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0	1.0	0.8	0.8	0.6	0.6	0.9	**1.4**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.3	0.5	0.5
Chloroethane	µg/L	2.6	2.6	2.8	1.9	2.0	2.2	2.8	1.2
Chloroform (Trichloromethane)	µg/L	0.6	0.7	0.7	0.7	0.7	0.8	0.9	0.6
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3	0.3 U	0.3 U	0.3	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.3	1.5	1.5	1.5 U	1.4	1.5	1.5	0.9
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.6	0.6	0.6	0.9	0.9	0.9	1.0	0.5
Total VOCs	µg/L	21.5	28.2	26.3	16.7	18.6	20.1	16.4	10.2
Metals									
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.2 U	1.00 J	**6.88**
Manganese	µg/L	**245**	**295**	**300**	**313**	**302**	**285**	**252**	**265**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*
Sample ID:		*14737-021108-01*	*14737-031108-17*	*14737-031108-18*	*14737-040708-02*	*14737-050508-04*	*14737-061008-01*	*14737-070708-11*	*14737-080408-01*	*14737-090908-15*
Sample Date:		*2/11/2008*	*3/11/2008*	*3/11/2008*	*4/7/2008*	*5/5/2008*	*6/10/2008*	*7/7/2008*	*8/4/2008*	*9/9/2008*
				Duplicate						
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.6	0.7	0.7	0.3 U	0.3 U	0.5	0.5	0.5	0.5
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7
1,4-Dichlorobenzene	µg/L	5.1	4.9	5.1	4.7	7.5	6.9	7.5	4.5	7.7
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	8.9	7.4	7.7	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.8	0.8	0.8	1.0	**2.6**	**11**	0.6	**5.0**	**150**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.3	0.4	0.4	0.4	0.5	0.7	0.2 U	0.2 U	1.6
Chloroethane	µg/L	2.0	1.6	1.6	0.4 U	1.2	2.5	1.6	1.3	2.1
Chloroform (Trichloromethane)	µg/L	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.3
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.6	0.4 U	0.4 U	4.1
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.5	1.3	1.2	1.1	0.9	1.4 U	1.2	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.7	0.7	0.6	0.7	0.6	2.5	0.4 U	0.4 U	1.2
Total VOCs	µg/L	21	19	18.9	8.6	14	25.3	12	11.8	169.7
Metals										
Arsenic	µg/L	1.28 J	0.96 J	0.886 J	**9.58**	**7.32**	1.45 J	1.11 J	1.28 J	1.68 J
Manganese	µg/L	**263**	**282**	**256**	**335**	**322**	**325**	**333**	**361**	**419**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*
Sample ID:		*14737-100608-01*	*14737-110308-11*	*14737-120908-12*	*14737-011609-46*	*14737-020409-17*	*14737-031009-17*	*14737-040709-12*	*14737-050609-01*	*14737-060309-21*
Sample Date:		*10/6/2008*	*11/3/2008*	*12/9/2008*	*1/16/2009*	*2/4/2009*	*3/10/2009*	*4/7/2009*	*5/6/2009*	*6/3/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.8 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.7 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.5 U	0.5 U	0.6	0.5	0.7	0.3 U	0.5	0.79	0.95
1,1-Dichloroethene	µg/L	0.9 U	0.9 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	1.1 U	1.1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	1.0 U	10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.5 U	0.5 U	0.3 U	0.3 U	0.4	0.3 U	0.3 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	1.0	0.9	0.8	0.5	0.6	0.4	0.4 U	0.22 U	0.22 U
1,4-Dichlorobenzene	µg/L	11	9.6	8.0	2.3	4.3	1.0	1.0	0.84	1.1
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	1.5 U	1.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U
Acetone	µg/L	3.0 U	3.0 U	1.5 U	1.5 U	1.5 U	5.5	1.5 U	2.5 UJ	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	4.4 U	-
Acrolein	µg/L	13 U	13 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 UJ	1.9 UJ
Acrylonitrile	µg/L	6.2 U	6.2 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U
Benzene	µg/L	**280**	**270**	**100**	**41**	**32**	**1.5**	**6.8**	**2.6**	**6.3**
Bromodichloromethane	µg/L	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U
Bromoform	µg/L	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.9 U	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.7 U	0.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U
Chlorobenzene	µg/L	3.6	3.5	2.3	1.0	1.4	0.3	0.2 U	0.16 U	0.16 U
Chloroethane	µg/L	2.2	0.9 U	1.0	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.4 U	0.4 U	0.2 U	0.4	0.4	0.4	0.3	0.59	0.45
Chloromethane (Methyl chloride)	µg/L	0.9 U	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.6 U	0.6 U	0.4	0.3 U	0.6	0.3 U	0.3 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.3 U	0.3 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U
Cyclohexane	µg/L	1.2 U	1.2 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.5 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.6 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U
Ethylbenzene	µg/L	9.6	7.7	2.4	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
Hexane	µg/L	0.7 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.8	1.3	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.8 U	0.8 U	0.4 U	0.4 U	0.4 U	**1.7**	0.4 U	0.20 U	0.20 U
Toluene	µg/L	0.8	0.7	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.8 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.3 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.7 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.8 U	0.9	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U
Total VOCs	µg/L	309	304.6	115.5	45.7	40.4	10.8	8.6	4.82	8.8
Metals										
Arsenic	µg/L	1.90 J	1.34	2.12 U	2.32 U	2.42 J	**4.35**	**5.32**	**3.8**	**4.8**
Manganese	µg/L	**482**	**479**	**429**	**387**	**353**	**344**	**339**	**327**	**339**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*	*MP-6D*
Sample ID:		*14737-071409-11*	*14737-080609-06*	*14737-092209-19*	*14737-101209-07*	*14737-110909-07*	*14737-121609-11*	*14737-121609-12*	*14737-011110-07*	*14737-021310-17*
Sample Date:		*7/14/2009*	*8/6/2009*	*9/22/2009*	*10/12/2009*	*11/9/2009*	*12/16/2009*	*12/16/2009*	*1/11/2010*	*2/13/2010*
								Duplicate		
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	1.1	1.0	0.94	0.89	0.81	1.1	1.1	1.2	0.93
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.25	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,4-Dichlorobenzene	µg/L	0.44	0.61	0.55	0.38	0.58	0.68	0.59	0.46	0.27
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.37	0.69	0.13 U	0.29	**1.2**	**5.2**	**4.8**	**2.1**	0.73
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.49	0.42	0.23	0.16 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.56	0.42	0.40	0.45	0.15 U	0.55	0.54	0.54	0.39
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.35	0.30	0.27	0.20
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	2.47	2.72	1.89	2.26	2.59	8.37	7.75	4.8	2.52
Metals										
Arsenic	µg/L	**4.6**	3.0	**4.3**	**6.7**	10.0 U	2.5 J	**3.1**	2.5 U	2.5 U
Manganese	µg/L	**306**	**295**	**332**	**320**	**344**	**332**	**333**	**323**	**310**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MP-6D*	*MP-6D*	*MP-6D*	*MW-1S*	*MW-1D*	*MW-2S*	*MW-2D*	*MW-2D*	*MW-3*	*MW-3*
Sample ID:		*14737-042110-21*	*14737-071310-04*	*14737-100410-01*	*14737-1207-56*	*14737-1207-57*	*14737-1207-18*	*14737-1207-16*	*14737-1207-17*	*14737-0607-11*	*14737-1207-58*
Sample Date:		*4/21/2010*	*7/13/2010*	*10/4/2010*	*12/5/2007*	*12/5/2007*	*12/4/2007*	*12/4/2007*	*12/4/2007*	*6/19/2007*	*12/5/2007*
									Duplicate		
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.8 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.5 U
1,1,2-Trichloroethane	µg/L	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.2 U
1,1-Dichloroethane	µg/L	1.1	0.66 J	0.50 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	2.6 U
1,1-Dichloroethene	µg/L	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.6 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.3 U
1,2-Dichlorobenzene	µg/L	0.16 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.2 U
1,2-Dichloroethane	µg/L	0.24 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	2.7 U
1,2-Dichloropropane	µg/L	0.090 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.9 U
1,3-Dichlorobenzene	µg/L	0.22 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	5.0
1,4-Dichlorobenzene	µg/L	0.32	0.54 J	0.30 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.2	46
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	2.7	7.3 U
Acetone	µg/L	2.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	15 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	66 U
Acrylonitrile	µg/L	-	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	31 U
Benzene	µg/L	0.88	0.57 J	0.27 J	0.2 U	0.2 U	0.7	0.2 U	0.2 U	**110**	**1300**
Bromodichloromethane	µg/L	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U
Bromoform	µg/L	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.1 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	4.4 U
Carbon tetrachloride	µg/L	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	3.4 U
Chlorobenzene	µg/L	0.16 U	0.39 J	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5 U
Chloroethane	µg/L	0.45 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**6.8**	**20**
Chloroform (Trichloromethane)	µg/L	0.57	0.65 J	0.74 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	4.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	2.8 U
cis-1,3-Dichloropropene	µg/L	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.3 U
Cyclohexane	µg/L	0.13 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	6.1 U
Dibromochloromethane	µg/L	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	2.7 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	1.0 U	1.0 U	0.3 U	0.3 U	5.1	0.3 U	0.3 U	0.3 U	3.1 U
Ethylbenzene	µg/L	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	11	38
Hexane	µg/L	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.7 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	4.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	4.2 U
Toluene	µg/L	0.090 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	34	26
trans-1,2-Dichloroethene	µg/L	0.14 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.9 U
trans-1,3-Dichloropropene	µg/L	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.6 U
Trichloroethene	µg/L	0.18 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.6 U
Vinyl chloride	µg/L	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.4 U
Xylenes (total)	µg/L	0.43 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	42	340
Total VOCs	µg/L	2.87	2.81	1.81	ND	ND	5.8	ND	ND	207.7	1775
Metals											
Arsenic	µg/L	-	2.5 U	2.5 U	0.574 U	**3.38**	2.2 J	1.1 J	0.86 U	**4.1**	**5.36**
Manganese	µg/L	**291**	**284**	**231**	36.8	**61.4**	**599**	22.9	22.1	**594**	**854**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-3*	*MW-3*	*MW-3*	*MW-3*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*
Sample ID:		*14737-0608-09*	*14737-1208-12*	*14737-0609-28*	*14737-1209-24*	*14737-0607-12*	*14737-1207-45*	*14737-0608-10*	*14737-1208-13*	*14737-1208-14*	*14737-050709-23*
Sample Date:		*6/10/2008*	*12/2/2008*	*6/11/2009*	*12/2/2009*	*6/19/2007*	*12/5/2007*	*6/10/2008*	*12/2/2008*	*12/2/2008*	*5/7/2009*
										Duplicate	
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.8 U	1.0 U	1.0 U	1.9 U	19 U	3.8 U	7.6 U	7.6 U	25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.7 U	1.0 U	1.0 U	1.8 U	18 U	3.5 U	7.0 U	7.0 U	9.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.4 U	1.0 U	1.0 U	1.1 U	11 U	2.2 U	4.4 U	4.4 U	10 U
1,1-Dichloroethane	µg/L	3.2	2.2	1.5	2.1	1.3 U	13 U	2.6 U	5.2 U	5.2 U	10 U
1,1-Dichloroethene	µg/L	0.5 U	0.9 U	1.0 U	1.0 U	2.3 U	23 U	4.6 U	9.2 U	9.2 U	14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	1.1 U	1.0 U	1.0 U	2.9	26 U	5.3 U	11 U	11 U	44 U
1,2-Dichlorobenzene	µg/L	0.5 U	1.0 U	0.31 J	0.68 J	10	26 U	7.4	20	21	16 U
1,2-Dichloroethane	µg/L	0.3 U	0.5 U	1.0 U	0.36 J	1.4 U	14 U	2.7 U	5.4 U	5.4 U	24 U
1,2-Dichloropropane	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	2.4 U	24 U	4.9 U	9.8 U	9.8 U	9.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	1.5	1.0 U	1.7	17	26	15	19	20	23
1,4-Dichlorobenzene	µg/L	0.8	5.9	1.2	10	**140**	**170**	**150**	60	61	**88**
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	1.5 U	10 U	10 U	3.6 U	36 U	7.3 U	15 U	15 U	68 U
Acetone	µg/L	1.5 U	3.0 U	10 UJ	10 U	28	76 U	15 U	30 U	30 U	250 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	440 U
Acrolein	µg/L	6.6 U	13 U	4.0 UJ	4.0 U	33 U	330 U	66 U	130 U	130 U	190 UJ
Acrylonitrile	µg/L	3.1 U	6.2 U	2.0 U	2.0 U	16 U	160 U	31 U	62 U	62 U	-
Benzene	µg/L	**12**	**300**	**3.3**	**310**	**2100**	**5100**	**1100**	**18000**	**20000**	**27000**
Bromodichloromethane	µg/L	0.2 U	0.5 U	1.0 U	1.0 U	1.2 U	12 U	2.5 U	5.0 U	5.0 U	9.3 U
Bromoform	µg/L	0.2 U	0.4 U	1.0 U	1.0 U	1.0 U	10 U	2.1 U	4.2 U	4.2 U	10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.9 U	1.0 U	1.0 U	2.2 U	22 U	4.4 U	8.8 U	8.8 U	31 U
Carbon tetrachloride	µg/L	0.3 U	0.7 U	1.0 U	1.0 U	1.7 U	17 U	3.4 U	6.8 U	6.8 U	19 U
Chlorobenzene	µg/L	0.2 U	1.9	1.0 U	2.0	**290**	**310**	**160**	**640**	**690**	**500**
Chloroethane	µg/L	**79**	**120**	**65**	**140**	**42**	22 U	**11**	8.6 U	8.6 U	45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.4 U	1.0 U	1.0 U	1.0 U	10 U	2.0 U	4.0 U	4.0 U	15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.9 U	1.0 U	1.0 U	2.2 U	22 U	4.4 U	8.8 U	8.8 U	21 U
cis-1,2-Dichloroethene	µg/L	0.4	0.6 U	1.0 U	0.40 J	2.2	14 U	2.8 U	5.6 U	5.6 U	20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.3 U	1.0 U	1.0 U	0.6 U	6.5 U	1.3 U	2.6 U	2.6 U	11 U
Cyclohexane	µg/L	0.6 U	1.2 U	1.0 U	3.5	61	**130**	83	47	59	**120 J**
Dibromochloromethane	µg/L	0.3 U	0.5 U	1.0 U	1.0 U	1.4 U	14 U	2.7 U	5.4 U	5.4 U	11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.6 U	1.0 UJ	1.0 U	1.6 U	16 U	3.1 U	6.2 U	6.2 U	29 U
Ethylbenzene	µg/L	0.4 U	11	1.0 U	5.0	18	61	8.6	**1400**	**1600**	**950**
Hexane	µg/L	0.4 U	0.7 U	1.0 U	1.0 U	3.0	18 U	3.7 U	7.4 U	7.4 U	33 U
m&p-Xylenes	µg/L	-	-	-	1.5 J	-	-	-	-	-	-
Methylene chloride	µg/L	1.3	2.0 U	0.90 J	1.8	2.0 U	20 U	4.0 U	8.0 U	8.0 U	19 U
o-Xylene	µg/L	-	-	-	1.7	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.8 U	1.0 U	1.0 U	2.1 U	21 U	4.2 U	8.4 U	8.4 U	20 U
Toluene	µg/L	0.3 U	0.6 U	1.0 U	0.30 J	2.4	15 U	3.0 U	63	74	70
trans-1,2-Dichloroethene	µg/L	0.4 U	0.8 U	1.0 U	0.31 J	2.0 U	20 U	3.9 U	7.8 U	7.8 U	14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.3 U	1.0 U	1.0 U	0.8 U	8.0 U	1.6 U	3.2 U	3.2 U	12 U
Trichloroethene	µg/L	0.4 U	0.7 U	1.0 U	1.0 U	1.8 U	18 U	3.6 U	7.2 U	7.2 U	18 U
Vinyl chloride	µg/L	0.2 U	0.5 U	1.0 U	0.38 J	1.2 U	12 U	2.4 U	4.8 U	4.8 U	13 U
Xylenes (total)	µg/L	0.4 U	11	3.0 U	3.2	360	400	43	**6800**	**7400**	**8200**
Total VOCs	µg/L	96.7	453.5	72.21	484.93	3076.5	6197	1578	27049	29925	36951
Metals											
Arsenic	µg/L	**12.3**	**5.02**	**10.4**	**5.3**	**15.3**	**14.7**	**14.7**	**18.9**	**17.9**	**15.2**
Manganese	µg/L	**1490**	**2280**	**1620**	**1840**	**905**	**1420**	**1940**	**1490**	**1430**	**1750**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*
Sample ID:		*14737-050709-24*	*14737-060309-20*	*14737-0609-29*	*14737-0609-30*	*14737-071709-48*	*14737-080709-23*	*14737-091809-10*	*14737-091809-11*	*14737-101409-36*
Sample Date:		*5/7/2009*	*6/3/2009*	*6/11/2009*	*6/11/2009*	*7/17/2009*	*8/7/2009*	*9/18/2009*	*9/18/2009*	*10/14/2009*
		Duplicate			*Duplicate*				*Duplicate*	
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	25 U	25 U	20 UJ	20 UJ	6.2 U	12 U	6.2 U	6.2 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	9.0 U	9.0 U	20 UJ	20 UJ	2.2 U	4.5 U	2.2 U	2.2 U	0.090 U
1,1,2-Trichloroethane	µg/L	10 U	10 U	20 UJ	20 UJ	2.5 U	5.0 U	2.5 U	2.5 U	0.10 U
1,1-Dichloroethane	µg/L	10 U	10 U	20 UJ	20 UJ	2.5 U	5.0 U	2.5 U	2.5 U	0.10 U
1,1-Dichloroethene	µg/L	14 U	14 U	20 UJ	20 UJ	3.5 U	7.0 U	3.5 U	3.5 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	44 U	44 U	20 UJ	20 UJ	11 U	22 U	11 U	11 U	3.6
1,2-Dichlorobenzene	µg/L	30	16 U	13 J	13 J	15	14	14 J	12 J	12
1,2-Dichloroethane	µg/L	24 U	24 U	20 UJ	20 UJ	6.0 U	12 U	6.0 U	6.0 U	0.24 U
1,2-Dichloropropane	µg/L	9.0 U	9.0 U	20 UJ	20 UJ	2.2 U	4.5 U	2.2 U	2.2 U	0.090 U
1,3-Dichlorobenzene	µg/L	27	22 U	14 J	16 J	15	13	13 J	13 J	12
1,4-Dichlorobenzene	µg/L	**110**	59	51 J	57 J	57	60	59	57	63
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	68 U	68 U	200 UJ	200 UJ	17 U	34 U	17 U	17 U	1.4
Acetone	µg/L	250 U	250 U	200 UJ	200 UJ	62 U	120 U	62 U	62 U	2.5 U
Acetonitrile	µg/L	440 UJ	-	-	-	-	-	-	-	-
Acrolein	µg/L	190 UJ	190 UJ	80 UJ	80 UJ	48 U	96 U	48 UJ	48 UJ	1.9 UJ
Acrylonitrile	µg/L	-	30 U	40 UJ	40 UJ	7.5 UJ	15 U	7.5 U	7.5 U	0.30 U
Benzene	µg/L	**33000**	**26000**	**21000**	**21000**	**22000**	**29000**	**29000**	**31000**	**21000**
Bromodichloromethane	µg/L	9.3 U	9.3 U	20 UJ	20 UJ	2.3 U	4.6 U	2.3 U	2.3 U	0.093 U
Bromoform	µg/L	10 U	10 U	20 UJ	20 UJ	2.5 U	5.0 U	2.5 U	2.5 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	31 U	31 U	20 UJ	20 UJ	7.8 U	16 U	7.8 U	7.8 U	0.31 U
Carbon tetrachloride	µg/L	19 U	19 U	20 UJ	20 UJ	4.8 U	9.5 U	4.8 U	4.8 U	0.19 U
Chlorobenzene	µg/L	**550**	**410**	**350 J**	**380 J**	**400**	**360**	**310**	**290**	**240**
Chloroethane	µg/L	45 U	45 U	**32 J**	**27 J**	**37**	**60**	**72**	**65**	**75**
Chloroform (Trichloromethane)	µg/L	15 U	15 U	20 UJ	20 UJ	3.8 U	7.5 U	3.8 U	3.8 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	21 U	21 U	20 UJ	20 UJ	5.2 U	10 U	5.2 U	5.2 U	0.21 U
cis-1,2-Dichloroethene	µg/L	20 U	20 U	20 UJ	20 UJ	5.0 U	10 U	5.0 U	5.0 U	1.1
cis-1,3-Dichloropropene	µg/L	11 U	11 U	20 UJ	20 UJ	2.8 U	5.5 U	2.8 U	2.8 U	0.11 U
Cyclohexane	µg/L	**130**	44	55 J	50 J	46	67	67	65	58
Dibromochloromethane	µg/L	11 U	11 U	20 UJ	20 UJ	2.8 U	5.5 U	2.8 U	2.8 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	29 U	29 U	20 UJ	20 UJ	7.2 U	14 U	7.2 U	7.2 U	0.29 U
Ethylbenzene	µg/L	**1100**	450	420 J	450 J	660	660	**1100**	**1000**	**1300**
Hexane	µg/L	33 U	33 U	20 UJ	20 UJ	8.2 U	16 U	8.2 U	8.2 U	3.0
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	19 U	19 U	20 UJ	20 UJ	4.8 U	9.5 U	4.8 U	4.8 U	**5.0**
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	20 U	20 U	20 UJ	20 UJ	5.0 U	10 U	5.0 U	5.0 U	0.20 U
Toluene	µg/L	110	9.0 U	20 UJ	20 UJ	13	4.5 U	12 J	11 J	10
trans-1,2-Dichloroethene	µg/L	14 U	14 U	20 UJ	20 UJ	3.5 U	7.0 U	3.5 U	3.5 U	2.5
trans-1,3-Dichloropropene	µg/L	12 U	12 U	20 UJ	20 UJ	3.0 U	6.0 U	3.0 U	3.0 U	0.12 U
Trichloroethene	µg/L	18 U	18 U	20 UJ	20 UJ	4.5 U	9.0 U	4.5 U	4.5 U	0.18 U
Vinyl chloride	µg/L	13 U	13 U	20 UJ	20 UJ	3.2 U	6.5 U	3.2 U	3.2 U	0.13 U
Xylenes (total)	µg/L	**9600**	**6500**	**6300 J**	**6500 J**	**7300**	**6000**	**6700**	**6000**	**6700**
Total VOCs	µg/L	44657	33463	28235	28493	30543	36234	37347	38513	29486.6
Metals										
Arsenic	µg/L	**15.0**	**14.4**	**16.0**	**16.7**	**16.6**	**19.8**	**20.2**	**21.4**	**18.6**
Manganese	µg/L	**1660**	**1650**	**1720**	**1660**	**1570**	**1450**	**1470**	**1490**	**1510**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-6S*
Sample ID:		*14737-101409-37*	*14737-111009-21*	*14737-1209-25*	*14737-121709-21*	*14737-011410-52*	*14737-042710-43*	*14737-071610-17*	*14737-100810-43*	*14737-011007-46*
Sample Date:		*10/14/2009*	*11/10/2009*	*12/2/2009*	*12/17/2009*	*1/14/2010*	*4/27/2010*	*7/16/2010*	*10/8/2010*	*1/10/2007*
		Duplicate								
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	250 U	12 U	1.2 U	10 U	20 U	10 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.8 U	1.8 U	250 U	4.5 U	0.45 U	10 U	20 U	10 U	0.4 U
1,1,2-Trichloroethane	µg/L	2.0 U	2.0 U	250 U	5.0 U	0.50 U	10 U	20 U	10 U	0.2 U
1,1-Dichloroethane	µg/L	2.0 U	2.0 U	250 U	5.0 U	0.50 U	10 U	20 U	10 U	0.3 U
1,1-Dichloroethene	µg/L	2.8 U	2.8 U	250 U	7.0 U	0.70 U	10 U	20 U	10 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	8.8 U	8.8 U	250 U	22 U	2.2 U	10 U	20 U	10 U	0.5 U
1,2-Dichlorobenzene	µg/L	11	13	250 U	8.0 U	11	15	4.7 J	11	0.5 U
1,2-Dichloroethane	µg/L	4.8 U	4.8 U	250 U	12 U	1.2 U	**4.6 J**	20 U	10 U	0.3 U
1,2-Dichloropropane	µg/L	1.8 U	1.8 U	250 U	4.5 U	0.45 U	10 U	20 U	10 U	0.5 U
1,3-Dichlorobenzene	µg/L	11	13	250 U	11 U	11	25	6.5 J	10	0.4 U
1,4-Dichlorobenzene	µg/L	57	**87**	**100 J**	**83**	**93**	**180**	62	47	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	14 U	14 U	2500 U	34 U	3.4 U	100 U	200 U	100 U	0.7 U
Acetone	µg/L	50 U	50 U	2500 U	120 U	12 U	100 U	200 U	100 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	38 UJ	38 U	1000 U	96 U	9.6 U	-	-	-	6.6 U
Acrylonitrile	µg/L	6.0 U	6.0 U	500 U	15 U	1.5 U	-	-	-	3.1 U
Benzene	µg/L	**22000**	**29000**	**28000**	**18000**	**12000**	**12000**	**2600**	**12000**	0.2 U
Bromodichloromethane	µg/L	1.9 U	1.9 U	250 U	4.6 U	0.46 U	10 U	20 U	10 U	0.2 U
Bromoform	µg/L	2.0 U	2.0 U	250 U	5.0 U	0.50 U	10 U	20 U	10 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	6.2 U	6.2 U	250 U	16 U	1.6 U	10 U	20 U	10 U	0.4 U
Carbon tetrachloride	µg/L	3.8 U	3.8 U	250 U	9.5 U	0.95 U	10 U	20 U	10 U	0.3 U
Chlorobenzene	µg/L	**220**	**240**	**250**	**190**	**250**	**320**	**100**	**300**	0.2 U
Chloroethane	µg/L	**55**	**83**	250 U	**51**	**40**	**31**	**19 J**	**14**	0.4 U
Chloroform (Trichloromethane)	µg/L	3.0 U	3.0 U	250 U	7.5 U	0.75 U	10 U	20 U	10 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	4.2 U	4.2 U	250 U	10 U	1.0 U	10 U	20 U	10 U	0.4 U
cis-1,2-Dichloroethene	µg/L	4.0 U	4.0 U	250 U	10 U	1.0 U	23	20 U	10 U	0.3 U
cis-1,3-Dichloropropene	µg/L	2.2 U	2.2 U	250 U	5.5 U	0.55 U	10 U	20 U	10 U	0.1 U
Cyclohexane	µg/L	43	68	71 J	21	39	**170**	87	21	0.6 U
Dibromochloromethane	µg/L	2.2 U	2.2 U	250 U	5.5 U	0.55 U	10 U	20 U	10 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.8 U	5.8 U	250 U	14 U	1.4 U	10 U	20 U	10 U	0.3 U
Ethylbenzene	µg/L	**1200**	**2100**	**2000**	**1500**	**1200**	620	300	260	0.4 U
Hexane	µg/L	6.6 U	6.6 U	250 U	16 U	1.6 U	10 U	20 U	10 U	0.4 U
m&p-Xylenes	µg/L	-	-	8000	-	-	-	-	-	-
Methylene chloride	µg/L	3.8 U	3.8 U	250 U	9.5 U	0.95 U	10 U	20 U	10 U	0.4 U
o-Xylene	µg/L	-	-	99 J	-	-	-	-	-	-
Tetrachloroethene	µg/L	4.0 U	4.0 U	250 U	10 U	1.0 U	10 U	20 U	10 U	0.4 U
Toluene	µg/L	8.6	9.6	250 U	4.5 U	7.0	60	20 U	10 U	0.3 U
trans-1,2-Dichloroethene	µg/L	2.8 U	4.4	250 U	7.0 U	2.2	10 U	20 U	10 U	0.4 U
trans-1,3-Dichloropropene	µg/L	2.4 U	2.4 U	250 U	6.0 U	0.60 U	10 U	20 U	10 U	0.2 U
Trichloroethene	µg/L	3.6 U	3.6 U	250 U	9.0 U	0.90 U	10 U	20 U	10 U	0.5
Vinyl chloride	µg/L	2.6 U	2.6 U	250 U	6.5 U	0.65 U	**19**	20 U	10 U	0.2 U
Xylenes (total)	µg/L	**6000**	**8900**	**8100**	**6700**	**5700**	**1400**	180	**1600**	0.4 U
Total VOCs	µg/L	29605.6	40518	46620	26545	19353.2	14867.6	3359.2	14263	0.5
Metals										
Arsenic	µg/L	**18.6**	**26.2**	**19.9**	**17.0**	**18.0**	-	**14.7**	**18.3**	2.4 U
Manganese	µg/L	**1550**	**1400**	**1330**	**1220**	**1330**	**478**	**917**	**892**	**315**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-6S*	*MW-6S*	*MW-6S*	*MW-6S*	*MW-6S*	*MW-6S*	*MW-6S*	*MW-6S*	*MW-6S*
Sample ID:		*14737-041107-15*	*14737-071307-47*	*14737-101707-48*	*14737-1207-42*	*14737-011708-45*	*14737-040908-21*	*14737-070908-34*	*14737-100808-38*	*14737-011609-50*
Sample Date:		*4/11/2007*	*7/13/2007*	*10/17/2007*	*12/4/2007*	*1/17/2008*	*4/9/2008*	*7/9/2008*	*10/8/2008*	*1/16/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.4	ND	ND	ND	ND	ND	ND	ND	ND
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	0.36 U	0.202 J	0.137 J	0.104 U	0.351 J	0.533 U
Manganese	µg/L	**59.4**	**370**	**527**	**298**	**312**	**299**	**268**	**366**	**219**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-6S*	*MW-6S*	*MW-6S*	*MW-6S*	*MW-6S*	*MW-6D*	*MW-6D*	*MW-6D*	*MW-6D*
Sample ID:		*14737-041409-47*	*14737-071709-41*	*14737-101409-33*	*14737-011210-21*	*GW-14737-07*	*14737-011007-45*	*14737-041107-14*	*14737-071307-46*	*14737-101707-47*
Sample Date:		*4/14/2009*	*7/17/2009*	*10/14/2009*	*1/12/2010*	*6/15/2010*	*1/10/2007*	*4/11/2007*	*7/13/2007*	*10/17/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.090 U	0.090 U	0.090 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.10 U	0.10 U	0.10 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.14 U	0.14 U	0.14 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.44 U	2.8	0.44 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.16 U	0.16 U	0.16 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.24 U	0.24 U	0.24 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.090 U	0.090 U	0.090 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.22 U	0.22 U	0.22 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.15 U	0.15 U	0.15 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.68 U	0.68 U	0.68 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	2.5 U	2.5 U	2.5 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	1.9 U	1.9 UJ	1.9 U	-	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	0.30 U	0.30 U	0.30 U	-	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.093 U	0.093 U	0.093 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.31 U	0.31 U	0.31 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.19 U	0.19 U	0.19 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.16 U	0.16 U	0.16 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.45 U	0.45 U	0.45 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.15 U	0.15 U	0.15 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.21 U	0.21 U	0.21 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.20 U	0.20 U	0.20 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.11 U	0.11 U	0.11 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.13 U	0.13 U	0.13 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.11 U	0.11 U	0.11 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.29 U	0.29 U	0.29 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.33 U	0.33 U	0.33 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.19 U	0.19 U	0.19 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.20 U	0.20 U	0.20 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.090 U	0.090 U	0.090 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.14 U	0.14 U	0.14 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.12 U	0.12 U	0.12 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.18 U	0.18 U	0.36	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.43 U	0.43 U	0.81	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	2.8	1.17	ND	ND	ND	ND	ND
Metals										
Arsenic	µg/L	0.779 U	2.5 U	2.5 U	2.5 U	2.5 U	2.4 U	2.8 U	2.8 U	2.8 U
Manganese	µg/L	**151**	**168**	**175**	**164**	**92.6**	**54.5**	**315**	**61.7**	**62.3**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-6D*	*MW-6D*	*MW-6D*	*MW-6D*	*MW-6D*	*MW-6D*	*MW-6D*	*MW-6D*	*MW-6D*
Sample ID:		*14737-1207-41*	*14737-011708-44*	*14737-040908-20*	*14737-070908-33*	*14737-100808-37*	*14737-011609-49*	*14737-041409-46*	*14737-071709-40*	*14737-101409-32*
Sample Date:		*12/4/2007*	*1/17/2008*	*4/9/2008*	*7/9/2008*	*10/8/2008*	*1/16/2009*	*4/14/2009*	*7/17/2009*	*10/14/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	13	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	23	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.2	0.22 U	0.22 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	28	0.15 U	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 UJ
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	7.3	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U
Total VOCs	µg/L	0.3	ND	ND	ND	ND	ND	73.5	ND	ND
Metals										
Arsenic	µg/L	0.6 U	1.54 J	0.288 J	0.703 U	0.314 J	0.872 U	0.996 U	2.5 U	12.5 U
Manganese	µg/L	57.2	66.7	67.1	73.3	67.4	75.2	62.4	64.3	312

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-6D*	*MW-7S*	*MW-7S*	*MW-7D*	*MW-9*	*MW-10S*	*MW-10I*	*MW-10I*	*MW-10I*	*MW-10I*
Sample ID:		*14737-011210-20*	*14737-1207-32*	*GW-14737-05*	*14737-1207-31*	*14737-1207-49*	*14737-1207-05*	*14737-0607-15*	*14737-1207-06*	*14737-0608-06*	*14737-1208-19*
Sample Date:		*1/12/2010*	*12/4/2007*	*6/15/2010*	*12/4/2007*	*12/5/2007*	*12/3/2007*	*6/19/2007*	*12/3/2007*	*6/10/2008*	*12/2/2008*
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.25 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.5	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.4	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.10 U	1.2	1.0	0.3 U	0.3 U	0.3 U	0.4	0.5	0.3	0.4
1,1-Dichloroethene	µg/L	0.14 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	**39**	**100**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.16 U	24	45	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.24 U	**4.4**	1.7	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.090 U	**4.2**	**5.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.22 U	10	10	0.4 U	0.4 U	0.4 U	2.2	2.0	2.0	1.2
1,4-Dichlorobenzene	µg/L	0.15 U	68	67	0.4 U	0.4 U	0.4 U	18	11	8.1	4.2
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.7 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	2.5 U	1.5 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	6.6 U	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	0.30 U	3.1 U	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.13 U	**5.1**	**3.4**	0.2 U	0.2 U	0.2 U	0.9	**1.7**	0.8	0.8
Bromodichloromethane	µg/L	0.093 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.10 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	0.3 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.16 U	30	37	0.2 U	0.2 U	0.2 U	7.5	4.7	3.3	2.2
Chloroethane	µg/L	0.45 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U	2.0	2.7	1.1	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	8.4	0.37 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.1 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.13 U	3.5	2.7	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	0.3 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.3 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.25 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.33 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.6	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.090 U	0.4	0.42 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	4.1	0.62 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.18 U	**1.6**	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.13 U	**1.8**	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.78	0.4 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.78	207.2	274.21	ND	ND	ND	31.5	22.6	15.6	8.8
Metals											
Arsenic	µg/L	2.5 U	2.4 U	2.5 U	**4.1**	1.02 J	0.56 U	**10.6**	**9.6**	**10.4**	**8.72**
Manganese	µg/L	**58.6**	**1890**	**2520**	**122**	**66**	**1560**	**567**	**686**	**705**	**566**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-10I*	*MW-10I*	*MW-10I*	*MW-10I*	*MW-11S*	*MW-11S*	*MW-11S*	*MW-11S*	*MW-11S*	*MW-11S*
Sample ID:		*14737-0609-06*	*14737-0609-07*	*14737-1209-26*	*GW-14737-06*	*14737-0607-04*	*14737-1207-01*	*14737-0608-19*	*14737-1208-01*	*14737-0609-42*	*14737-1209-20*
Sample Date:		*6/9/2009*	*6/9/2009*	*12/2/2009*	*6/15/2010*	*6/19/2007*	*12/3/2007*	*6/10/2008*	*12/2/2008*	*6/11/2009*	*12/2/2009*
			Duplicate								
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.27 J	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.55 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.24 J	0.23 J	0.21 J	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.4	1.3	1.3	0.93 J	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	4.1	3.7	2.6	0.99 J	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	4.0 U	4.0 U	4.0 U	-	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ	4.0 U
Acrylonitrile	µg/L	2.0 U	2.0 U	2.0 U	-	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U
Benzene	µg/L	0.94 J	0.92 J	**9.7**	0.29 J	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
Chlorobenzene	µg/L	2.1	2.0	0.97 J	0.41 J	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 UJ	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Hexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	2.0 U	-	-	-	-	-	-	2.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	1.0 U	-	-	-	-	-	-	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U
Total VOCs	µg/L	9.05	8.15	14.78	3.17	ND	ND	ND	ND	ND	ND
Metals											
Arsenic	µg/L	**6.6**	**6.5**	**5.7**	2.5 U	2.8 U	2.3 J	2.42 J	1.05 U	2.5 U	2.5 U
Manganese	µg/L	**466**	**460**	**377**	**237**	**1590**	**1670**	**1450**	**1260**	**1210**	**1100**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-11D*	*MW-11D*	*MW-11D*	*MW-11D*	*MW-11D*	*MW-11D*	*MW-11D*	*MW-13S*	*MW-13S*	*MW-13S*
Sample ID:		*14737-0607-05*	*14737-1207-02*	*14737-0608-18*	*14737-1208-02*	*14737-1208-03*	*14737-0609-41*	*14737-1209-19*	*14737-0607-13*	*14737-1207-48*	*14737-0608-22*
Sample Date:		*6/19/2007*	*12/3/2007*	*6/10/2008*	*12/2/2008*	*12/2/2008*	*6/11/2009*	*12/2/2009*	*6/19/2007*	*12/5/2007*	*6/10/2008*
						Duplicate					
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.5	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ	10 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ	4.0 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.3	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.8	0.3 U	0.3 U	0.4	0.4	1.0 UJ	3.0	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	2.0 U	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	1.0 U	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	**1.1**	1.0	0.8
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.8	ND	0.5	0.4	0.4	ND	3	1.1	1.3	0.8
Metals											
Arsenic	µg/L	2.8 U	0.40 U	0.198 J	0.714 U	0.694 U	2.5 U	2.5 U	2.8 U	0.806 J	0.276 U
Manganese	µg/L	35.8	37.8	38.2	38.2	37.9	40.1	48.2	**155**	**203**	**134**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-13S*	*MW-13S*	*MW-13S*	*MW-13S*	*MW-13D*	*MW-13D*	*MW-13D*	*MW-13D*	*MW-13D*	*MW-13D*
Sample ID:		*14737-1208-11*	*14737-0609-25*	*14737-1209-21*	*14737-1209-22*	*14737-0607-14*	*14737-1207-47*	*14737-0608-20*	*14737-0608-21*	*14737-1208-10*	*14737-0609-26*
Sample Date:		*12/2/2008*	*6/11/2009*	*12/2/2009*	*12/2/2009*	*6/19/2007*	*12/5/2007*	*6/10/2008*	*6/10/2008*	*12/2/2008*	*6/11/2009*
					Duplicate				*Duplicate*		
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U
Acetone	µg/L	1.5 U	10 UJ	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	4.0 UJ	4.0 U	4.0 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ
Acrylonitrile	µg/L	3.1 U	2.0 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U
Benzene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromoform	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Chlorobenzene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Chloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.1 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U
Cyclohexane	µg/L	0.6 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	1.0 UJ	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 UJ
Ethylbenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Hexane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
m&p-Xylenes	µg/L	-	-	2.0 U	2.0 U	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
o-Xylene	µg/L	-	-	1.0 U	1.0 U	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	1.0 U	0.32 J	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Toluene	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Trichloroethene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Vinyl chloride	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Xylenes (total)	µg/L	0.4 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U
Total VOCs	µg/L	ND	ND	0.32	ND	ND	ND	ND	ND	ND	ND
Metals											
Arsenic	µg/L	0.292 U	2.5 U	2.5 U	2.5 U	2.8 U	0.152 U	0.097 U	0.160 U	0.278 U	2.5 U
Manganese	µg/L	**82.6**	**106**	**86.4**	**84.9**	43.5	30.1	33.0	31.4	30.4	30.0

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-13D*	*MW-14S*	*MW-14S*	*MW-14S*	*MW-14S*	*MW-14S*	*MW-14S*	*MW-14D*	*MW-14D*	*MW-14D*
Sample ID:		*14737-1209-23*	*14737-0607-02*	*14737-1207-54*	*14737-0608-01*	*14737-1208-17*	*14737-0609-22*	*14737-1209-42*	*14737-0607-03*	*14737-1207-55*	*14737-0608-02*
Sample Date:		*12/2/2009*	*6/19/2007*	*12/5/2007*	*6/10/2008*	*12/2/2008*	*6/10/2009*	*12/2/2009*	*6/19/2007*	*12/5/2007*	*6/10/2008*
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ	10 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	4.0 U	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ	4.0 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	2.0 U	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	0.80 J	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.3	1.0 U	0.84 J	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	0.9	0.3 U	0.3 U	0.6	1.0 UJ	1.0 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.27 J	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	2.0 U	-	-	-	-	-	0.82 J	-	-	-
Methylene chloride	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	1.0 U	-	-	-	-	-	1.0 U	-	-	-
Tetrachloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	0.82 J	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	0.9	ND	ND	0.9	ND	3.55	ND	ND	ND
Metals											
Arsenic	µg/L	2.5 U	2.8 U	0.486 U	0.220 J	0.762 U	2.5 U	2.5 U	2.8 U	0.374 U	0.157 J
Manganese	µg/L	33.1	46.2	42.7	40.7	43.2	34.5	46.5	20.4	23.8	23.7

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-14D*	*MW-14D*	*MW-14D*
Sample ID:		*14737-1208-18*	*14737-0609-23*	*14737-1209-41*
Sample Date:		*12/2/2008*	*6/10/2009*	*12/2/2009*
Parameter	***Units***			
Volatiles				
1,1,1-Trichloroethane	µg/L	0.4 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	10 U	10 U
Acetone	µg/L	1.5 U	10 UJ	10 U
Acetonitrile	µg/L	-	-	-
Acrolein	µg/L	6.6 U	4.0 UJ	4.0 U
Acrylonitrile	µg/L	3.1 U	2.0 U	2.0 U
Benzene	µg/L	0.2 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	1.0 U	1.0 U
Bromoform	µg/L	0.2 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.2 U	1.0 U	1.0 U
Chloroethane	µg/L	0.4 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.3 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.1 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.6 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	1.0 UJ	1.0 U
Ethylbenzene	µg/L	0.4 U	1.0 U	1.0 U
Hexane	µg/L	0.4 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	2.0 U
Methylene chloride	µg/L	0.4 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	1.0 U
Tetrachloroethene	µg/L	0.4 U	1.0 U	1.0 U
Toluene	µg/L	0.3 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.4 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.2 U	1.0 U	1.0 U
Xylenes (total)	µg/L	0.4 U	3.0 U	3.0 U
Total VOCs	µg/L	ND	ND	ND
Metals				
Arsenic	µg/L	0.429 U	2.5 U	2.5 U
Manganese	µg/L	22.2	23.2	26.4

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-15S*	*MW-16*	*MW-17*	*MW-17*	*MW-17*	*MW-17*	*MW-17*	*MW-17*	*MW-17*
Sample ID:		*14737-1207-30*	*14737-1207-59*	*14737-011007-47*	*14737-041307-36*	*14737-071307-48*	*14737-101507-36*	*14737-1207-46*	*14737-011508-27*	*14737-040908-22*
Sample Date:		*12/4/2007*	*12/5/2007*	*1/10/2007*	*4/13/2007*	*7/13/2007*	*10/15/2007*	*12/5/2007*	*1/15/2008*	*4/9/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	4.0	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	4	ND	ND	ND	ND	ND	ND	ND	ND
Metals										
Arsenic	µg/L	1.8 J	**5.92**	2.4 U	2.8 U	2.8 U	2.8 U	0.354 U	0.226 J	0.392 J
Manganese	µg/L	**173**	26.9	40.4	39.7	47.6	34.2	30.7	31.9	43.9

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-17*	*MW-17*	*MW-17*	*MW-17*	*MW-17*	*MW-17*	*MW-17*	*MW-18S*	*MW-18S*
Sample ID:		*14737-070908-35*	*14737-100808-39*	*14737-011609-51*	*14737-041409-48*	*14737-072009-52*	*14737-101409-34*	*14737-011210-22*	*14737-1207-33*	*GW-14737-04*
Sample Date:		*7/9/2008*	*10/8/2008*	*1/16/2009*	*4/14/2009*	*7/20/2009*	*10/14/2009*	*1/12/2010*	*12/4/2007*	*6/15/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.4 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.4 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.2 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	0.3 U	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.5 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.44 U	0.44 U	0.44 U	4.2	0.58 J
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.16 U	0.16 U	20	1.8
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	0.3 U	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	0.9	1.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.22 U	0.22 U	0.22 U	1.6	0.50 J
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.15 U	0.15 U	0.15 U	6.7	2.2
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.7 U	10 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	1.5 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 UJ	1.9 U	6.6 U	-
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U	3.1 U	-
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	**2.6**	1.0 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.2 U	1.0 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.2 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.4 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.3 U	1.0 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	15	1.0 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	0.4 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	0.2 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.4 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	1.4	1.0 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	1.0 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.6 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.3 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.3 U	1.0 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.4 U	1.0 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.4 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.4 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	0.4 U	1.0 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.3 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.4 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.2 U	1.0 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	0.5	0.25 J
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.6	1.0 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.50	0.4 U	3.0 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	ND	0.5	53.5	5.33
Metals										
Arsenic	µg/L	0.723 U	2.14 J	0.922 U	1.01 U	2.5 U	2.5 U	2.5 U	0.96 U	2.5 U
Manganese	µg/L	42.4	42.4	30.2	33.0	45.0	**54.8**	41.9	**1040**	**614**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-18I*	*MW-18I*	*MW-18I*	*MW-18I*	*MW-18I*	*MW-18I*	*MW-18I*	*MW-18D*	*MW-18D*	*MW-18D*
Sample ID:		*14737-0607-16*	*14737-1207-35*	*14737-0608-08*	*14737-1208-15*	*14737-0609-03*	*14737-1209-38*	*14737-1209-39*	*14737-0607-17*	*14737-0607-22*	*14737-1207-34*
Sample Date:		*6/19/2007*	*12/4/2007*	*6/10/2008*	*12/2/2008*	*6/9/2009*	*12/2/2009*	*12/2/2009*	*6/19/2007*	*6/19/2007*	*12/4/2007*
								Duplicate		*Duplicate*	
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.45 J	0.48 J	0.43 J	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	4.0 U	4.0 U	4.0 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	2.0 U	2.0 U	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	1.0 U	1.0 U	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	0.45	0.48	0.43	ND	ND	ND
Metals											
Arsenic	µg/L	2.8 U	1.1 J	0.362 J	1.36 U	2.5 U	2.5 U	2.5 U	2.8 U	2.8 U	0.2 U
Manganese	µg/L	31.4	**76.9**	**58.6**	**98.0**	**56.9**	**113**	**110**	**90.3**	**88.9**	**135**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-18D*	*MW-18D*	*MW-18D*	*MW-18D*	*MW-19S*	*MW-19I*	*MW-19I*	*MW-19I*	*MW-19I*	*MW-19I*
Sample ID:		*14737-0608-07*	*14737-1208-16*	*14737-0609-05*	*14737-1209-40*	*14737-1207-03*	*14737-0607-06*	*14737-1207-04*	*14737-0608-03*	*14737-0608-04*	*14737-1208-21*
Sample Date:		*6/10/2008*	*12/2/2008*	*6/9/2009*	*12/2/2009*	*12/3/2007*	*6/19/2007*	*12/3/2007*	*6/10/2008*	*6/10/2008*	*12/2/2008*
										Duplicate	
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.5	0.5	0.5	0.4	0.3
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	**2.1**	1.5	0.4	0.5	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.52 J	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	4.0 U	4.0 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	**1.5**	**1.2**	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.6	0.6	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	1.4	0.8	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2	0.5 U	0.4 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.8	0.3 U	1.3	1.2	1.4
Ethylbenzene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	2.0 U	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.6	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	1.0 U	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	**1.5**	**1.3**	0.8
Vinyl chloride	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	0.52	ND	ND	7.2	5.4	3.7	3.4	2.5
Metals											
Arsenic	µg/L	0.097 U	0.264 U	2.5 U	2.5 U	0.23 U	2.8 U	0.44 U	0.568 J	0.207 J	0.903 U
Manganese	µg/L	**131**	**100**	**120**	**115**	**105**	**1120**	**1190**	**890**	**924**	**1240**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-19I*	*MW-19I*	*MW-20S*	*MW-20I*	*MW-20I*	*MW-20D*	*MW-20D*	*MW-21S*	*MW-21I*	*MW-21I*
Sample ID:		*14737-0609-02*	*14737-1209-27*	*14737-1207-44*	*14737-1207-40*	*GW-14737-21*	*14737-1207-29*	*GW-14737-20*	*14737-1207-64*	*14737-0607-30*	*14737-0607-31*
Sample Date:		*6/9/2009*	*12/2/2009*	*12/5/2007*	*12/4/2007*	*6/16/2010*	*12/4/2007*	*6/16/2010*	*12/5/2007*	*6/20/2007*	*6/20/2007*
											Duplicate
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.25 J	1.0 U	0.3 U	0.5	1.0 U	0.3 U	1.0 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	0.5 U	0.8	1.1	2.5	2.6	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	0.5 U	1.1	1.2	2.4	2.6	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	1.0 U	1.2	1.0 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	0.4 U	2.3	1.9	2.6	1.5	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.29 J	0.28 J	0.4 U	21	15	20	11	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	0.7 U	0.7 U	10 U	0.7 U	10 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	10 U	1.5 U	1.5 U	10 U	1.5 U	10 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	4.0 U	4.0 U	6.6 U	6.6 U	-	6.6 U	-	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	2.0 U	2.0 U	3.1 U	3.1 U	-	3.1 U	-	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0 U	1.0 U	0.2 U	**9.1**	**3.9**	**5.3**	**1.9**	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	1.0 U	0.3 U	1.0 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	1.0 U	0.2 U	21	10	14	5.9	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	1.0 U	1.0 U	0.4 U	2.5	1.2	1.5	1.0 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.3 U	6.3	4.5	5.7	2.7	0.3 U	0.9	0.8
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.1 U	0.1 U	1.0 U	0.1 U	1.0 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	1.0 U	0.6 U	0.6 U	1.0 U	0.6 U	1.0 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	1.0 U	0.3 U	1.0 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.5	1.3	0.3 U	0.3 U	1.0 U	0.3 U	1.0 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	2.0 U	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	0.4 U	0.4	1.0 U	0.4 U	1.0 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	1.0 U	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	0.4 U	0.50 J	0.4 U	0.4 U	0.4 U
Toluene	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	1.0 U	0.3 U	1.0 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.4 U	3.9	1.4	2.2	0.93 J	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.44 J	0.50 J	0.4 U	**1.3**	**1.2**	0.9	0.73 J	0.4 U	**3.3**	**2.9**
Vinyl chloride	µg/L	1.0 U	1.0 U	0.2 U	1.0	0.60 J	**1.3**	1.0 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	3.0 U	0.4 U	0.4 U	3.0 U	0.4 U	3.0 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	2.48	2.08	ND	71.2	42	59.6	30.36	ND	4.2	3.7
Metals											
Arsenic	µg/L	2.5 U	2.5 U	**3.96 J**	0.33 U	2.5 U	0.44 U	2.5 U	0.482 U	2.8 U	2.8 U
Manganese	µg/L	**1230**	**1370**	**249**	**68.9**	**86.0**	**450**	**338**	**713**	24.5	24.5

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-21I*	*MW-21I*	*MW-21I*	*MW-21I*	*MW-21I*	*MW-21D*	*MW-21D*	*MW-21D*	*MW-21D*	*MW-21D*
Sample ID:		*14737-1207-66*	*14737-0608-38*	*14737-1208-36*	*14737-0609-13*	*14737-1209-01*	*14737-0607-32*	*14737-1207-65*	*14737-0608-37*	*14737-1208-35*	*14737-0609-14*
Sample Date:		*12/6/2007*	*6/12/2008*	*12/3/2008*	*6/9/2009*	*12/1/2009*	*6/20/2007*	*12/5/2007*	*6/12/2008*	*12/3/2008*	*6/9/2009*
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4	0.4	0.5	0.4 U	0.34 J
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	0.4	0.3 U	0.56 J	0.39 J	1.4	1.9	1.6	0.3 U	1.5
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.36 J
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.6	0.6	0.5	0.3 U	0.41 J
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.33 J	1.0 U	0.9	**1.3**	0.5 U	0.5 U	1.0
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	4.0 U	4.0 U	6.6 U	6.6 U	6.6 U	6.6 U	4.0 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U
Benzene	µg/L	0.2 U	**2.5**	**1.5**	**3.2**	**1.8**	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.22 J	0.42 J	4.8	5.3	5.6	5.0	5.2
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.7	2.7	1.4	2.7	1.6	4.0	3.4	2.6	1.7	1.7
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.6	0.3 U	0.8	0.3 U	0.82 J
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	2.0 U	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.5 U	1.0 U	1.0 U	0.4 U	0.4	0.4 U	0.6 U	1.0 U
o-Xylene	µg/L	-	-	-	-	1.0 U	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Trichloroethene	µg/L	**3.8**	**8.9**	**6.8**	**9.6**	**7.1**	**16**	**17**	**19**	**17**	**15**
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U
Total VOCs	µg/L	4.5	14.5	9.7	16.61	11.31	28.7	30.3	30.6	23.7	26.33
Metals											
Arsenic	µg/L	2.2 J	1.94 J	1.69 U	2.5 U	2.5 U	2.8 U	**9.07**	**8.92**	**3.49**	2.5 U
Manganese	µg/L	32.3	23.2	25.6	21.8	27.1	29.2	36.3	34.2	34.3	32.6

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-21D*	*MW-22S*	*MW-22I*	*MW-22I*	*MW-22I*	*MW-22I*	*MW-22I*	*MW-22I*	*MW-22D*	*MW-22D*
Sample ID:		*14737-1209-02*	*14737-1207-92*	*14737-0607-24*	*14737-1207-91*	*14737-0608-33*	*14737-1208-26*	*14737-0609-39*	*14737-1209-33*	*14737-0607-25*	*14737-1207-90*
Sample Date:		*12/1/2009*	*12/6/2007*	*6/20/2007*	*12/6/2007*	*6/12/2008*	*12/3/2008*	*6/11/2009*	*12/2/2009*	*6/20/2007*	*12/6/2007*
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.32 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.2	0.3 U	0.6	0.3	0.6	0.3 U	1.0 U	0.50 J	0.9	0.9
1,1-Dichloroethene	µg/L	0.28 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.6
1,2-Dichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.35 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.4	0.4
1,2-Dichloropropane	µg/L	1.0 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.26 J	1.4	1.2
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	0.7 U	0.7 U
Acetone	µg/L	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ	10 U	6.1	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	4.0 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ	4.0 U	6.6 U	6.6 U
Acrylonitrile	µg/L	2.0 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	3.1 U	3.1 U
Benzene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	**1.9**	**1.3**
Bromodichloromethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	2.8	1.8
Chloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	2.8	1.1
Chloroform (Trichloromethane)	µg/L	4.9	0.2 U	1.3	1.1	1.0 U	0.6	1.2	0.79 J	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.8	0.3 U	2.4	1.6	1.0	0.3 U	1.6	0.64 J	0.5	0.7
cis-1,3-Dichloropropene	µg/L	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.69 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 UJ	1.0 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	2.0 U	-	-	-	-	-	-	2.0 U	-	-
Methylene chloride	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4
o-Xylene	µg/L	1.0 U	-	-	-	-	-	-	1.0 U	-	-
Tetrachloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U
Toluene	µg/L	1.0 U	0.3 U	0.7	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U
Trichloroethene	µg/L	**14**	0.4 U	**14**	**11**	**11**	**8.8**	**7.3**	**8.3**	0.8	1.0
Vinyl chloride	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.3
Xylenes (total)	µg/L	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U
Total VOCs	µg/L	23.54	ND	19.7	14	12.6	9.4	10.1	10.49	17.6	9.7
Metals											
Arsenic	µg/L	**3.6**	0.88 J	2.8 U	0.77 U	0.484 J	1.70 U	2.5 U	2.5 U	**4.8**	**4.4**
Manganese	µg/L	38.0	**53.9**	**50.9**	**56.4**	**59.6**	**68.9**	**70.0**	**62.4**	**386**	**399**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-22D*	*MW-22D*	*MW-22D*	*MW-22D*	*MW-23S*	*MW-23I*	*MW-23I*	*MW-23I*	*MW-23I*	*MW-23I*
Sample ID:		*14737-0608-34*	*14737-1208-25*	*14737-0609-40*	*14737-1209-32*	*14737-1207-68*	*14737-0307-08*	*14737-0607-08*	*14737-0907-07*	*14737-1207-67*	*14737-0308-07*
Sample Date:		*6/12/2008*	*12/3/2008*	*6/11/2009*	*12/2/2009*	*12/5/2007*	*3/14/2007*	*6/19/2007*	*9/18/2007*	*12/5/2007*	*3/26/2008*
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.9	0.8	0.8	0.7	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.1	0.3 U	1.0 U	1.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0	0.8	1.0 U	0.62 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	1.0 U	0.21 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.4	0.3 U	1.0 U	0.41 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4	0.5	1.0 U	0.48 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.8	2.4	1.0 U	3.0	0.4 U	0.4 U	0.4 U	2.1	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	10 UJ	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	4.0 UJ	4.0 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**4.5**	**4.6**	**1.1**	**2.7**	0.2 U	**6.3**	**4.4**	**5.5**	**5.5**	**4.2**
Bromodichloromethane	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	2.7	3.2	1.0 U	4.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	1.9	2.2	1.0 U	2.2	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.5	0.4	0.4	0.4	0.6
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.6	0.3 U	1.4	0.42 J	0.3 U	1.0	0.7	0.8	0.8	0.9
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	1.0 U	0.52 J	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	1.0 UJ	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	2.0 U	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	1.0 U	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4	0.9
Toluene	µg/L	0.4 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	1.0 U	0.30 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**1.4**	0.9	**3.8**	0.76 J	0.4 U	**2.9**	**2.3**	**2.6**	**3.2**	**6.1**
Vinyl chloride	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	15.8	14.6	6.3	17.02	ND	11.6	8.6	12.2	11	12.7
Metals											
Arsenic	µg/L	**3.62**	**4.51**	2.5 U	**4.0**	1.34 J	2.4 U	2.8 U	2.8 U	0.398 U	0.176 J
Manganese	µg/L	**325**	**388**	**231**	**368**	**62**	35.3	35.3	35.5	39.5	38.8

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-23I*	*MW-23I*	*MW-23I*	*MW-23I*	*MW-23I*	*MW-23I*	*MW-23I*	*MW-23I*	*MW-23D*	*MW-23D*
Sample ID:		*14737-0608-11*	*14737-0908-01*	*14737-1208-04*	*14737-0309-04*	*14737-0609-08*	*14737-1209-30*	*GW-14737-02*	*GW-14737-03*	*14737-0307-07*	*14737-0607-09*
Sample Date:		*6/10/2008*	*9/11/2008*	*12/2/2008*	*3/11/2009*	*6/9/2009*	*12/2/2009*	*6/15/2010*	*6/15/2010*	*3/14/2007*	*6/19/2007*
									Duplicate		
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.7	0.4 U	0.7	0.6	0.75 J	0.65 J	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4	2.5
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5	2.2
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	7.2	6.4
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	**120**	**140**
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	10 U	10 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	4.0 U	4.0 U	-	-	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	-	-	3.1 U	3.1 U
Benzene	µg/L	**4.8**	**6.7**	**6.4**	**7.9**	**8.2**	**5.6**	**7.2**	**7.6**	**6.7**	**4.7**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.3	0.31 J	0.25 J	0.60 J	0.61 J	46	40
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	3.2	2.7
Chloroform (Trichloromethane)	µg/L	0.4 U	0.4	0.3	0.3	0.54 J	0.42 J	0.41 J	0.32 J	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.6	0.7	0.9	1.1	1.0	0.81 J	1.2	1.1	1.2	1.1
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	1.0 U	7.1	4.1
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	2.0 U	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.9
o-Xylene	µg/L	-	-	-	-	-	1.0 U	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.62 J	0.81 J	0.40 J	0.35 J	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	0.6	0.5
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.27 J	1.0 U	0.25 J	1.0 U	4.0	3.3
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Trichloroethene	µg/L	**3.5**	**2.6**	**2.2**	**2.8**	**4.3**	**4.9**	**2.5**	**2.6**	0.4	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.8	0.6
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U
Total VOCs	µg/L	9.6	10.4	10.5	13	15.99	13.44	12.56	12.58	201.5	209
Metals											
Arsenic	µg/L	0.166 J	0.144 J	1.25 U	1.14 U	**4.2**	2.5 U	2.5 U	2.5 U	**6.5**	**7.8**
Manganese	µg/L	40.1	43.9	40.9	43.6	**5760**	42.8	39.5	38.3	**465**	**457**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-23D*	*MW-23D*	*MW-23D*	*MW-23D*	*MW-23D*	*MW-23D*	*MW-23D*	*MW-23D*	*MW-23D*	*MW-23D*
Sample ID:		*14737-0607-10*	*14737-0907-06*	*14737-1207-69*	*14737-1207-70*	*14737-0308-03*	*14737-0608-12*	*14737-0908-02*	*14737-1208-05*	*14737-0309-03*	*14737-0609-04*
Sample Date:		*6/19/2007*	*9/18/2007*	*12/5/2007*	*12/5/2007*	*3/26/2008*	*6/10/2008*	*9/11/2008*	*12/2/2008*	*3/11/2009*	*6/9/2009*
		Duplicate			*Duplicate*						
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	0.4	0.3 U	0.3 U	0.3 U	0.3	0.3 U	0.3	0.3 U	0.53 J
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	3.0	6.0	4.5	4.6	7.6	6.8	4.2	3.9	1.9	3.4
1,2-Dichlorobenzene	µg/L	2.6	2.4	2.7	2.7	2.2	2.8	2.5	2.4	3.1	3.0
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,3-Dichlorobenzene	µg/L	7.5	7.6	9.0	8.8	8.5	8.6	8.2	6.9	7.6	7.8
1,4-Dichlorobenzene	µg/L	**160**	**130**	**140**	**140**	**140**	**140**	**140**	**120**	**130**	**140**
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	4.0 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U
Benzene	µg/L	**5.3**	**7.0**	**6.7**	**6.6**	**6.7**	**6.7**	**5.8**	**4.3**	**5.9**	**7.6**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Chlorobenzene	µg/L	45	46	43	43	30	32	35	32	30	32
Chloroethane	µg/L	3.0	3.8	3.3	3.2	2.0	2.2	3.2	2.0	2.7	1.9
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.3	1.2	1.0	1.0	0.8	0.6	0.7	0.6	0.3 U	0.90 J
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U
Cyclohexane	µg/L	4.8	8.3	11	10	6.6	5.7	7.3	4.1	5.9	5.4
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Hexane	µg/L	0.4	0.4 U	0.9	0.9	0.4 U	0.4 U	0.8	0.5	0.4 U	0.66 J
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Toluene	µg/L	0.6	0.7	0.7	0.7	0.5	0.6 U	0.6	0.3	0.3 U	0.47 J
trans-1,2-Dichloroethene	µg/L	3.8	3.4	3.9	3.8	2.3	2.3	3.2	2.5	3.1	3.3
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Trichloroethene	µg/L	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Vinyl chloride	µg/L	0.7	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U	0.2 U	1.0 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5	0.4 U	0.4 U	0.4 U	3.0 U
Total VOCs	µg/L	239.4	217.3	226.7	225.3	207.2	208.5	211.9	179.8	190.2	206.96
Metals											
Arsenic	µg/L	**7.3**	**6.4**	**8.56**	**8.26**	**7.04**	**7.26**	**7.73**	**7.36**	**8.74**	**5.6**
Manganese	µg/L	**445**	**462**	**476**	**466**	**411**	**424**	**505**	**440**	**514**	**514**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-23D*	*MW-23D*	*MW-24S*	*MW-24I*	*MW-24D*	*MW-24D*	*MW-25S*	*MW-25S*	*MW-25S*	*MW-25S*
Sample ID:		*14737-1209-31*	*GW-14737-01*	*14737-1207-39*	*14737-1207-36*	*14737-1207-37*	*14737-1207-38*	*14737-0607-38*	*14737-1207-77*	*14737-0608-28*	*14737-1208-30*
Sample Date:		*12/2/2009*	*6/15/2010*	*12/4/2007*	*12/4/2007*	*12/4/2007*	*12/4/2007*	*6/20/2007*	*12/6/2007*	*6/11/2008*	*12/3/2008*
							Duplicate				
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.46 J	0.53 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	2.9	2.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	2.3	2.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	6.2	6.2	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	**110**	**110**	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	4.0 U	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	2.0 U	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**4.2**	**3.8**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	25	18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	1.4	1.1	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.3 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.43 J	0.41 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	3.5	2.5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	2.0 U	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.6	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	1.0 U	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.31 J	0.26 J	0.3 U	0.3 U	0.3 U	0.3 U	3.6	1.7	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	2.3	1.5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.27 J	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	159.27	148.7	ND	ND	0.6	ND	3.9	1.7	ND	ND
Metals											
Arsenic	µg/L	**8.7**	**6.9**	1.6 J	0.94 J	1.1 J	1.0 J	2.8 U	1.9 J	2.71	2.46 U
Manganese	µg/L	**593**	**519**	31.5	**65.7**	**54.6**	**53.6**	41.0	**264**	**126**	**258**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-25S*	*MW-25S*	*MW-25S*	*MW-25I*	*MW-25I*	*MW-25I*	*MW-25I*	*MW-25I*	*MW-25I*	*MW-25I*
Sample ID:		*14737-0609-34*	*14737-0609-35*	*14737-1209-13*	*14737-0607-39*	*14737-1207-76*	*14737-0608-29*	*14737-1208-31*	*14737-1208-32*	*14737-0609-36*	*14737-1209-14*
Sample Date:		*6/11/2009*	*6/11/2009*	*12/1/2009*	*6/20/2007*	*12/6/2007*	*6/11/2008*	*12/3/2008*	*12/3/2008*	*6/11/2009*	*12/1/2009*
			Duplicate						*Duplicate*		
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.5	1.2	0.9	0.8	0.8	0.80 J	0.87 J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U
Acetone	µg/L	10 UJ	10 UJ	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	4.0 UJ	4.0 UJ	4.0 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ	4.0 U
Acrylonitrile	µg/L	2.0 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.33 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	0.25 J
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 UJ	1.0 UJ	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 UJ	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Hexane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	2.0 U	-	-	-	-	-	-	2.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	1.0 U	-	-	-	-	-	-	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.42 J
Toluene	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.27 J
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U
Total VOCs	µg/L	ND	ND	0.33	0.5	1.2	0.9	0.8	0.8	0.8	1.81
Metals											
Arsenic	µg/L	2.5 U	2.5 U	2.8	2.8 U	0.29 U	0.176 J	0.700 U	0.494 U	2.5 U	2.5 U
Manganese	µg/L	**155**	**154**	**208**	**72.1**	**71.3**	**56.0**	**62.3**	**62.9**	**52.6**	**61.9**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-25I*	*MW-25D*	*MW-25D*	*MW-25D*	*MW-25D*	*MW-25D*	*MW-25D*	*MW-25D*	*MW-26D*	*MW-27S*
Sample ID:		*GW-14737-11*	*14737-0607-37*	*14737-1207-75*	*14737-0608-27*	*14737-1208-29*	*14737-0609-33*	*14737-1209-12*	*GW-14737-10*	*14737-1207-81*	*14737-1207-85*
Sample Date:		*6/15/2010*	*6/20/2007*	*12/6/2007*	*6/11/2008*	*12/3/2008*	*6/11/2009*	*12/1/2009*	*6/15/2010*	*12/6/2007*	*12/6/2007*
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	0.2	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	0.5	0.4	0.3 U	0.3 U	1.0 U	0.29 J	1.0 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	3.4	3.0	2.5	0.5 U	0.84 J	0.70 J	0.53 J	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.9	1.0	0.8	0.5 U	1.0 U	0.24 J	1.0 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	1.0	0.7	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	0.9	0.7	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.6	1.1	0.9	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.77 J	24	12	10	2.1	2.9	2.6	2.2	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	10 U	0.7 U	0.7 U
Acetone	µg/L	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ	10 U	10 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ	4.0 U	-	6.6 U	6.6 U
Acrylonitrile	µg/L	-	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	-	3.1 U	3.1 U
Benzene	µg/L	1.0 U	**120**	**63**	**47**	**9.6**	**16**	**16**	**9.1**	0.2 U	0.2 U
Bromodichloromethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	8.0	2.8	2.5	0.2 U	1.0 U	0.63 J	0.43 J	0.2 U	0.2 U
Chloroethane	µg/L	1.0 U	0.9	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	1.0 U	0.4	0.4	0.2 U	0.2 U	1.0 U	0.21 J	0.23 J	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.9	1.3	0.8	0.3 U	1.0 U	0.41 J	1.0 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 UJ	1.0 U	1.0 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	2.0 U	-	-	-
Methylene chloride	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	1.0 U	-	-	-
Tetrachloroethene	µg/L	1.0 U	**2.4**	**2.0**	**2.9**	**2.3**	**2.7**	**1.8**	**1.7**	0.4 U	0.4 U
Toluene	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.6	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.5	0.6	0.6	0.4 U	1.0 U	0.23 J	1.0 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	**1.5**	**1.1**	**1.3**	0.4 U	1.0 U	0.65 J	0.59 J	0.4 U	0.4 U
Vinyl chloride	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U
Total VOCs	µg/L	0.77	170.1	90.1	69.3	14	22.44	23.76	14.78	0.6	ND
Metals											
Arsenic	µg/L	2.5 U	2.8 U	0.45 U	1.27 J	0.842 U	2.5 U	2.5 U	2.5 U	0.65 U	2.6
Manganese	µg/L	**57.5**	**126**	**128**	**112**	**120**	**105**	**111**	**115**	24.3	**189**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-27I*	*MW-27I*	*MW-27I*	*MW-27I*	*MW-27I*	*MW-27I*	*MW-27I*	*MW-27I*	*MW-27I*	*MW-27I*
Sample ID:		*14737-0307-06*	*14737-0607-18*	*14737-0907-01*	*14737-0907-02*	*14737-1207-83*	*14737-0308-02*	*14737-0608-13*	*14737-0908-03*	*14737-1208-08*	*14737-0309-05*
Sample Date:		*3/14/2007*	*6/19/2007*	*9/18/2007*	*9/18/2007*	*12/6/2007*	*3/26/2008*	*6/10/2008*	*9/11/2008*	*12/2/2008*	*3/11/2009*
					Duplicate						
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.1	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	1.2	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	1.2	ND	ND	ND	ND	1.7	ND	ND	ND
Metals											
Arsenic	µg/L	2.4 U	2.8 U	2.8 U	2.8 U	0.37 U	0.334 J	0.210 J	0.232 J	0.396 U	1.10 U
Manganese	µg/L	45.5	40.0	44.9	46.3	44.1	37.8	42.7	46.5	43.0	45.6

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-27I*	*MW-27I*	*MW-27I*	*MW-27I*	*MW-27D*	*MW-27D*	*MW-27D*	*MW-27D*	*MW-27D*	*MW-27D*
Sample ID:		*14737-0309-06*	*14737-0609-10*	*14737-0909-04*	*14737-1209-37*	*14737-0307-05*	*14737-0607-19*	*14737-0907-03*	*14737-1207-84*	*14737-0308-01*	*14737-0608-14*
Sample Date:		*3/11/2009*	*6/9/2009*	*9/23/2009*	*12/2/2009*	*3/14/2007*	*6/19/2007*	*9/18/2007*	*12/6/2007*	*3/26/2008*	*6/10/2008*
		Duplicate									
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	4.0 U	4.0 U	4.0 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	2.0 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	2.0 U	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	1.0 U	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals											
Arsenic	µg/L	0.952 U	2.5 U	2.5 U	2.5 U	2.4 U	2.8 U	2.8 U	0.23 U	0.512 J	0.363 J
Manganese	µg/L	45.0	24.1	42.5	46.3	42.6	35.8	34.7	39.4	26.0	23.7

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-27D*	*MW-27D*	*MW-27D*	*MW-27D*	*MW-27D*	*MW-27D*	*MW-28S*	*MW-28I*	*MW-28I*	*MW-28I*
Sample ID:		*14737-0908-04*	*14737-1208-09*	*14737-0309-07*	*14737-0609-09*	*14737-0909-05*	*14737-1209-36*	*14737-1207-72*	*14737-0607-36*	*14737-1207-73*	*14737-0608-35*
Sample Date:		*9/11/2008*	*12/2/2008*	*3/11/2009*	*6/9/2009*	*9/23/2009*	*12/2/2009*	*12/6/2007*	*6/20/2007*	*12/6/2007*	*6/12/2008*
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	4.0 U	4.0 U	4.0 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.4	0.3	0.4
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	2.0 U	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	1.0 U	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	ND	ND	0.4	0.3	0.4
Metals											
Arsenic	µg/L	0.282 J	0.636 U	2.61 U	2.5 U	2.5 U	2.5 U	0.88 J	2.8 U	0.77 U	0.866 J
Manganese	µg/L	33.2	26.0	31.0	38.7	27.5	23.4	22	48.1	48.3	46.9

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-28I*	*MW-28I*	*MW-28I*	*MW-28D*	*MW-28D*	*MW-28D*	*MW-28D*	*MW-28D*	*MW-28D*	*MW-29D*
Sample ID:		*14737-1208-33*	*14737-0609-21*	*14737-1209-08*	*14737-0607-35*	*14737-1207-74*	*14737-0608-36*	*14737-1208-34*	*14737-0609-20*	*14737-1209-07*	*14737-0607-40*
Sample Date:		*12/3/2008*	*6/10/2009*	*12/1/2009*	*6/20/2007*	*12/6/2007*	*6/12/2008*	*12/3/2008*	*6/10/2009*	*12/1/2009*	*6/20/2007*
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	0.7 U
Acetone	µg/L	1.5 U	10 UJ	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	4.0 UJ	4.0 U	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ	4.0 U	6.6 U
Acrylonitrile	µg/L	3.1 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	3.1 U
Benzene	µg/L	0.9	**1.8**	0.78 J	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Bromoform	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
Chlorobenzene	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Chloroethane	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	0.1 U
Cyclohexane	µg/L	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	1.0 UJ	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 UJ	1.0 U	0.3 U
Ethylbenzene	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
Hexane	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	-	-	2.0 U	-	-	-	-	-	2.0 U	-
Methylene chloride	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.6 U	1.0 U	1.0 U	0.4 U
o-Xylene	µg/L	-	-	1.0 U	-	-	-	-	-	1.0 U	-
Tetrachloroethene	µg/L	0.4 U	1.0 U	0.22 J	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
Toluene	µg/L	0.3 U	1.0 U	1.0 U	4.0	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Trichloroethene	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
Vinyl chloride	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Xylenes (total)	µg/L	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	0.4 U
Total VOCs	µg/L	0.9	1.8	1	4	ND	ND	ND	ND	ND	ND
Metals											
Arsenic	µg/L	0.834 U	2.5 U	2.5 U	2.8 U	0.34 U	0.358 J	0.824 U	2.5 U	2.5 U	**5.1**
Manganese	µg/L	**68.4**	**79.0**	48.3	15.1	17.2	18.6	16.2	16.0	16.9	**152**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-29D*	*MW-29D*	*MW-29D*	*MW-29D*	*MW-29D*	*MW-30S*	*MW-30I*	*MW-30I*	*MW-30I*	*MW-30I*
Sample ID:		*14737-1207-82*	*14737-0608-32*	*14737-1208-41*	*14737-0609-24*	*14737-1209-18*	*14737-1207-80*	*14737-0607-26*	*14737-1207-79*	*14737-0608-31*	*14737-1208-40*
Sample Date:		*12/6/2007*	*6/11/2008*	*12/3/2008*	*6/10/2009*	*12/2/2009*	*12/6/2007*	*6/20/2007*	*12/6/2007*	*6/11/2008*	*12/3/2008*
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.6	2.2	2.1	1.3
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	2.4	3.0	1.8	1.1
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.8	0.7	0.6	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	7.2	5.1	4.1	2.6
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	10 UJ	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	4.0 UJ	4.0 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	**4.8**	**3.1**	**1.5**	0.6
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	1.8	0.9	0.6	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.7	2.2	2.6	1.6	1.0
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	1.0 UJ	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	2.0 U	-	-	-	-	-
Methylene chloride	µg/L	0.5	0.4 U	0.7 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	1.0 U	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0	**1.1**	**1.7**	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.9	0.9	0.8	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.5	ND	ND	ND	ND	0.7	23	19.6	14.8	6.6
Metals											
Arsenic	µg/L	1.4 J	1.42 J	1.36 U	2.5 U	2.5 U	**3.4**	2.8 U	**34.7**	2.64	0.706 U
Manganese	µg/L	**75.1**	**70.8**	**59.1**	**58.3**	**64.4**	**87.4**	**103**	**139**	**117**	**138**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-30I*	*MW-30I*	*MW-30I*	*MW-30D*	*MW-30D*	*MW-30D*	*MW-30D*	*MW-30D*	*MW-30D*	*MW-30D*
Sample ID:		*14737-0609-32*	*14737-1209-05*	*GW-14737-18*	*14737-0607-29*	*14737-1207-78*	*14737-0608-30*	*14737-1208-39*	*14737-0609-31*	*14737-1209-06*	*GW-14737-19*
Sample Date:		*6/11/2009*	*12/1/2009*	*6/16/2010*	*6/20/2007*	*12/6/2007*	*6/11/2008*	*12/3/2008*	*6/11/2009*	*12/1/2009*	*6/16/2010*
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4	0.3 U	0.3	0.3 U	1.0 U	0.28 J	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.79 J	0.74 J	1.0 U	3.8	4.4	4.2	3.6	2.6	2.7	3.1
1,2-Dichlorobenzene	µg/L	0.74 J	0.49 J	1.0 U	2.1	1.8	1.6	1.4	1.1	1.0	1.0
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.8	0.8	0.3 U	0.3 U	1.0 U	0.40 J	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	0.5	0.7	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	2.2	1.8	2.0	1.6	1.4	1.1	1.2
1,4-Dichlorobenzene	µg/L	1.4	0.93 J	1.0 U	26	19	19	17	13	11	11
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	10 U
Acetone	µg/L	10 UJ	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ	10 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	4.0 UJ	4.0 U	-	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ	4.0 U	-
Acrylonitrile	µg/L	2.0 U	2.0 U	-	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	-
Benzene	µg/L	1.0 U	1.0 U	1.0 U	**120**	**98**	**85**	**76**	**84**	**58**	**49**
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	11	7.4	6.6	5.6	4.7	3.9	3.3
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.9	0.5	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.8	1.1	0.49 J	2.3	2.4	2.0	1.1	1.4	1.2	1.2
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	0.25 J	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 UJ	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 UJ	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U
Hexane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	2.0 U	-	-	-	-	-	-	2.0 U	-
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.5 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	-	1.0 U	-	-	-	-	-	-	1.0 U	-
Tetrachloroethene	µg/L	**2.4**	**2.1**	**1.6**	0.6	0.6	0.7	0.4 U	1.0 U	0.61 J	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.8	1.1	1.0	0.4 U	0.72 J	0.62 J	0.51 J
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	0.74 J	0.43 J	1.0	0.9	0.9	0.4 U	1.0 U	0.61 J	0.70 J
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	0.5	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	2.9 J	3.0 U	3.0 U
Total VOCs	µg/L	7.13	6.1	2.52	173.9	139.4	123.3	106.3	111.82	81.67	71.01
Metals											
Arsenic	µg/L	**3.5**	2.5 U	2.5 U	2.8 U	**4.4**	0.918 J	1.14 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	**132**	**142**	**121**	**164**	**217**	**180**	**189**	**174**	**177**	**168**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-31S*	*MW-31S*	*MW-31I*	*MW-31D*	*MW-32S*	*MW-32S*	*MW-32S*	*MW-32S*	*MW-32I*	*MW-32I*
Sample ID:		*14737-1207-95*	*14737-1207-96*	*14737-1207-93*	*14737-1207-94*	*14737-1207-63*	*14737-0609-19*	*14737-1209-16*	*14737-1209-16*	*14737-0607-33*	*14737-1207-62*
Sample Date:		*12/6/2007*	*12/6/2007*	*12/6/2007*	*12/6/2007*	*12/5/2007*	*6/10/2009*	*12/1/2009*	*12/2/2009*	*6/20/2007*	*12/5/2007*
			Duplicate								
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	-	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	-	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	-	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	-	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	-	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ	10 U	-	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ	4.0 U	-	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	-	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.7	0.7	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	-	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	-	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 UJ	1.0 U	-	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	2.0 U	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	1.0 U	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.8	**1.5**	1.0 U	0.89 J	-	**1.7**	**1.3**
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	-	0.4 U	0.4 U
Total VOCs	µg/L	0.7	0.7	ND	0.8	1.5	ND	0.89	-	1.7	1.3
Metals											
Arsenic	µg/L	**10**	**11**	0.76 U	0.3 U	**4.29**	**5.1**	-	**4.5**	2.8 U	0.354 U
Manganese	µg/L	**55.1**	**54.2**	**55.8**	44.9	**98.6**	**123**	-	**104**	**128**	**130**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-32I*	*MW-32I*	*MW-32I*	*MW-32I*	*MW-32I*	*MW-32D*	*MW-32D*	*MW-32D*	*MW-32D*	*MW-32D*
Sample ID:		*14737-0608-39*	*14737-1208-38*	*14737-0609-16*	*14737-1209-03*	*GW-14737-16*	*14737-0607-34*	*14737-1207-61*	*14737-0608-40*	*14737-1208-37*	*14737-0609-17*
Sample Date:		*6/12/2008*	*12/3/2008*	*6/10/2009*	*12/1/2009*	*6/16/2010*	*6/20/2007*	*12/5/2007*	*6/12/2008*	*12/3/2008*	*6/10/2009*
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U
Acetone	µg/L	1.5 U	1.5 U	10 UJ	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	4.0 UJ	4.0 U	-	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ
Acrylonitrile	µg/L	3.1 U	3.1 U	2.0 U	2.0 U	-	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U
Benzene	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromoform	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Chlorobenzene	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Chloroethane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U
Cyclohexane	µg/L	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	1.0 UJ	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 UJ
Ethylbenzene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Hexane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	2.0 U	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.8 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
o-Xylene	µg/L	-	-	-	1.0 U	-	-	-	-	-	-
Tetrachloroethene	µg/L	**1.2**	0.4 U	1.0 U	0.59 J	0.58 J	**1.8**	**1.2**	**1.2**	0.4 U	1.0 U
Toluene	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Trichloroethene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Vinyl chloride	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Xylenes (total)	µg/L	0.4 U	0.4 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U
Total VOCs	µg/L	1.2	ND	ND	0.59	0.58	1.8	1.2	1.2	ND	ND
Metals											
Arsenic	µg/L	0.424 J	0.808 U	2.5 U	2.5 U	2.5 U	2.8 U	0.472 U	0.344 J	0.906 U	2.5 U
Manganese	µg/L	**106**	**126**	**108**	**116**	**96.9**	**138**	**138**	**120**	**112**	**116**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-32D*	*MW-32D*	*MW-32D*	*MW-33S*	*MW-33I*	*MW-33I*	*MW-33I*	*MW-33I*	*MW-33I*	*MW-33I*
Sample ID:		*14737-0609-18*	*14737-1209-04*	*GW-14737-17*	*14737-1207-52*	*14737-0607-27*	*14737-1207-50*	*14737-1207-51*	*14737-0608-25*	*14737-1208-28*	*14737-0609-11*
Sample Date:		*6/10/2009*	*12/1/2009*	*6/16/2010*	*12/5/2007*	*6/20/2007*	*12/5/2007*	*12/5/2007*	*6/11/2008*	*12/3/2008*	*6/9/2009*
		Duplicate						*Duplicate*			
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	0.25 J	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U
Acetone	µg/L	10 UJ	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	4.0 UJ	4.0 U	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	4.0 U
Acrylonitrile	µg/L	2.0 U	2.0 U	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.5**	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 UJ	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Hexane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
m&p-Xylenes	µg/L	-	2.0 U	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
o-Xylene	µg/L	-	1.0 U	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	0.59 J	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0	3.0 U
Total VOCs	µg/L	ND	0.84	ND	ND	ND	ND	ND	ND	2.5	ND
Metals											
Arsenic	µg/L	2.5 U	2.5 U	2.5 U	1.66 J	2.8 U	1.12 J	0.922 J	0.703 J	1.21 U	2.5 U
Manganese	µg/L	**115**	**112**	**103**	12.6	16.2	24.1	24.4	12.6	34.1	13.7

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-33I*	*MW-33I*	*MW-33I*	*MW-33D*	*MW-33D*	*MW-33D*	*MW-33D*	*MW-33D*	*MW-33D*	*MW-34S*
Sample ID:		*14737-1209-10*	*14737-1209-11*	*GW-14737-09*	*14737-0607-28*	*14737-1207-53*	*14737-0608-26*	*14737-1208-27*	*14737-0609-12*	*14737-1209-09*	*14737-1207-89*
Sample Date:		*12/1/2009*	*12/1/2009*	*6/15/2010*	*6/20/2007*	*12/5/2007*	*6/11/2008*	*12/3/2008*	*6/9/2009*	*12/1/2009*	*12/6/2007*
			Duplicate								
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	0.7 U
Acetone	µg/L	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	4.0 U	4.0 U	-	6.6 U	6.6 U	6.6 U	6.6 U	4.0 U	4.0 U	6.6 U
Acrylonitrile	µg/L	2.0 U	2.0 U	-	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	3.1 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	0.1 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
Hexane	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	2.0 U	2.0 U	-	-	-	-	-	-	2.0 U	-
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
o-Xylene	µg/L	1.0 U	1.0 U	-	-	-	-	-	-	1.0 U	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Metals											
Arsenic	µg/L	2.5 U	2.5 U	2.5 U	2.8 U	1.37 J	0.876 J	1.04 U	2.5 U	2.5 U	2 J
Manganese	µg/L	19.9	20.3	13.3	**69.9**	**109**	**88.5**	**144**	**85.6**	**109**	35.5

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-34I*	*MW-34I*	*MW-34I*	*MW-34I*	*MW-34I*	*MW-34I*	*MW-34I*	*MW-34I*	*MW-34I*	*MW-34I*
Sample ID:		*14737-0307-04*	*14737-0607-20*	*14737-0907-04*	*14737-1207-86*	*14737-1207-87*	*14737-0308-04*	*14737-0608-15*	*14737-0908-05*	*14737-0908-06*	*14737-1208-06*
Sample Date:		*3/14/2007*	*6/19/2007*	*9/18/2007*	*12/6/2007*	*12/6/2007*	*3/26/2008*	*6/10/2008*	*9/11/2008*	*9/11/2008*	*12/2/2008*
						Duplicate				*Duplicate*	
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.3	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.8	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND
Metals											
Arsenic	µg/L	2.4 U	2.8 U	2.8 U	0.34 U	0.14 U	0.144 J	0.097 U	0.214 J	0.138 J	0.658 U
Manganese	µg/L	43.4	36.1	41.8	47.1	43.6	37.3	38.1	43.2	44.8	38.8

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-34I*	*MW-34I*	*MW-34I*	*MW-34I*	*MW-34I*	*MW-34D*	*MW-34D*	*MW-34D*	*MW-34D*	*MW-34D*
Sample ID:		*14737-0309-02*	*14737-0609-37*	*14737-0909-01*	*14737-1209-35*	*GW-14737-22*	*14737-0307-02*	*14737-0307-03*	*14737-0607-21*	*14737-0907-05*	*14737-1207-88*
Sample Date:		*3/11/2009*	*6/11/2009*	*9/23/2009*	*12/2/2009*	*6/16/2010*	*3/14/2007*	*3/14/2007*	*6/19/2007*	*9/18/2007*	*12/6/2007*
								Duplicate			
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.4	0.4	0.5	0.4
1,1-Dichloroethene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	5.4	5.8	5.0	5.0	4.6
1,2-Dichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	3.9	3.8	3.6	3.4	3.2
1,2-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	0.9	0.3 U	0.8	0.3 U	1.0
1,2-Dichloropropane	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	4.9	5.0	5.0	4.7	4.8
1,4-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	41	40	42	36	31
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	10 U	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	5.8	10 UJ	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	4.0 UJ	4.0 U	4.0 U	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	2.0 U	2.0 U	2.0 U	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	**5.2**	**5.1**	**4.7**	**6.1**	**4.7**
Bromodichloromethane	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	28	28	28	28	24
Chloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0	2.1	2.2	2.4	1.2
Chloroform (Trichloromethane)	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	15	15	12	12	11
cis-1,3-Dichloropropene	µg/L	0.1 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.3	0.8	1.0	0.6 U
Dibromochloromethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	1.0 UJ	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	2.0 U	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	1.0 U	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5	0.5	0.4	0.4	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	4.3	4.2	3.2	4.0	3.6
trans-1,3-Dichloropropene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	1.0 U	1.0 U	0.21 J	1.0 U	0.8	0.8	0.7	0.8	0.9
Vinyl chloride	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	**4.1**	**4.0**	**3.6**	**3.2**	**3.1**
Xylenes (total)	µg/L	0.4 U	3.0 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	5.8	ND	ND	0.21	ND	117.2	116	112.4	107.5	93.5
Metals											
Arsenic	µg/L	1.04 U	2.5 U	2.5 U	2.5 U	2.5 U	2.4 U	2.4 U	2.8 U	2.8 U	1.1 J
Manganese	µg/L	40.7	39.1	38.6	41.9	34.8	**527**	**468**	**465**	**483**	**490**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-34D*	*MW-34D*
Sample ID:		*14737-0308-05*	*14737-0308-06*
Sample Date:		*3/26/2008*	*3/26/2008*
			Duplicate
Parameter	*Units*		
Volatiles			
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	4.8	5.2
1,2-Dichlorobenzene	µg/L	3.6	3.9
1,2-Dichloroethane	µg/L	0.8	0.8
1,2-Dichloropropane	µg/L	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	5.9	6.2
1,4-Dichlorobenzene	µg/L	35	37
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U
Acetonitrile	µg/L	-	-
Acrolein	µg/L	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U
Benzene	µg/L	5.2	5.6
Bromodichloromethane	µg/L	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U
Chlorobenzene	µg/L	25	27
Chloroethane	µg/L	1.4	1.4
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	10	11
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U
Cyclohexane	µg/L	1.2	1.2
Dibromochloromethane	µg/L	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-
Methylene chloride	µg/L	0.4 U	0.4 U
o-Xylene	µg/L	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.4
trans-1,2-Dichloroethene	µg/L	3.1	3.4
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U
Trichloroethene	µg/L	1.0	1.0
Vinyl chloride	µg/L	2.4	2.8
Xylenes (total)	µg/L	0.4 U	0.4 U
Total VOCs	µg/L	99.4	106.9
Metals			
Arsenic	µg/L	0.764 J	0.904 J
Manganese	µg/L	470	471

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-34D*	*MW-34D*	*MW-34D*	*MW-34D*	*MW-34D*	*MW-34D*	*MW-34D*	*MW-34D*	*MW-34D*	*MW-41S*
Sample ID:		*14737-0608-17*	*14737-0908-07*	*14737-1208-07*	*14737-0309-01*	*14737-0609-38*	*14737-0909-02*	*14737-0909-03*	*14737-1209-34*	*GW-14737-23*	*14737-1207-28*
Sample Date:		*6/10/2008*	*9/11/2008*	*12/2/2008*	*3/11/2009*	*6/11/2009*	*9/23/2009*	*9/23/2009*	*12/2/2009*	*6/16/2010*	*12/4/2007*
								Duplicate			
Parameter	*Units*										
Volatiles											
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.5	0.4	0.3 U	1.0 U	0.40 J	0.46 J	0.48 J	1.0 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	6.7	4.0	4.8	4.1	1.0 U	4.5	4.5	4.3	5.1	0.5 U
1,2-Dichlorobenzene	µg/L	4.8	3.8	3.4	3.6	0.79 J	3.6	3.7	3.6	4.6	1.1
1,2-Dichloroethane	µg/L	0.3 U	0.8	0.8	0.6	1.0 U	1.0 U	1.0 U	0.62 J	1.0 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	0.44 J	1.0 U	1.0 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	6.4	5.9	4.8	5.2	1.4	4.8	5.0	4.4	5.7	0.4 U
1,4-Dichlorobenzene	µg/L	37	38	27	31	1.1	31	32	30	39	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	10 U	10 U	10 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	10 UJ	10 U	10 U	10 U	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	4.0 UJ	4.0 U	4.0 U	4.0 U	-	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U	2.0 U	2.0 U	-	3.1 U
Benzene	µg/L	**4.8**	**6.1**	**2.6**	**3.8**	1.0 U	**4.6**	**4.7**	**3.8**	**4.1**	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U
Chlorobenzene	µg/L	28	29	22	21	1.0 U	21	21	20	22	0.2 U
Chloroethane	µg/L	1.1	2.0	0.8	1.2	1.0 U	1.0 U	1.0 U	1.0	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	12	10	5.2	5.2	1.0 U	3.2	3.1	3.1	3.2	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U
Cyclohexane	µg/L	1.2	1.1	0.6 U	0.6 U	1.0 U	0.67 J	0.50 J	0.59 J	1.0 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
Hexane	µg/L	0.4	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	2.0 U	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	1.0 U	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
Toluene	µg/L	0.4 U	0.3	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.26 J	0.29 J	0.3 U
trans-1,2-Dichloroethene	µg/L	3.1	3.7	2.0	2.8	1.0 U	2.4	2.4	2.3	2.6	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U
Trichloroethene	µg/L	**1.2**	1.0	0.6	0.4 U	1.0 U	0.70 J	0.73 J	0.67 J	0.86 J	0.4 U
Vinyl chloride	µg/L	**3.4**	**3.4**	**1.3**	**1.7**	1.0 U	**1.1**	0.96 J	**1.2**	**1.1**	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	0.4 U
Total VOCs	µg/L	110.1	109.6	75.7	80.2	3.29	78.41	79.05	76.32	88.55	1.1
Metals											
Arsenic	µg/L	0.740 J	1.58 J	1.16 U	1.53 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**8.2**
Manganese	µg/L	**509**	**522**	**457**	**474**	**376**	**432**	**429**	**448**	**414**	9.4

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-41I*	*MW-41D*	*MW-42S*	*MW-42S*	*MW-42S*	*MW-42S*	*MW-42S*	*MW-42S*	*MW-42S*
Sample ID:		*14737-1207-27*	*14737-1207-26*	*14737-010507-22*	*14737-041307-39*	*14737-071107-26*	*14737-101507-29*	*14737-011708-41*	*14737-040908-26*	*14737-071008-48*
Sample Date:		*12/4/2007*	*12/4/2007*	*1/5/2007*	*4/13/2007*	*7/11/2007*	*10/15/2007*	*1/17/2008*	*4/9/2008*	*7/10/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	2.1	1.9	3.9	3.3	2.4	4.7	8.2
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	1.5	0.9	1.7	0.7	0.5 U	0.8	0.5
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.7	0.6	1.0	0.9	0.6	0.7	0.7
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	**1.2**	**1.5**	**2.6**	**1.7**	**1.6**	**1.8**	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.6	0.6	1.0	0.9	0.9	0.8	1.4
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	3.2	0.6	0.8	0.8	0.5	0.9	0.7
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	9.0	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.3	0.3	0.3	0.3	0.2 U	0.5	0.3
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.4	0.3 U	0.3 U	0.3 U	0.5
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	9	9.6	6.4	11.7	8.6	6	10.2	12.3
Metals										
Arsenic	µg/L	0.67 U	1.3 J	2.4 U	2.8 U	2.8 U	2.8 U	0.378 J	0.913 J	1.30 J
Manganese	µg/L	37.9	3.3 U	**133**	**71.5**	**58.0**	**71.7**	**56.5**	**75.5**	**88.9**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-42S*	*MW-42S*	*MW-42S*	*MW-42S*	*MW-42S*	*MW-42S*	*MW-42S*	*MW-42S*	*MW-42I*
Sample ID:		*14737-100908-45*	*14737-011509-39*	*14737-041409-51*	*14737-071709-42*	*14737-102009-41*	*14737-011410-40*	*14737-041910-17*	*14737-100510-14*	*14737-010507-23*
Sample Date:		*10/9/2008*	*1/15/2009*	*4/14/2009*	*7/17/2009*	*10/20/2009*	*1/14/2010*	*4/19/2010*	*10/5/2010*	*1/5/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	4.6	2.2	2.2	2.3	1.0	1.5	0.64	1.0 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.16 U	0.16 U	0.22	0.16 U	1.0 U	0.5 U
1,2-Dichloroethane	µg/L	0.8	0.6	0.7	0.54	0.24 U	0.25	0.24 U	0.29 J	0.3 U
1,2-Dichloropropane	µg/L	**1.8**	**2.2**	**1.6**	**1.2**	0.87	0.99	0.090 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0	0.9	1.1	0.22 U	0.66	0.80	0.45	1.0 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.5	0.4	0.5	0.15 U	0.41	0.52	0.34	1.0 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	1.9 U	1.9 U	1.9 U	-	-	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U	-	-	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.5	0.3 U	0.3 U	0.34	0.20 U	0.20 U	0.20 U	1.0 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	0.4 U
Total VOCs	µg/L	9.2	6.3	6.1	4.38	2.94	4.28	1.43	0.29	ND
Metals										
Arsenic	µg/L	0.361 J	0.928 U	1.60 U	2.5 U	2.5 U	2.5 U	-	2.5 U	2.7 J
Manganese	µg/L	**104**	**51.3**	**96.4**	**84.4**	**89.0**	48.4	10.2	**99.4**	44.2

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-42I*	*MW-42I*	*MW-42I*	*MW-42I*	*MW-42I*	*MW-42I*	*MW-42I*	*MW-42I*	*MW-42I*
Sample ID:		*14737-041307-38*	*14737-071107-27*	*14737-101507-31*	*14737-011708-43*	*14737-040908-24*	*14737-040908-25*	*14737-071008-47*	*14737-100908-44*	*14737-011509-37*
Sample Date:		*4/13/2007*	*7/11/2007*	*10/15/2007*	*1/17/2008*	*4/9/2008*	*4/9/2008*	*7/10/2008*	*10/9/2008*	*1/15/2009*
							Duplicate			
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.5	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.6	0.6	9.8	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.1	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.9	0.9	13	0.6	0.4
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.4	2.4	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	1.9	1.9	31.8	0.6	0.4
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	0.846 J	0.764 J	0.764 J	1.58 J	0.896 J	1.01 U
Manganese	µg/L	36.5	38.2	67.0	65.4	79	75.1	41.9	43.5	46.6

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-42I*	*MW-42I*	*MW-42I*	*MW-42I*	*MW-42I*	*MW-42I*	*MW-42I*	*MW-42I*	*MW-42D*
Sample ID:		*14737-011509-38*	*14737-041409-50*	*14737-071709-44*	*14737-102009-43*	*14737-011410-42*	*14737-041910-19*	*14737-100510-15*	*14737-100510-16*	*14737-010507-24*
Sample Date:		*1/15/2009*	*4/14/2009*	*7/17/2009*	*10/20/2009*	*1/14/2010*	*4/19/2010*	*10/5/2010*	*10/5/2010*	*1/5/2007*
		Duplicate							*Duplicate*	
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.22 U	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	1.9 U	1.9 U	1.9 U	-	-	-	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U	-	-	-	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals										
Arsenic	µg/L	1.20 U	1.17 U	**4.6**	2.5 U	2.5 U	-	2.5 U	2.5 U	2.4 U
Manganese	µg/L	46.2	32.4	42.9	41.1	42.9	39.8	40.4	37.1	46.8

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-42D*	*MW-42D*	*MW-42D*	*MW-42D*	*MW-42D*	*MW-42D*	*MW-42D*	*MW-42D*	*MW-42D*
Sample ID:		*14737-041307-37*	*14737-071107-28*	*14737-071107-29*	*14737-101507-30*	*14737-011708-42*	*14737-040908-23*	*14737-071008-46*	*14737-100908-43*	*14737-011509-36*
Sample Date:		*4/13/2007*	*7/11/2007*	*7/11/2007*	*10/15/2007*	*1/17/2008*	*4/9/2008*	*7/10/2008*	*10/9/2008*	*1/15/2009*
				Duplicate						
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	2.8 U	1.65 J	3.02	1.58 J	0.628 J	1.69 U
Manganese	µg/L	49.8	52.6	54.2	54.8	55.1	61.5	50.9	65.4	62.1

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-42D*	*MW-42D*	*MW-42D*	*MW-42D*	*MW-42D*	*MW-42D*	*MW-43S*	*MW-43S*	*MW-43S*
Sample ID:		*14737-041409-49*	*14737-071709-43*	*14737-102009-42*	*14737-011410-41*	*14737-041910-18*	*14737-100510-17*	*14737-010907-28*	*14737-021307-11*	*14737-031207-01*
Sample Date:		*4/14/2009*	*7/17/2009*	*10/20/2009*	*1/14/2010*	*4/19/2010*	*10/5/2010*	*1/9/2007*	*2/13/2007*	*3/12/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.9 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.8 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.1 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.3 U	0.4	0.4
1,1-Dichloroethene	µg/L	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	2.3 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	**9.6**	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	3.9	7.1	4.8
1,2-Dichlorobenzene	µg/L	15	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	2.6 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	**8.0**	**6.8**	**5.6**
1,2-Dichloropropane	µg/L	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	**2.7**	**2.1**	**1.4**
1,3-Dichlorobenzene	µg/L	1.4	0.22 U	0.22 U	0.22 U	0.22 U	1.0 U	1.8 U	1.0	1.1
1,4-Dichlorobenzene	µg/L	19	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	3.8	2.1	1.7
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	3.6 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	7.6 U	1.5 U	7.0
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	1.9 U	1.9 U	1.9 U	-	-	33 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	0.30 U	0.30 U	0.30 U	-	-	16 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	**1.5**	0.9	0.8
Bromodichloromethane	µg/L	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	2.2 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.7 U	0.3 U	0.3 U
Chlorobenzene	µg/L	4.0	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U	2.2 U	0.4 U	0.8
Chloroform (Trichloromethane)	µg/L	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	2.2 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.4 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	0.6 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	3.0 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.4 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.6 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	2.0 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.8 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	2.0 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	2.1 U	0.4	0.4 U
Toluene	µg/L	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.5 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	2.0 U	0.7	0.7
trans-1,3-Dichloropropene	µg/L	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	0.8 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U	1.8 U	0.6	0.4
Vinyl chloride	µg/L	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	2.0 U	0.4 U	0.4 U
Total VOCs	µg/L	49	ND	ND	ND	ND	ND	19.9	22.1	24.7
Metals										
Arsenic	µg/L	2.55 U	2.5 U	2.5 U	2.5 U	-	2.5 U	**8.1**	**7.0**	**5.7**
Manganese	µg/L	**60.8**	**54.4**	**56.1**	**54.8**	44.1	**54.8**	**138**	**123**	**108**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*
Sample ID:		*14737-041307-29*	*14737-050707-06*	*14737-061107-10*	*14737-071007-16*	*14737-080807-14*	*14737-091207-16*	*14737-101707-49*	*14737-111907-18*	*14737-121207-15*
Sample Date:		*4/13/2007*	*5/7/2007*	*6/11/2007*	*7/10/2007*	*8/8/2007*	*9/12/2007*	*10/17/2007*	*11/19/2007*	*12/12/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	1.9 U	1.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	1.8 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	1.1 U	1.1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
1,1-Dichloroethane	µg/L	0.3 U	0.4	1.3 U	1.3 U	0.3 U	0.3	0.3 U	0.3 U	0.5 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	2.3 U	2.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U
1,2,4-Trichlorobenzene	µg/L	3.2	4.5	5.5	2.6 U	2.3	4.4	4.3	3.9	4.0
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	2.6 U	2.6 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichloroethane	µg/L	**5.0**	**4.7**	**6.4**	**4.7**	**4.7**	**4.3**	**4.2**	**4.7**	**5.1**
1,2-Dichloropropane	µg/L	1.0	**1.4**	2.4 U	2.4 U	1.0	1.0	0.7	0.9	1.0
1,3-Dichlorobenzene	µg/L	0.7	1.0	1.8 U	1.8 U	0.5	0.8	0.6	0.6	0.9
1,4-Dichlorobenzene	µg/L	1.1	1.3	2.0 U	2.0 U	0.8	1.3	0.7	0.7	1.1
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	3.6 U	3.6 U	0.7 U	0.7 U	0.7 U	0.7 U	1.5 U
Acetone	µg/L	6.8	13	20	7.6 U	15	9.4	8.6	9.3	14
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	33 U	33 U	6.6 U	6.6 U	6.6 U	6.6 U	13 U
Acrylonitrile	µg/L	3.1 U	3.1 U	16 U	16 U	3.1 U	3.1 U	3.1 U	3.1 U	6.2 U
Benzene	µg/L	0.6	0.7	1.2 U	1.2 U	0.4	0.4	0.3	0.3	0.5 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	1.2 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U
Bromoform	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	2.2 U	2.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	1.7 U	1.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U
Chlorobenzene	µg/L	0.2 U	0.2 U	1.2 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U
Chloroethane	µg/L	0.6	0.7	2.2 U	2.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	2.2 U	2.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	1.4 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.6 U	0.6 U	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U
Cyclohexane	µg/L	0.6 U	0.6 U	3.0 U	3.0 U	0.6 U	0.6 U	0.6 U	0.6 U	1.2 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	1.4 U	1.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	1.6 U	1.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
Ethylbenzene	µg/L	0.4 U	0.4 U	2.0 U	2.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U
Hexane	µg/L	0.4 U	0.4 U	1.8 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.5 U	0.5	2.0 U	2.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	2.1 U	2.1 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U
Toluene	µg/L	0.3 U	0.3 U	1.5 U	1.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U
trans-1,2-Dichloroethene	µg/L	0.5	0.8	2.0 U	2.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.8 U	0.8 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U
Trichloroethene	µg/L	0.4	0.5	1.8 U	1.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U
Vinyl chloride	µg/L	0.2 U	0.2 U	1.2 U	1.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U
Xylenes (total)	µg/L	0.4 U	0.4 U	2.0 U	2.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U
Total VOCs	µg/L	19.9	29.5	31.9	4.7	24.7	21.9	19.4	20.4	26.1
Metals										
Arsenic	µg/L	**6.1**	**6.3**	**6.4**	**10.0**	**6.2**	**4.7**	**4.4 J**	**7.1**	**7.5 J**
Manganese	µg/L	**105**	**82.4**	**57.9**	**97.9**	**81.8**	**81.1**	**77.3**	**93.8**	**92.9**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*
Sample ID:		*14737-011608-28*	*14737-021208-19*	*14737-031008-13*	*14737-040808-13*	*14737-050608-17*	*14737-061008-11*	*14737-070808-24*	*14737-080508-11*	*14737-090808-07*
Sample Date:		*1/16/2008*	*2/12/2008*	*3/10/2008*	*4/8/2008*	*5/6/2008*	*6/10/2008*	*7/8/2008*	*8/5/2008*	*9/8/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	4.2	2.8	3.3	4.2	4.3	4.4	3.6	2.8	3.4
1,2-Dichlorobenzene	µg/L	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	**3.5**	**3.6**	**3.4**	**3.1**	**2.5**	2.0	2.0	**2.5**	**2.8**
1,2-Dichloropropane	µg/L	0.7	0.8	0.8	0.8	0.5 U	0.5 U	0.5 U	0.6	0.7
1,3-Dichlorobenzene	µg/L	0.7	0.6	0.6	0.9	0.5	0.7	0.6	0.5	0.6
1,4-Dichlorobenzene	µg/L	0.8	0.6	0.7	0.7	0.8	1.0	0.7	0.5	1.1
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	7.0	10	9.9	1.5 U	1.5 U	1.5 U	4.6	1.5 U	6.0
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2	0.3	0.3	0.3	0.2 U	0.2 U	0.2 U	0.6
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.5	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	18.1	18.6	19.5	10.4	8.4	8.1	11.5	6.9	15.2
Metals										
Arsenic	µg/L	**7.3**	**6.02**	**6.51**	**5.81**	**5.34**	**8.02**	**7.46**	**4.52**	**4.47**
Manganese	µg/L	**87.3**	**63.3**	**66.6**	46.5	**65.1**	**84.9**	**64.6**	**67.3**	**74.2**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*
Sample ID:		*14737-100708-16*	*14737-110408-20*	*14737-120908-17*	*14737-011409-29*	*14737-020309-10*	*14737-030909-13*	*14737-040809-26*	*14737-050709-16*	*14737-060309-16*
Sample Date:		*10/7/2008*	*11/4/2008*	*12/9/2008*	*1/14/2009*	*2/3/2009*	*3/9/2009*	*4/8/2009*	*5/7/2009*	*6/3/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	6.0	4.9	5.2	3.1	3.7	2.1	2.6	**16**	2.6
1,2-Dichlorobenzene	µg/L	2.3	3.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	21	0.32
1,2-Dichloroethane	µg/L	0.3 U	1.9	1.6	0.3 U	1.1	0.7	0.3 U	0.24 U	0.75
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.8	1.1	0.6	0.5	0.6	0.6	0.5	2.5	0.57
1,4-Dichlorobenzene	µg/L	0.7	8.9	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	24	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	5.8	1.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	4.4 U	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 UJ
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U
Benzene	µg/L	0.2 U	0.4	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	3.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.4	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**1.5**	0.4 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U
Total VOCs	µg/L	9.8	24.9	7.4	3.6	5.7	10.7	3.1	65.9	4.24
Metals										
Arsenic	µg/L	**4.10**	2.60	**3.93**	**3.73**	**3.25**	**3.31**	3.96 U	2.4 J	2.5 U
Manganese	µg/L	**114**	**85.3**	**79.3**	**70.2**	**64.8**	**78.6**	**81.7**	**72.0**	**70.5**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*	*MW-43S*
Sample ID:		*14737-071709-39*	*14737-080709-20*	*14737-092109-12*	*14737-101309-19*	*14737-110909-06*	*14737-121609-06*	*14737-011210-19*	*14737-020910-09*	*14737-041610-13*
Sample Date:		*7/17/2009*	*8/7/2009*	*9/21/2009*	*10/13/2009*	*11/9/2009*	*12/16/2009*	*1/12/2010*	*2/9/2010*	*4/16/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	**9.1**	1.0	0.55	0.44 U	4.4	0.44 U	0.44 U	0.44 U	1.0 U
1,2-Dichlorobenzene	µg/L	3.7	0.16 U	0.27	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U
1,2-Dichloroethane	µg/L	0.71	0.59	0.60	0.57	0.59	0.51	0.53	0.36	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.27	0.090 U	0.090 U	0.090 U	0.25	0.32 J
1,3-Dichlorobenzene	µg/L	0.68	0.51	0.56	0.34	0.52	0.44	0.55	0.29	0.49 J
1,4-Dichlorobenzene	µg/L	1.9	0.15 U	0.25	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-
Benzene	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	1.3	0.43 U	0.43 U	0.43 U	3.0 U
Total VOCs	µg/L	16.09	2.1	2.23	1.18	6.81	0.95	1.08	0.9	0.81
Metals										
Arsenic	µg/L	2.5 U	2.5 U	2.5 U	2.5 J	10.0 U	2.5 U	2.5 U	2.5 U	-
Manganese	µg/L	**76.8**	**79.6**	**88.8**	**78.9**	**89.9**	**376**	**83.0**	**92.9**	**59.4**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43S*	*MW-43S*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*
Sample ID:		*14737-071410-14*	*14737-100610-23*	*14737-010907-29*	*14737-010907-30*	*14737-021307-12*	*14737-031207-03*	*14737-041307-30*	*14737-041307-31*	*14737-050707-05*
Sample Date:		*7/14/2010*	*10/6/2010*	*1/9/2007*	*1/9/2007*	*2/13/2007*	*3/12/2007*	*4/13/2007*	*4/13/2007*	*5/7/2007*
					Duplicate				*Duplicate*	
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.8	1.7	2.1	1.8	1.6	1.7	2.4
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	1.5	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.41 J	0.47 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.2	1.1	1.7	5.2	1.2	1.2	1.3
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	10 U	4.1	3.7	1.5 U	1.5 U	1.5 U	1.5 U	3.8
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0 U	1.0 U	**2.2**	**1.9**	**12**	**3.3**	**11**	**12**	**6.1**
Bromodichloromethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.5	1.0	0.5	0.6	0.3
Chloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.4	0.4	0.8	0.6	0.8	0.7	0.7
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	**2.0**	**1.9**	**4.1**	**3.9**	**3.6**	**3.4**	**4.1**
Toluene	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	1.0 U	**2.4**	**2.3**	**4.2**	**4.0**	**3.7**	**4.0**	**4.2**
Vinyl chloride	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.41	0.47	14.1	13	25.4	21.7	22.4	24.1	22.9
Metals										
Arsenic	µg/L	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U	2.4 U	2.8 U	2.8 U	2.8 U
Manganese	µg/L	38.0	37.5	**92.6**	**96.8**	**106**	**90.9**	**93.8**	**89.3**	**107**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*
Sample ID:		*14737-061107-09*	*14737-071007-15*	*14737-080807-13*	*14737-091207-15*	*14737-101707-50*	*14737-111907-19*	*14737-121207-16*	*14737-011608-29*	*14737-021208-20*
Sample Date:		*6/11/2007*	*7/10/2007*	*8/8/2007*	*9/12/2007*	*10/17/2007*	*11/19/2007*	*12/12/2007*	*1/16/2008*	*2/12/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	2.3	1.3	1.2	2.1	2.0	1.5	1.3	2.0	1.6
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.0	0.7	0.7	1.2	1.3	1.1	1.1	1.2	1.3
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	2.8	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**3.6**	**2.6**	**4.3**	**5.4**	**7.3**	**6.1**	**5.6**	**8.3**	**14**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2	0.2 U	0.2 U	0.2 U	0.3	0.3	0.2	0.3	0.4
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.5	0.4	0.3	0.4	0.3 U	0.3 U	0.3	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**3.4**	**3.0**	**2.3**	**2.0**	**2.0**	**2.0**	**1.8**	**1.1**	0.8
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**3.6**	**3.4**	**2.7**	**2.1**	**1.8**	**1.5**	**1.2**	0.7	0.7
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	14.6	11.4	11.5	16	14.7	12.5	11.5	13.6	18.8
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.6	1.2 U	1.38 J	1.69 J
Manganese	µg/L	**98.9**	**116**	**122**	**108**	**102**	**111**	**103**	**96.6**	**92.5**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*
Sample ID:		*14737-031008-12*	*14737-040808-12*	*14737-050608-16*	*14737-061008-10*	*14737-070808-25*	*14737-080508-12*	*14737-090808-06*	*14737-100708-15*	*14737-110408-19*
Sample Date:		*3/10/2008*	*4/8/2008*	*5/6/2008*	*6/10/2008*	*7/8/2008*	*8/5/2008*	*9/8/2008*	*10/7/2008*	*11/4/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.3	0.5 U	1.7	2.7	1.5	1.8	1.1	1.0	2.0
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.8
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8
1,4-Dichlorobenzene	µg/L	1.5	2.6	1.1	2.8	1.2	1.7	1.5	1.0	9.4
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**16**	**31**	**7.3**	**16**	**7.0**	**10**	**15**	**5.7**	**2.4**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.6	1.2	0.3	0.8	0.3	0.5	0.5	0.2 U	3.9
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.8	0.7	0.4 U	0.6	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.7	0.8	0.6	0.6	0.5	0.5	0.5	0.4	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	20.9	36.3	11	23.5	10.5	14.5	18.6	8.1	23.3
Metals										
Arsenic	µg/L	1.94 J	2.96	1.12 J	1.67 J	1.34 J	2.29 J	1.92 J	1.30 J	0.836
Manganese	µg/L	**89.6**	**94.8**	**87.7**	**101**	**88.8**	**95.4**	**91.0**	**109**	**133**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*
Sample ID:		*14737-120908-16*	*14737-011409-28*	*14737-020309-13*	*14737-030909-11*	*14737-030909-12*	*14737-040809-25*	*14737-050709-15*	*14737-060309-15*	*14737-071709-38*
Sample Date:		*12/9/2008*	*1/14/2009*	*2/3/2009*	*3/9/2009*	*3/9/2009*	*4/8/2009*	*5/7/2009*	*6/3/2009*	*7/17/2009*
						Duplicate				
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.2	1.0	0.8	0.59	**10**	0.70
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	11	0.21
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.51	1.3	0.45
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.5	1.6	1.5	3.2	5.2	14	2.9
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	4.4 U	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 UJ	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U
Benzene	µg/L	0.4	0.2 U	**1.6**	**3.2**	**3.1**	0.9	0.13 U	0.25	0.20
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.3	0.3	0.2 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0	0.9	0.4 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8	0.4 U	0.20 U	0.20 U	0.23
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.50	0.18 U	0.61
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.7	0.8	0.4 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	0.4	ND	2.1	8	8.4	4.9	6.8	36.55	5.3
Metals										
Arsenic	µg/L	1.28 U	1.71 U	1.80 J	1.38 U	1.88 U	2.77 U	**3.5**	2.7	2.5 U
Manganese	µg/L	**128**	**128**	**123**	**140**	**146**	**249**	**207**	**170**	**161**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*	*MW-43I*
Sample ID:		*14737-080709-19*	*14737-092109-13*	*14737-101309-18*	*14737-110909-05*	*14737-121609-05*	*14737-011210-18*	*14737-020910-07*	*14737-041610-11*	*14737-071410-16*
Sample Date:		*8/7/2009*	*9/21/2009*	*10/13/2009*	*11/9/2009*	*12/16/2009*	*1/12/2010*	*2/9/2010*	*4/16/2010*	*7/14/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.55	0.77	1.1	0.82	0.85	0.54	0.60	0.56 J	0.63 J
1,2-Dichlorobenzene	µg/L	0.16 U	0.21	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.31	0.24	0.22 U	0.26	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	2.0	1.7	1.8	1.5	1.6	0.92	1.1	0.79 J	0.82 J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	-	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-	-
Benzene	µg/L	0.28	**4.4**	**2.7**	**2.5**	**3.2**	0.83	**1.5**	1.0 U	0.50 J
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.16 U	0.41	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.74	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.28	0.20 U	0.20 U	0.32	1.0 U	1.0 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.47	0.39	0.47	0.62	0.40	0.64	0.47	0.74 J	0.70 J
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Xylenes (total)	µg/L	0.43 U	4.5	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U
Total VOCs	µg/L	3.61	13.36	6.07	5.98	6.05	2.93	3.99	2.09	2.65
Metals										
Arsenic	µg/L	2.5 U	2.5 U	3.0	10.0 U	2.5 U	2.5 U	2.5 U	-	2.5 U
Manganese	µg/L	**132**	**74.9**	**72.0**	**214**	**94.6**	**56.6**	**63.4**	47.9	45.5

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43I*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*
Sample ID:		*14737-100610-22*	*14737-010907-31*	*14737-021307-13*	*14737-031207-02*	*14737-041307-32*	*14737-050707-04*	*14737-061107-08*	*14737-071007-14*	*14737-080807-12*
Sample Date:		*10/6/2010*	*1/9/2007*	*2/13/2007*	*3/12/2007*	*4/13/2007*	*5/7/2007*	*6/11/2007*	*7/10/2007*	*8/8/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.97 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.3	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	4.7	1.5 U	6.4
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**3.4**	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.4	0.5	0.4
Bromodichloromethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	1.0 U	0.2 U	0.4	0.3	0.4	0.4	0.4	0.5	0.5
Chloromethane (Methyl chloride)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.32 J	0.3	0.5	0.3 U	0.4	0.5	0.5	0.5	0.4
cis-1,3-Dichloropropene	µg/L	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	1.0	**1.6**	**1.8**	**1.6**	**1.8**	**2.0**	**2.3**	**1.9**
Toluene	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.98 J	**1.5**	**2.2**	**1.7**	**1.5**	**1.5**	**1.2**	**1.4**	**1.2**
Vinyl chloride	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	6.97	2.8	4.7	3.8	3.9	4.8	9.2	5.2	10.8
Metals										
Arsenic	µg/L	2.5 U	2.4 U	2.4 U	2.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Manganese	µg/L	41.6	**265**	**248**	**241**	**237**	**199**	**184**	**182**	**170**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*
Sample ID:		*14737-091207-14*	*14737-101707-51*	*14737-111907-20*	*14737-121207-17*	*14737-011608-30*	*14737-021208-18*	*14737-031008-11*	*14737-040808-11*	*14737-050608-14*
Sample Date:		*9/12/2007*	*10/17/2007*	*11/19/2007*	*12/12/2007*	*1/16/2008*	*2/12/2008*	*3/10/2008*	*4/8/2008*	*5/6/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.7	0.5 U	0.5 U	0.6	0.5 U	0.8	0.5 U	0.5 U	3.0
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	5.0	1.5 U	5.9	5.5	1.5 U	8.6	1.5 U	1.5 U	5.2
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.6	0.5	0.5	0.5	0.4	0.5	0.5	0.3	0.4
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.3	0.5
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.5	0.4	0.4	0.5	0.4	0.5	0.5	0.3 U	0.4
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**2.3**	**2.3**	**2.0**	**2.0**	**1.6**	**1.5**	**1.8**	**1.8**	**2.0**
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**1.6**	**1.5**	**1.4**	**1.4**	**1.1**	**1.2**	**1.3**	0.9	**1.5**
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	12.2	5.1	10.6	12.2	3.9	13.5	4.6	3.3	13
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.1 J	0.81 U	1.1 J	0.617 U	1.32 J	2.72	1.9 J
Manganese	µg/L	**167**	**168**	**176**	**169**	**172**	**148**	**157**	**177**	**159**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*
Sample ID:		*14737-050608-15*	*14737-061008-08*	*14737-061008-09*	*14737-070808-26*	*14737-080508-13*	*14737-090808-05*	*14737-100708-14*	*14737-110408-18*	*14737-120908-15*
Sample Date:		*5/6/2008*	*6/10/2008*	*6/10/2008*	*7/8/2008*	*8/5/2008*	*9/8/2008*	*10/7/2008*	*11/4/2008*	*12/9/2008*
		Duplicate		*Duplicate*						
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	4.5	4.7	2.8	1.1	1.3	0.5 U	0.9	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	17	17	8.6	4.5	2.4	0.5 U	5.8	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	2.0	1.9	0.9	0.4	0.4 U	0.4 U	1.0	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	28	28	12	4.0	1.0	0.4 U	13	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	26	26	3.2	1.5	0.3	0.2 U	5.9	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.5	0.6	0.5	0.4	0.3	0.4	0.5	0.3	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**2.0**	**2.0**	**2.0**	**1.6**	**1.4**	**1.5**	**1.7**	**1.3**	0.7
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**1.6**	**1.3**	**1.4**	**1.2**	**1.2**	**1.2**	**1.2**	1.0	0.8
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	5	82.4	82.4	31.5	15.6	9	4.4	30	1.5
Metals										
Arsenic	µg/L	1.92 J	1.75 J	1.8 J	1.29 J	1.47 J	1.86 J	1.04 J	0.840	0.680 U
Manganese	µg/L	**159**	**182**	**182**	**146**	**161**	**157**	**161**	**161**	**192**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*
Sample ID:		*14737-011409-27*	*14737-020309-11*	*14737-020309-12*	*14737-030909-10*	*14737-040809-24*	*14737-050709-14*	*14737-060309-14*	*14737-071709-37*	*14737-080709-17*
Sample Date:		*1/14/2009*	*2/3/2009*	*2/3/2009*	*3/9/2009*	*4/8/2009*	*5/7/2009*	*6/3/2009*	*7/17/2009*	*8/7/2009*
				Duplicate						
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.55	2.0	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.16 U	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.27	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.22 U	0.22 U	0.22 U	0.22 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	4.4 UJ	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 UJ	1.9 UJ	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.5	0.5	0.4	0.3	0.53	0.47	0.35	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.4	0.4	0.3 U	0.3 U	0.43	0.38	0.29	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	**1.5**	**1.6**	**2.2**	0.8	**1.6**	**1.7**	**1.6**	0.52
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	**1.1**	1.0	0.9	0.7	1.0	0.73	1.0	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	ND	3.5	3.5	3.5	1.8	4.38	5.28	3.24	0.52
Metals										
Arsenic	µg/L	0.906 U	1.17 U	1.20 U	0.778 U	1.51 U	2.5 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	**211**	**175**	**174**	**180**	**169**	**180**	**179**	**184**	**186**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*	*MW-43D*
Sample ID:		*14737-080709-18*	*14737-092109-14*	*14737-101309-17*	*14737-110909-04*	*14737-121609-04*	*14737-011210-17*	*14737-020910-08*	*14737-041610-12*	*14737-071410-15*
Sample Date:		*8/7/2009*	*9/21/2009*	*10/13/2009*	*11/9/2009*	*12/16/2009*	*1/12/2010*	*2/9/2010*	*4/16/2010*	*7/14/2010*
		Duplicate								
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	5.0	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.16 U	0.46	0.16 U	0.38	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.27	0.28	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.15 U	0.15 U	0.15 U	0.45	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	-	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-	-
Benzene	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	1.1	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.32	0.29	0.38	0.37	0.46	0.40	1.0 U	0.35 J
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.28	0.23	0.20 U	0.22	0.33	0.30	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.48	**1.1**	**1.1**	**1.2**	**1.1**	**1.5**	**1.4**	0.98 J	1.0 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.18 U	0.88	0.94	0.82	0.73	1.0	1.0	0.89 J	0.85 J
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U
Total VOCs	µg/L	0.48	8.04	2.56	4.33	2.42	3.56	3.38	1.87	1.2
Metals										
Arsenic	µg/L	2.5 U	2.5 U	2.5 U	10.0 U	2.5 U	2.5 U	2.5 U	-	2.5 U
Manganese	µg/L	**196**	**215**	**204**	**65.3**	**208**	**185**	**189**	**192**	**204**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43D*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*
Sample ID:		*14737-100610-21*	*14737-010907-37*	*14737-021307-10*	*14737-031207-04*	*14737-041307-35*	*14737-050707-03*	*14737-061107-03*	*14737-071207-42*	*14737-080907-18*
Sample Date:		*10/6/2010*	*1/9/2007*	*2/13/2007*	*3/12/2007*	*4/13/2007*	*5/7/2007*	*6/11/2007*	*7/12/2007*	*8/9/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.9 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.1 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.3 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	**75**	**70**	**68**	**71**	**64**	**64**	**22**	**13**
1,2-Dichlorobenzene	µg/L	1.0 U	0.7	0.8	2.5	0.6	0.6	0.5 U	2.6 U	0.5 U
1,2-Dichloroethane	µg/L	0.28 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	9.4	11	12	9.8	11	10	6.8	7.5
1,4-Dichlorobenzene	µg/L	1.0 U	17	19	22	6.6	4.3	2.6	2.0 U	1.2
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	3.6 U	0.7 U
Acetone	µg/L	10 U	4.1	1.5 U	5.3	1.5 U	8.0	11	7.6 U	7.1
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	33 U	6.6 U
Acrylonitrile	µg/L	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	16 U	3.1 U
Benzene	µg/L	1.0 U	0.2 U	0.3	0.3	0.2 U	0.2 U	0.2 U	1.2 U	0.2 U
Bromodichloromethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.2 U	0.2 U
Bromoform	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.2 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.7 U	0.3 U
Chlorobenzene	µg/L	1.0 U	0.2 U	0.2 U	1.1	0.2 U	0.2 U	0.2 U	1.2 U	0.2 U
Chloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.6	2.2 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.40 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.2 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.36 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.6 U	0.1 U
Cyclohexane	µg/L	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	3.0 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.4 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.6 U	0.3 U
Ethylbenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.0 U	0.4 U
Hexane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**1.5**	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.1 U	0.4 U
Toluene	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.5 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.8 U	0.2 U
Trichloroethene	µg/L	0.98 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.8 U	0.4 U
Vinyl chloride	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.0 U	0.4 U
Total VOCs	µg/L	3.52	106.2	101.1	111.2	88	87.9	88.2	28.8	28.8
Metals										
Arsenic	µg/L	2.5 U	**4.2**	**3.3**	**4.6**	**3.1 J**	2.8 U	**4.7**	**3.6**	**4.9 J**
Manganese	µg/L	**162**	**524**	**475**	**448**	**362**	**401**	**315**	**307**	**293**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*
Sample ID:		*14737-091207-13*	*14737-101607-39*	*14737-101607-40*	*14737-111907-15*	*14737-111907-16*	*14737-121207-18*	*14737-011608-37*	*14737-021208-17*	*14737-031008-07*
Sample Date:		*9/12/2007*	*10/16/2007*	*10/16/2007*	*11/19/2007*	*11/19/2007*	*12/12/2007*	*1/16/2008*	*2/12/2008*	*3/10/2008*
				Duplicate		*Duplicate*				
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	**20**	**14**	**12**	8.9	**9.1**	5.9	5.2	4.1	5.8
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	11	9.4	9.9	8.3	8.7	8.8	4.8	5.9	5.3
1,4-Dichlorobenzene	µg/L	1.5	1.3	1.2	1.2	1.1	1.2	1.4	1.0	2.4
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	6.1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	6.4	8.6
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	39.1	24.7	23.1	18.4	18.9	15.9	11.4	17.4	22.1
Metals										
Arsenic	µg/L	**4.2**	2.8 U	**4.4**	**3.3**	**3.3**	**3.4**	2.75	**3.61**	**3.68**
Manganese	µg/L	**260**	**252**	**267**	**242**	**246**	**230**	**212**	**162**	**135**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*
Sample ID:		*14737-040808-10*	*14737-050508-09*	*14737-061108-20*	*14737-070808-20*	*14737-080608-18*	*14737-090808-13*	*14737-090808-14*	*14737-100708-23*	*14737-110408-14*
Sample Date:		*4/8/2008*	*5/5/2008*	*6/11/2008*	*7/8/2008*	*8/6/2008*	*9/8/2008*	*9/8/2008*	*10/7/2008*	*11/4/2008*
								Duplicate		
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.7 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U	0.9 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	3.8	**15**	**12**	5.4	5.7	3.6	3.9	7.4	6.1
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	8.5
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	4.9	6.3	5.0	3.8	4.2	3.2	3.2	3.9	4.3
1,4-Dichlorobenzene	µg/L	1.0	1.6	1.5	1.2	1.2	0.8	0.8	1.2	19
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1.5 U	1.5 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	3.0 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	13 U	13 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	6.2 U	6.2 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U	0.2
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.9 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U	0.7 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U	10
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.9 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.9 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.6 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.3 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1.2 U	1.2 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.6 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.7 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.6 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.7 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
Total VOCs	µg/L	9.7	22.9	18.5	10.4	11.1	7.6	7.9	12.5	48.1
Metals										
Arsenic	µg/L	**3.77**	**3.56**	2.66	**3.26**	**3.22**	**3.69**	**4.29**	2.86	2.50
Manganese	µg/L	**145**	**145**	**151**	**157**	**217**	**222**	**224**	**244**	**257**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*
Sample ID:		*14737-120908-18*	*14737-011409-22*	*14737-020309-06*	*14737-030909-09*	*14737-040809-20*	*14737-050609-06*	*14737-060209-13*	*14737-071509-20*
Sample Date:		*12/9/2008*	*1/14/2009*	*2/3/2009*	*3/9/2009*	*4/8/2009*	*5/6/2009*	*6/2/2009*	*7/15/2009*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	7.2	3.2	3.3	2.6	0.5 U	3.8	**16**	2.7
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.21	12	0.36
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	2.3	1.7	1.6	1.6	0.4 U	1.2	2.4	1.2
1,4-Dichlorobenzene	µg/L	1.2	0.6	0.8	0.7	0.4 U	0.75	11	0.48
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 UJ	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	4.4 U	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 UJ	1.9 UJ	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U	0.37
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	**1.9**	0.4 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	10.7	5.5	5.7	6.8	ND	5.96	41.4	5.11
Metals									
Arsenic	µg/L	2.95	2.24 U	1.83 J	1.56 U	2.76 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	**254**	**252**	**241**	**306**	**359**	**372**	**302**	**330**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*	*MW-44S*
Sample ID:		*14737-080709-16*	*14737-092109-15*	*14737-092109-16*	*14737-101309-16*	*14737-110909-03*	*14737-121609-03*	*14737-011210-16*	*14737-020910-01*	*14737-041610-10*
Sample Date:		*8/7/2009*	*9/21/2009*	*9/21/2009*	*10/13/2009*	*11/9/2009*	*12/16/2009*	*1/12/2010*	*2/9/2010*	*4/16/2010*
				Duplicate						
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	2.2	1.5	1.2	1.4	1.2	0.90	0.77	0.58	1.0 U
1,2-Dichlorobenzene	µg/L	0.43	0.53	0.53	0.55	0.69	0.57	0.38	0.37	0.24 J
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.2	1.1	1.2	1.2	1.5	1.4	1.0	0.85	0.54 J
1,4-Dichlorobenzene	µg/L	0.52	0.48	0.58	0.42	0.29	0.38	0.22	0.15 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-
Benzene	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U
Chlorobenzene	µg/L	0.33	0.16 U	0.16 U	0.16 U	0.16 U	0.28	0.27	0.16 U	1.0 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U
Total VOCs	µg/L	4.68	3.61	3.51	3.57	3.68	3.53	2.64	1.8	0.78
Metals										
Arsenic	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	10.0 U	2.5 U	2.5 U	2.5 U	-
Manganese	µg/L	**301**	**258**	**253**	**205**	**197**	**156**	**135**	**142**	**98.2**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44S*	*MW-44S*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*
Sample ID:		*14737-071410-07*	*14737-100510-18*	*14737-010907-36*	*14737-021307-07*	*14737-031207-05*	*14737-031207-06*	*14737-041307-34*	*14737-050707-02*	*14737-061107-02*
Sample Date:		*7/14/2010*	*10/5/2010*	*1/9/2007*	*2/13/2007*	*3/12/2007*	*3/12/2007*	*4/13/2007*	*5/7/2007*	*6/11/2007*
							Duplicate			
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	0.5 U	0.4	0.3 U	0.3 U	0.3 U	0.4	0.4
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	0.9 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	**160**	**180**	**160**	**170**	**170**	**110**	**95**
1,2-Dichlorobenzene	µg/L	1.0 U	0.17 J	1.5	2.1	2.2	2.2	1.9	3.4	3.0
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	0.5 U	0.4	0.3 U	0.3 U	0.3	0.4	0.4
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.45 J	0.28 J	15	18	21	21	16	32	32
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	**110**	**130**	48	51	43	30	2.1
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	1.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	10 U	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	-	13 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	-	-	6.2 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0 U	1.0 U	**2.2**	**2.0**	**1.7**	**1.7**	**2.2**	0.8	0.5
Bromodichloromethane	µg/L	1.0 U	1.0 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	0.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	1.0 U	0.8	0.6	0.6	0.6	0.3	0.4	0.2 U
Chloroethane	µg/L	1.0 U	1.0 U	1.2	1.1	1.1	1.0	0.7	1.2	1.0
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.6 U	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.3 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.2 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	1.0 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	1.0 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	1.0 U	1.0 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	1.0 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	1.0 U	1.0 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	3.0 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.45	0.45	290.7	334.9	234.6	247.5	234.4	178.6	134.4
Metals										
Arsenic	µg/L	2.5 U	2.5 U	2.4 U	2.4 U	**3.7**	**3.8**	2.8 U	2.8 U	**3.2**
Manganese	µg/L	46.7	28.4	**56.2**	**119**	**149**	**147**	**154**	**157**	**231**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*
Sample ID:		*14737-071207-39*	*14737-071207-40*	*14737-080907-19*	*14737-091207-12*	*14737-101607-38*	*14737-112007-17*
Sample Date:		*7/12/2007*	*7/12/2007*	*8/9/2007*	*9/12/2007*	*10/16/2007*	*11/20/2007*
			Duplicate				
Parameter	*Units*						
Volatiles							
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.4	0.4	0.3 U	0.3	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	**71**	**79**	**110**	**96**
1,2-Dichlorobenzene	µg/L	3.7	3.6	2.4	3.1	3.2	2.2
1,2-Dichloroethane	µg/L	0.3	0.4	0.3	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	37	37	25	28	31	22
1,4-Dichlorobenzene	µg/L	3.9	2.3	4.0	2.1	2.0	1.3
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	6.1	4.8	1.5 U	3.7	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.6	0.5	0.3	0.4	0.3	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	1.6	1.6	0.4 U	1.8	3.1	2.9
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	53.6	50.6	103	118.4	149.6	124.4
Metals							
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2 J
Manganese	µg/L	**274**	**275**	**253**	**184**	**318**	**341**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*
Sample ID:		*14737-121207-19*	*14737-011608-36*	*14737-021208-16*	*14737-031008-06*	*14737-040808-09*	*14737-050508-08*	*14737-061108-19*	*14737-070808-19*	*14737-080608-19*
Sample Date:		*12/12/2007*	*1/16/2008*	*2/12/2008*	*3/10/2008*	*4/8/2008*	*5/5/2008*	*6/11/2008*	*7/8/2008*	*8/6/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	**83**	**110**	**91**	**110**	**110**	**150**	**110**	1.0	1.0
1,2-Dichlorobenzene	µg/L	2.1	1.7	1.3	1.5	1.4	1.5	1.3	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3	0.3	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.7	0.6	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	21	16	12	14	13	14	12	2.8	2.1
1,4-Dichlorobenzene	µg/L	2.1	1.8	1.5	1.9	1.0	1.8	1.8	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	8.0	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.3	0.4	0.2 U	0.3	0.3	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
Chloroethane	µg/L	3.8	1.8	0.8	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	112.8	131.6	115.2	128.5	126	167.6	125.4	3.8	3.4
Metals										
Arsenic	µg/L	1.9 J	2.16 J	**3.46**	1.32 J	1.63 J	1.72 J	1.28 J	1.37 J	0.966 J
Manganese	µg/L	**431**	**420**	**409**	**355**	**406**	**384**	**343**	**313**	**361**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*
Sample ID:		*14737-090808-12*	*14737-100708-22*	*14737-110408-15*	*14737-110408-16*	*14737-120908-19*	*14737-011409-21*	*14737-020309-05*	*14737-030909-08*	*14737-040809-19*
Sample Date:		*9/8/2008*	*10/7/2008*	*11/4/2008*	*11/4/2008*	*12/9/2008*	*1/14/2009*	*2/3/2009*	*3/9/2009*	*4/8/2009*
					Duplicate					
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.6	0.5 U	1.2	1.6	0.6	0.8	1.6	2.2	1.4
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	7.6 J	15 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	2.1	2.3	2.9	4.1	1.6	1.3	1.8	2.1	1.6
1,4-Dichlorobenzene	µg/L	0.9	0.4 U	16 J	32 J	0.4 U	0.4 U	0.5	0.5	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	7.3 J	19 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**2.4**	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	3.6	2.3	35	72.4	2.2	2.1	3.9	7.2	3
Metals										
Arsenic	µg/L	1.22 J	1.20 J	0.604	0.376	1.85 U	1.77 U	1.48 J	1.49 U	1.87 U
Manganese	µg/L	**363**	**262**	**296**	**305**	**265**	**325**	**345**	**372**	**348**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*
Sample ID:		*14737-050609-05*	*14737-060209-12*	*14737-071509-19*	*14737-080709-15*	*14737-092109-17*	*14737-101309-15*	*14737-110909-02*	*14737-121609-02*	*14737-011210-15*
Sample Date:		*5/6/2009*	*6/2/2009*	*7/15/2009*	*8/7/2009*	*9/21/2009*	*10/13/2009*	*11/9/2009*	*12/16/2009*	*1/12/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	**12**	2.2	8.5	5.6	4.7	1.1	3.6	0.64	0.48
1,2-Dichlorobenzene	µg/L	21	0.16 U	4.3	2.2	0.46	0.16 U	0.18	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	3.2	1.2	1.1	0.95	0.58	0.86	0.90	0.61	0.39
1,4-Dichlorobenzene	µg/L	25	0.51	2.7	0.28	0.15 U	0.15 U	0.16	0.15 U	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	4.4 UJ	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 UJ	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acrylonitrile	µg/L	-	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	3.0	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.22	0.20 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	1.3	0.43 U	0.43 U
Total VOCs	µg/L	64.2	3.91	16.6	9.03	5.74	1.96	6.14	1.47	0.87
Metals										
Arsenic	µg/L	2.5 U	2.5	2.5 U	2.5 U	2.5 U	**3.5**	10.0 U	2.5 U	2.5 U
Manganese	µg/L	**300**	**269**	**261**	**246**	**414**	**422**	**408**	**417**	**323**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44I*	*MW-44I*	*MW-44I*	*MW-44I*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*
Sample ID:		*14737-020910-02*	*14737-041610-09*	*14737-071410-08*	*14737-100610-20*	*14737-010907-35*	*14737-021307-08*	*14737-021307-09*	*14737-031207-07*	*14737-041307-33*
Sample Date:		*2/9/2010*	*4/16/2010*	*7/14/2010*	*10/6/2010*	*1/9/2007*	*2/13/2007*	*2/13/2007*	*3/12/2007*	*4/13/2007*
								Duplicate		
Parameter	***Units***									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.10 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	1.0 U	0.69 J	1.0 U	**11**	**12**	8.3	**9.5**	7.0
1,2-Dichlorobenzene	µg/L	0.16 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.24 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.29	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.32	1.0 U	1.0 U	1.0 U	0.6	0.6	0.4	0.5	0.4
1,4-Dichlorobenzene	µg/L	0.15 U	1.0 U	1.0 U	1.0 U	0.6	1.4	0.9	0.6	0.5
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	2.5 U	10 U	10 U	10 U	3.8	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	-	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	0.30 U	-	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.13 U	1.0 U	1.0 U	1.0 U	**5.1**	**6.0**	**6.1**	**8.8**	**8.4**
Bromodichloromethane	µg/L	0.093 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.10 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.16 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.45 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.11 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.13 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.25 U	0.57 J	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.33 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.090 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.18 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.13 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.43 U	1.4 J	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.61	1.97	0.69	ND	21.1	20	15.7	19.4	16.3
Metals										
Arsenic	µg/L	2.5 U	-	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U	2.4 U	2.8 U
Manganese	µg/L	**238**	**332**	**174**	26.3	**221**	**247**	**274**	**278**	**334**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*
Sample ID:		*14737-050707-01*	*14737-061107-01*	*14737-071207-41*	*14737-080907-20*	*14737-091207-11*	*14737-101607-37*	*14737-111907-14*	*14737-121207-20*	*14737-011608-35*
Sample Date:		*5/7/2007*	*6/11/2007*	*7/12/2007*	*8/9/2007*	*9/12/2007*	*10/16/2007*	*11/19/2007*	*12/12/2007*	*1/16/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	**16**	**23**	0.5 U	5.9	8.3	8.3	2.6	6.4	5.3
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.8	0.8	0.5	0.4	0.6	0.6	0.4 U	1.0	0.7
1,4-Dichlorobenzene	µg/L	1.1	1.3	0.9	0.8	1.0	1.3	0.7	2.9	2.4
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	5.2	4.3	1.5 U	7.3	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**5.2**	**7.0**	**9.4**	**9.8**	**12**	**11**	**4.2**	**11**	**9.5**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.8	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	23.1	32.1	10.8	22.1	26.2	21.2	16.6	22	17.9
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	1.9 J	1.3 J	0.985 J
Manganese	µg/L	**264**	**266**	**311**	**311**	**299**	**300**	**282**	**305**	**261**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*
Sample ID:		*14737-021208-14*	*14737-021208-15*	*14737-031008-05*	*14737-040808-08*	*14737-050508-07*	*14737-061108-18*	*14737-070808-18*	*14737-080608-20*	*14737-090808-11*
Sample Date:		*2/12/2008*	*2/12/2008*	*3/10/2008*	*4/8/2008*	*5/5/2008*	*6/11/2008*	*7/8/2008*	*8/6/2008*	*9/8/2008*
			Duplicate							
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	6.4	5.8	3.8	3.3	6.1	7.0	6.7	3.1	3.9
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.2	0.5 U	2.1
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.7	0.7	0.7	0.4	0.6	0.6	1.3	0.4 U	0.6
1,4-Dichlorobenzene	µg/L	3.4	2.6	2.6	1.0	1.7	2.4	13	0.7	1.6
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	6.6	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**11**	**11**	**9.3**	**6.2**	**7.0**	**6.7**	**7.6**	**7.0**	**5.2**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.2	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	28.1	20.1	16.4	10.9	15.4	16.7	40	10.8	13.4
Metals										
Arsenic	µg/L	1.23 J	1.4 J	0.93 J	1.18 J	1.00 J	0.996 J	0.971 J	1.34 J	1.38 J
Manganese	µg/L	**232**	**230**	**223**	**224**	**264**	**319**	**355**	**416**	**503**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*
Sample ID:		*14737-100708-21*	*14737-110408-17*	*14737-120908-20*	*14737-011409-20*	*14737-020309-04*	*14737-030909-07*	*14737-040809-18*	*14737-050609-04*	*14737-060209-11*
Sample Date:		*10/7/2008*	*11/4/2008*	*12/9/2008*	*1/14/2009*	*2/3/2009*	*3/9/2009*	*4/8/2009*	*5/6/2009*	*6/2/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	5.8	5.9	4.1	2.5	3.0	1.6	4.4	3.3	5.3
1,2-Dichlorobenzene	µg/L	1.7	8.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.29
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.5	1.6	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.34	0.32
1,4-Dichlorobenzene	µg/L	1.0	16	1.0	0.6	0.5	0.7	0.8	0.93	0.92
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 UJ	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	4.4 U	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 UJ	1.9 UJ
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U
Benzene	µg/L	**5.7**	**5.8**	**4.2**	**4.1**	**4.3**	**2.9**	**3.4**	**4.4**	**5.3**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	7.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**1.1**	0.4 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U
Total VOCs	µg/L	14.7	44.3	9.3	7.2	7.8	6.3	8.6	8.97	12.13
Metals										
Arsenic	µg/L	1.77 J	0.776	1.52 U	1.12 U	1.08 U	1.46 U	1.25 U	2.5 U	2.5 U
Manganese	µg/L	**500**	**510**	**467**	**453**	**374**	**298**	**270**	**234**	**221**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*	*MW-44D*
Sample ID:		*14737-071509-18*	*14737-080709-14*	*14737-092109-18*	*14737-101309-14*	*14737-110909-01*	*14737-121609-01*	*14737-011210-14*	*14737-020910-03*	*14737-041610-08*
Sample Date:		*7/15/2009*	*8/7/2009*	*9/21/2009*	*10/13/2009*	*11/9/2009*	*12/16/2009*	*1/12/2010*	*2/9/2010*	*4/16/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	2.2	2.8	2.5	2.5	1.5	0.84	0.61	0.49	1.0 U
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.22 U	0.24	0.28	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.67 J
1,4-Dichlorobenzene	µg/L	0.55	0.69	0.69	0.44	0.51	0.53	0.40	0.34	1.0
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-
Benzene	µg/L	**3.2**	**2.3**	**3.5**	**2.0**	**2.0**	**2.5**	**1.8**	**1.4**	1.0 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.25	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.48	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U
Xylenes (total)	µg/L	0.43 U	0.43 U	2.5	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U
Total VOCs	µg/L	5.95	6.03	9.95	5.19	4.01	3.87	2.81	2.23	1.67
Metals										
Arsenic	µg/L	2.6	2.5 U	2.5 U	2.5 U	10.0 U	2.5 U	2.5 U	2.5 U	-
Manganese	µg/L	**250**	**252**	**274**	**300**	**259**	**190**	**152**	**138**	**130**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-44D*	*MW-44D*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*
Sample ID:		*14737-071410-09*	*14737-100510-19*	*14737-010907-27*	*14737-021507-17*	*14737-031407-20*	*14737-041707-48*	*14737-050907-19*	*14737-061207-23*	*14737-071307-51*
Sample Date:		*7/14/2010*	*10/5/2010*	*1/9/2007*	*2/15/2007*	*3/14/2007*	*4/17/2007*	*5/9/2007*	*6/12/2007*	*7/13/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	0.4	0.6	0.4	0.5	0.6	0.5	0.5
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	0.44 J	0.5 U	3.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.36 J	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.52 J	0.41 J	0.8	1.2	0.7	1.8	1.5	1.0	0.7
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	10 U	3.1	1.5 U	1.5 U	1.5 U	1.5 U	7.5	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	1.0 U	0.4	0.5	0.4	0.6	0.5	0.3	0.3
Chloroethane	µg/L	1.0 U	1.0 U	2.1	2.1	2.5	2.2	3.4	2.6	2.7
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.88	0.85	6.8	8.3	4	5.1	6	11.9	4.2
Metals										
Arsenic	µg/L	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U	2.8 U	2.8 U	2.8 U	2.8 U
Manganese	µg/L	**158**	**194**	**165**	**170**	**221**	**139**	**172**	**170**	**135**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*
Sample ID:		*14737-081007-21*	*14737-091007-06*	*14737-100807-03*	*14737-111607-01*	*14737-121207-23*	*14737-011408-01*	*14737-021108-07*	*14737-031108-16*	*14737-040708-04*
Sample Date:		*8/10/2007*	*9/10/2007*	*10/8/2007*	*11/16/2007*	*12/12/2007*	*1/14/2008*	*2/11/2008*	*3/11/2008*	*4/7/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.4	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.7	0.4	0.6	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	6.2	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	2.8	2.0	1.9	1.9	1.9	1.2	1.7	1.5	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	3.8	3.4	2.8	1.9	1.9	1.2	7.9	1.5	ND
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	0.73 U	0.69 U	0.467 J	0.524 U	0.363 U	0.648 U
Manganese	µg/L	**101**	**116**	**98.5**	**111**	**102**	**106**	**89.7**	**56.8**	39.1

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*
Sample ID:		*14737-040708-05*	*14737-050508-03*	*14737-061008-14*	*14737-070708-10*	*14737-080608-23*	*14737-090908-21*	*14737-100608-13*	*14737-110508-21*	*14737-120908-23*
Sample Date:		*4/7/2008*	*5/5/2008*	*6/10/2008*	*7/7/2008*	*8/6/2008*	*9/9/2008*	*10/6/2008*	*11/5/2008*	*12/9/2008*
		Duplicate								
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4	0.4 U	0.4	0.4 U	0.4 U	0.4	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	1.4	1.3	1.0	2.6	2.3	1.7	1.4	1.6
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	1.4	1.7	1	3.3	2.3	1.7	1.8	1.6
Metals										
Arsenic	µg/L	0.874 U	0.594 J	0.431 U	0.404 U	0.418 J	0.390 J	0.316 U	0.386	0.922 J
Manganese	µg/L	35.9	56.8	41.7	42.8	53.0	35.8	34.4	39.1	41.2

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*
Sample ID:		*14737-011509-45*	*14737-020409-23*	*14737-031009-23*	*14737-040709-07*	*14737-050709-19*	*14737-060309-19*	*14737-071409-10*	*14737-080609-04*
Sample Date:		*1/15/2009*	*2/4/2009*	*3/10/2009*	*4/7/2009*	*5/7/2009*	*6/3/2009*	*7/14/2009*	*8/6/2009*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.6	0.5 U	0.5 U	0.44 U	0.44 U	0.44 U	5.1
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.16 U	0.16 U	2.3
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.22 U	0.22 U	0.22 U	0.61
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.15 U	0.15 U	0.15 U	0.17
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	4.4 UJ	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	1.9 UJ	1.9 UJ	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	1.2	0.9	1.0	0.45 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	ND	1.8	0.9	1	ND	ND	ND	8.18
Metals									
Arsenic	µg/L	1.16 U	0.760 J	1.60 U	1.52 U	2.5 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	48.1	61.1	53.5	46.0	31.4	29.6	36.7	50.6

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*	*MW-45S*
Sample ID:		*14737-092209-22*	*14737-101209-11*	*14737-110909-10*	*14737-121709-15*	*14737-011110-10*	*14737-011110-11*	*14737-021310-21*	*14737-041410-03*	*14737-100410-08*
Sample Date:		*9/22/2009*	*10/12/2009*	*11/9/2009*	*12/17/2009*	*1/11/2010*	*1/11/2010*	*2/13/2010*	*4/14/2010*	*10/4/2010*
							Duplicate			
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.20	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20	1.0 U	0.49 J
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	4.3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.23	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.28	0.22 U	0.22 U	0.22 U	0.28	0.22 U	0.22 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	-	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-	-
Benzene	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.73	0.45 U	0.68	0.62 J	1.0 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.33 J
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Xylenes (total)	µg/L	0.43 U	0.86	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U
Total VOCs	µg/L	5.01	0.86	ND	ND	1.01	ND	0.88	0.62	0.82
Metals										
Arsenic	µg/L	2.5 U	2.5 U	10.0 U	2.5 U	2.5 U	2.5 U	2.5 U	-	2.5 U
Manganese	µg/L	32.0	39.5	35.7	30.4	32.8	27.7	33.2	30.7	15.2

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*
Sample ID:		*14737-010907-26*	*14737-021507-18*	*14737-031407-19*	*14737-041707-47*	*14737-050907-18*	*14737-061207-20*	*14737-061207-21*	*14737-071307-50*	*14737-081007-22*
Sample Date:		*1/9/2007*	*2/15/2007*	*3/14/2007*	*4/17/2007*	*5/9/2007*	*6/12/2007*	*6/12/2007*	*7/13/2007*	*8/10/2007*
								Duplicate		
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.1	1.8	1.5	1.3	1.5	1.7	1.6	1.4	1.3
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.5	0.4	0.4 U	0.5	0.5	0.4	0.4
1,4-Dichlorobenzene	µg/L	1.3	1.9	4.9	2.0	2.0	2.7	2.7	2.3	2.2
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	4.7	1.5 U	6.0	1.5 U	1.5 U	8.4	11	8.9	8.6
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.6	1.0	1.4	1.0	1.0	1.2	1.1	1.2	1.1
Chloroethane	µg/L	4.5	**5.8**	**6.5**	**5.7**	**6.9**	**7.6**	**7.5**	**7.6**	**7.6**
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4	0.4 U	0.5	0.5	0.4 U	0.5
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	12.2	10.8	21.8	10.8	11.4	22.6	24.9	21.8	21.7
Metals										
Arsenic	µg/L	2.4 U	2.4 U	2.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Manganese	µg/L	**91.1**	**78.7**	**92.8**	**72.8**	**60.9**	**50.1**	50.0	39.2	45.7

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*
Sample ID:		*14737-091007-05*	*14737-100807-02*	*14737-111607-02*	*14737-121207-22*	*14737-011408-03*	*14737-021108-06*	*14737-031108-15*	*14737-040708-06*	*14737-050508-02*
Sample Date:		*9/10/2007*	*10/8/2007*	*11/16/2007*	*12/12/2007*	*1/14/2008*	*2/11/2008*	*3/11/2008*	*4/7/2008*	*5/5/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.1	1.0	0.3 U	0.8	0.3 U	0.5	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4	0.6	0.5	0.5	0.4	0.4 U	0.4 U	0.4 U	0.6
1,4-Dichlorobenzene	µg/L	2.0	3.0	3.1	2.7	2.4	2.4	2.1	2.1	3.3
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	9.1	5.2	8.4	6.4	1.5 U	8.2	6.9	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.8	0.9	0.9	0.9	1.0	0.9	0.8	0.9	1.7
Chloroethane	µg/L	**5.1**	**5.5**	**6.7**	**5.5**	3.2	3.8	2.0	2.2	**5.7**
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	18.5	16.2	19.6	16.8	7	15.8	11.8	5.2	11.6
Metals										
Arsenic	µg/L	2.8 U	2.8 U	1.3 J	1.9 J	2.55	1.23 J	0.872 J	1.15 U	1.08 J
Manganese	µg/L	23.5	39.8	42.7	48.1	46.8	48.9	**57.6**	44	32.2

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*
Sample ID:		*14737-061008-13*	*14737-070708-09*	*14737-080608-22*	*14737-090908-22*	*14737-100608-12*	*14737-110508-22*	*14737-120908-22*	*14737-011509-44*
Sample Date:		*6/10/2008*	*7/7/2008*	*8/6/2008*	*9/9/2008*	*10/6/2008*	*11/5/2008*	*12/9/2008*	*1/15/2009*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.4	0.3	0.4	0.3 U	0.5	0.3 U	0.3	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	1.6	0.5 U	0.5 U	0.5 U	1.0	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	3.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.5	0.4	0.8	0.4	0.4	0.4	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	2.4	2.3	4.9	1.3	1.0	1.1	0.8	0.4
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	2.9	5.1	6.3	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.4	0.2 U	0.2	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.5	1.5	2.8	1.7	1.3	1.0	0.6	0.4
Chloroethane	µg/L	3.2	2.5	**8.7**	**7.1**	**6.2**	4.8	4.3	4.7
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.5	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	8	9.9	28.3	16.8	10.1	7.3	7	5.5
Metals									
Arsenic	µg/L	0.989 J	1.74 J	1.40 J	1.11 J	1.31 J	1.32	1.70 J	2.18 U
Manganese	µg/L	45.8	47.1	42.2	44.1	37.6	46.4	48.2	**53.4**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*
Sample ID:		*14737-020409-22*	*14737-031009-22*	*14737-040709-05*	*14737-040709-06*	*14737-050709-18*	*14737-060309-18*	*14737-071409-08*	*14737-071409-09*
Sample Date:		*2/4/2009*	*3/10/2009*	*4/7/2009*	*4/7/2009*	*5/7/2009*	*6/3/2009*	*7/14/2009*	*7/14/2009*
					Duplicate				*Duplicate*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.4	0.4	0.3 U	0.10 U	0.10 U	0.34	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	13	0.47	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	20	0.16 U	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	2.2	0.22 U	0.26	0.26
1,4-Dichlorobenzene	µg/L	0.8	0.8	0.8	0.8	25	0.76	0.67	0.66
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	4.4 U	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 UJ	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	2.1	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	3.6	3.5	2.0	2.1	0.45 U	0.84	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.8	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	2.1	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	4.4	7.6	3.2	2.9	62.3	2.07	1.27	0.92
Metals									
Arsenic	µg/L	1.40 J	1.90 U	2.29 U	2.26 U	2.9	2.5 U	2.5 U	2.5 U
Manganese	µg/L	45.0	44.5	36.2	35.4	48.2	32.0	32.4	34.0

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*	*MW-45I*
Sample ID:		*14737-080609-02*	*14737-080609-03*	*14737-092209-23*	*14737-101209-12*	*14737-110909-11*	*14737-110909-12*	*14737-121709-16*	*14737-011110-12*	*14737-021310-23*
Sample Date:		*8/6/2009*	*8/6/2009*	*9/22/2009*	*10/12/2009*	*11/9/2009*	*11/9/2009*	*12/17/2009*	*1/11/2010*	*2/13/2010*
			Duplicate				*Duplicate*			
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.37	0.10 U	0.48	0.54	0.40	0.31	0.10 U	0.10 U	0.38
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.26	0.23	0.28	0.32	0.35	0.27	0.25	0.22 U	0.22 U
1,4-Dichlorobenzene	µg/L	0.68	0.72	0.87	0.82	0.64	0.60	0.52	0.41	0.35
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.13 U	0.13 U	0.60	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.20	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.87	0.45 U	0.91	0.45 U	0.45 U	0.45 U	0.45 U	0.47	0.79
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.46	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.43 U	0.43 U	3.0	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	2.18	0.95	6.8	1.68	1.39	1.18	0.77	0.88	1.52
Metals										
Arsenic	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	10.0 U	10.0 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	35.6	34.9	40.6	37.9	35.7	34.3	31.3	32.0	31.5

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45I*	*MW-45I*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*
Sample ID:		*14737-041410-02*	*14737-100510-13*	*14737-010907-25*	*14737-021507-19*	*14737-031407-18*	*14737-041707-46*	*14737-050907-17*	*14737-061207-22*	*14737-071307-49*
Sample Date:		*4/14/2010*	*10/5/2010*	*1/9/2007*	*2/15/2007*	*3/14/2007*	*4/17/2007*	*5/9/2007*	*6/12/2007*	*7/13/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	0.79 J	0.6	0.6	0.4	0.5	0.4	0.5	0.4
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0	1.0	0.9	0.7	0.8	1.0	0.6
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	10 U	7.2	1.5 U	5.5	5.2	1.5 U	7.3	8.3
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	1.0 U	0.3	0.2 U	0.3	0.3	0.2 U	0.3	0.2 U
Chloroethane	µg/L	1.1	1.0 U	1.4	1.1	1.4	1.3	1.2	1.5	1.4
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.0 U	0.23 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.60 J	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	1.5 J	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	3.2	1.02	10.5	2.7	8.5	8	2.4	10.6	10.7
Metals										
Arsenic	µg/L	-	2.5 U	2.5 J	2.6 J	3.0 J	2.8 U	3.5	2.8 U	2.8 U
Manganese	µg/L	57.2	24.5	8.6 J	9.3 J	11.7 J	12.6 J	15.0 J	16.0	17.0

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*
Sample ID:		*14737-081007-23*	*14737-091007-04*	*14737-100807-01*	*14737-111607-03*	*14737-111607-04*	*14737-121207-21*	*14737-011408-02*	*14737-021108-04*	*14737-021108-05*
Sample Date:		*8/10/2007*	*9/10/2007*	*10/8/2007*	*11/16/2007*	*11/16/2007*	*12/12/2007*	*1/14/2008*	*2/11/2008*	*2/11/2008*
						Duplicate				*Duplicate*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.4	0.4	0.3 U	0.3 U	0.5	0.3 U	0.7	0.6
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4	0.4 U
1,4-Dichlorobenzene	µg/L	0.5	0.8	1.1	0.9	0.9	0.9	0.9	1.2	0.8
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	7.0	6.2	1.5 U	7.0	9.6	7.5	1.5 U	7.5	8.0
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2	0.3	0.2 U	0.2 U	0.3	0.3	0.4	0.4
Chloroethane	µg/L	1.5	1.4	1.5	1.2	1.2	1.5	1.3	2.1	1.6
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	9	9	3.3	9.1	11.7	10.7	4.4	12.3	11.4
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	**3.1**	**3.8**	**16.6**	**6.62**	**7.8**	**9.43**
Manganese	µg/L	17.0	19.8	15.9	18.2	18.4	22.6	24.6	26.6	29.8

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*
Sample ID:		*14737-031108-14*	*14737-040708-07*	*14737-050508-01*	*14737-061008-12*	*14737-070708-08*	*14737-080608-21*	*14737-090908-23*	*14737-100608-11*	*14737-110508-23*
Sample Date:		*3/11/2008*	*4/7/2008*	*5/5/2008*	*6/10/2008*	*7/7/2008*	*8/6/2008*	*9/9/2008*	*10/6/2008*	*11/5/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.9	0.7	0.9	1.3	1.0	1.2	1.3	1.3	1.1
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.7	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	1.2
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4	0.4 U	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.2	1.2	1.3	1.1	1.2	0.9	0.8	0.7	0.6
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	7.0	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.5	0.4	0.4	0.3	0.3	0.3	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	1.8	0.4 U	2.2	1.8	1.3	2.8	2.4	2.0	1.4
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	12.5	2.3	5.2	5	3.8	5.2	4.5	4	5.4
Metals										
Arsenic	µg/L	5.73	5.87	7.05	3.24	2.98	1.72 J	1.29 J	2.13 J	1.02
Manganese	µg/L	24.2	27	29.2	23.2	21.5	21.2	32.4	29.2	28.8

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*
Sample ID:		*14737-120908-21*	*14737-011509-43*	*14737-020409-21*	*14737-031009-20*	*14737-031009-21*	*14737-040709-04*	*14737-050709-17*	*14737-060309-17*	*14737-071409-07*
Sample Date:		*12/9/2008*	*1/15/2009*	*2/4/2009*	*3/10/2009*	*3/10/2009*	*4/7/2009*	*5/7/2009*	*6/3/2009*	*7/14/2009*
						Duplicate				
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.8	0.8	0.8	0.4	0.6	0.6	0.85	0.63	0.54
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	**13**	**16**	0.5 U	1.0	**9.1**	7.5
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	48	50	0.5 U	0.16 U	7.1	5.6
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	4.6	4.9	0.4 U	0.22 U	0.73	0.57
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	61	63	0.4 U	0.15 U	6.6	3.3
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	4.4 U	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 UJ	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	**75**	**79**	0.2 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	1.2	1.0	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.51	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.9	0.6	0.4 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	2	1.8	0.8	202.9	214.5	0.6	1.85	24.67	17.51
Metals										
Arsenic	µg/L	1.76 J	1.70 U	**7.71**	1.61 U	1.96 U	2.40 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	29.1	29.4	**552**	25.2	28.7	27.7	25.6	23.0	22.3

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*	*MW-45D*
Sample ID:		*14737-080609-01*	*14737-092209-24*	*14737-101209-13*	*14737-110909-13*	*14737-121709-17*	*14737-011110-13*	*14737-021310-22*	*14737-041410-01*	*14737-100510-12*
Sample Date:		*8/6/2009*	*9/22/2009*	*10/12/2009*	*11/9/2009*	*12/17/2009*	*1/11/2010*	*2/13/2010*	*4/14/2010*	*10/5/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.57	0.60	0.65	0.66	0.46	0.73	0.61	0.74 J	0.67 J
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	4.3	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.22 U	0.23	0.26	0.22 U	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	-	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-	-
Benzene	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U
Chloroethane	µg/L	0.45 U	1.2	0.45 U	0.84	0.45 U	0.53	0.78	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.45	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U
Total VOCs	µg/L	0.57	2.03	5.21	2.24	0.46	1.26	1.39	0.74	0.67
Metals										
Arsenic	µg/L	2.5 U	2.5 U	2.5 U	10.0 U	2.5 U	2.5 U	2.5 U	-	2.5 U
Manganese	µg/L	17.8	31.4	30.0	28.4	18.0	33.0	22.5	35.1	31.9

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-46S*	*MW-46S*	*MW-46S*	*MW-46S*	*MW-46S*	*MW-46S*	*MW-46S*	*MW-46S*	*MW-46S*
Sample ID:		*14737-011007-48*	*14737-041007-01*	*14737-070907-07*	*14737-101007-19*	*14737-011708-51*	*14737-040908-16*	*14737-070708-03*	*14737-100608-07*	*14737-100608-08*
Sample Date:		*1/10/2007*	*4/10/2007*	*7/9/2007*	*10/10/2007*	*1/17/2008*	*4/9/2008*	*7/7/2008*	*10/6/2008*	*10/6/2008*
										Duplicate
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	3.0
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.4	4.2
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4	0.5
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.4
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.5	0.5	0.6	0.5	0.4	0.4 U	0.5	0.7	0.7
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.5	1	0.6	0.5	0.4	ND	0.5	7.6	8.8
Metals										
Arsenic	µg/L	2.4 U	2.8 U	2.8 U	2.8 U	1.21 J	2.17 J	1.78 J	2.22 J	2.44 J
Manganese	µg/L	9.3 J	5.6 J	5.8 U	32.3	44.3	64	25.2	46.1	35.7

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-46S*	*MW-46S*	*MW-46S*	*MW-46S*	*MW-46S*	*MW-46S*	*MW-46S*	*MW-46I*	*MW-46I*
Sample ID:		*14737-011209-03*	*14737-040909-33*	*14737-071309-06*	*14737-101209-06*	*14737-011110-06*	*14737-041410-07*	*14737-100410-07*	*14737-011007-49*	*14737-041007-02*
Sample Date:		*1/12/2009*	*4/9/2009*	*7/13/2009*	*10/12/2009*	*1/11/2010*	*4/14/2010*	*10/4/2010*	*1/10/2007*	*4/10/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	10 U	10 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	1.9 U	1.9 U	1.9 U	-	-	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U	-	-	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.6	0.6	0.49	0.64	0.57	0.43 J	0.36 J	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	0.4 U	0.4 U
Total VOCs	µg/L	0.6	0.6	0.49	0.64	0.57	0.43	0.36	ND	ND
Metals										
Arsenic	µg/L	2.28 U	2.91 U	2.5 U	2.5 U	2.5 U	-	2.5 U	2.4 U	2.8 U
Manganese	µg/L	13.7	22.4	29.4	15.0	27.5	**99.6**	24.8	**841**	**676**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-46I*	*MW-46I*	*MW-46I*	*MW-46I*	*MW-46I*	*MW-46I*	*MW-46I*	*MW-46I*	*MW-46I*
Sample ID:		*14737-070907-05*	*14737-070907-06*	*14737-101007-18*	*14737-011708-50*	*14737-040908-15*	*14737-070708-02*	*14737-100608-10*	*14737-011209-02*	*14737-040909-31*
Sample Date:		*7/9/2007*	*7/9/2007*	*10/10/2007*	*1/17/2008*	*4/9/2008*	*7/7/2008*	*10/6/2008*	*1/12/2009*	*4/9/2009*
			Duplicate							
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.4	0.4	0.3 U	0.3 U	0.3 U	0.5	1.2	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.4	0.4	ND	ND	ND	0.5	1.2	ND	ND
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	0.878 J	0.67 J	0.858 J	0.578 J	1.26 U	2.13 U
Manganese	µg/L	**611**	**641**	**576**	**113**	**155**	**158**	**109**	**76.1**	**63.8**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-46I*	*MW-46I*	*MW-46I*	*MW-46I*	*MW-46I*	*MW-46I*	*MW-46I*	*MW-46D*	*MW-46D*
Sample ID:		*14737-040909-32*	*14737-071309-05*	*14737-101209-05*	*14737-011110-05*	*14737-041410-05*	*14737-041410-06*	*14737-100410-06*	*14737-011007-50*	*14737-041007-03*
Sample Date:		*4/9/2009*	*7/13/2009*	*10/12/2009*	*1/11/2010*	*4/14/2010*	*4/14/2010*	*10/4/2010*	*1/10/2007*	*4/10/2007*
		Duplicate					*Duplicate*			
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.68 U	0.68 U	0.68 U	10 U	10 U	10 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U	10 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	1.9 U	1.9 U	1.9 U	-	-	-	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	0.30 U	0.30 U	0.30 U	-	-	-	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.29 U	0.29 U	0.29 U	2.2	2.0	1.0 U	1.7	0.3 U
Ethylbenzene	µg/L	0.4 U	0.25 U	0.25 U	0.25 U	0.72 J	1.1	1.0 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.090 U	0.090 U	0.090 U	1.0 U	0.38 J	1.0 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.43 U	0.43 U	0.43 U	1.7 J	2.5 J	3.0 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	4.62	5.98	ND	1.7	ND
Metals										
Arsenic	µg/L	2.34 U	2.5 U	2.5 U	2.5 U	-	-	2.5 U	2.4 U	2.8 U
Manganese	µg/L	62.0	46.4	45.7	101	102	107	71.9	7.8 J	8.4 J

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-46D*	*MW-46D*	*MW-46D*	*MW-46D*	*MW-46D*	*MW-46D*	*MW-46D*	*MW-46D*
Sample ID:		*14737-070907-04*	*14737-101007-17*	*14737-011708-49*	*14737-040908-14*	*14737-070708-01*	*14737-100608-09*	*14737-011209-01*	*14737-040909-30*
Sample Date:		*7/9/2007*	*10/10/2007*	*1/17/2008*	*4/9/2008*	*7/7/2008*	*10/6/2008*	*1/12/2009*	*4/9/2009*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.6	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.6	0.3 U	0.3 U	0.3 U	0.3 U	1.0	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.6	ND	1.9	ND	ND	1	ND	ND
Metals									
Arsenic	µg/L	2.8 U	2.8 U	1.76 J	1.32 J	1.20 J	0.502 J	1.27 U	1.26 U
Manganese	µg/L	9.1 U	14.3 J	17.9	20.1	18.6	8.94 J	10.2	8.90 J

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-46D*	*MW-46D*	*MW-46D*	*MW-46D*	*MW-46D*	*MW-47S*	*MW-47S*	*MW-47S*	*MW-47S*
Sample ID:		*14737-071309-04*	*14737-101209-04*	*14737-011110-04*	*14737-041410-04*	*14737-100410-05*	*14737-010507-17*	*14737-041107-19*	*14737-071007-19*	*14737-101107-22*
Sample Date:		*7/13/2009*	*10/12/2009*	*1/11/2010*	*4/14/2010*	*10/4/2010*	*1/5/2007*	*4/11/2007*	*7/10/2007*	*10/11/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	8.3	0.44 U	0.44 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	5.8	0.16 U	0.16 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.55	0.22 U	0.22 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	3.8	0.15 U	0.15 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	10 U	10 U	1.5 U	13	1.5 U	5.8
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	-	-	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	-	-	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.7	0.4	0.3 U	1.0
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.4	0.4 U	0.4 U	1.0
Toluene	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U	0.5	0.4 U	0.4	**1.1**
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	18.45	ND	ND	ND	ND	1.6	13.4	0.4	8.9
Metals										
Arsenic	µg/L	2.5 U	2.4 J	2.5 U	-	2.5 U	**5.1**	2.8 U	2.8 U	2.8 U
Manganese	µg/L	10.0 U	35.4	14.5	10.0 U	10.0 U	**815**	**1200**	**777**	**743**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-47S*	*MW-47S*	*MW-47S*	*MW-47S*	*MW-47S*	*MW-47S*	*MW-47S*	*MW-47S*	*MW-47S*
Sample ID:		*14737-011508-26*	*14737-041108-45*	*14737-070908-32*	*14737-100908-51*	*14737-011409-32*	*14737-041309-45*	*14737-071609-27*	*14737-102009-46*	*14737-011310-29*
Sample Date:		*1/15/2008*	*4/11/2008*	*7/9/2008*	*10/9/2008*	*1/14/2009*	*4/13/2009*	*7/16/2009*	*10/20/2009*	*1/13/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.44 U	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.6	0.7	0.6	0.6	0.55	0.57	0.45
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.28	0.29	0.22 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4	0.6	0.70	0.66	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	1.8	3.5	4.0	13	20	26	22	19	22
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**2.6**	**2.3**	**2.5**	**2.4**	**2.0**	**3.6**	**4.0**	**2.5**	**2.8**
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.26	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	**1.2**	**1.8**	**1.5**	**2.5**	**3.9**	**5.0**	**4.2**	**3.1**	**3.5**
Vinyl chloride	µg/L	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	5.6	7.9	8.6	18.6	26.9	35.8	31.99	26.12	28.75
Metals										
Arsenic	µg/L	**3.93**	2.43 J	2.85	2.78	1.76 U	2.90 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	**519**	**562**	**414**	**399**	**449**	**480**	**410**	**458**	**520**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-47S*	*MW-47S*	*MW-47I*	*MW-47I*	*MW-47I*	*MW-47I*	*MW-47I*	*MW-47I*	*MW-47I*
Sample ID:		*14737-042710-46*	*14737-100710-38*	*14737-010507-18*	*14737-041107-20*	*14737-071007-18*	*14737-101107-21*	*14737-011508-25*	*14737-041108-44*	*14737-070908-31*
Sample Date:		*4/27/2010*	*10/7/2010*	*1/5/2007*	*4/11/2007*	*7/10/2007*	*10/11/2007*	*1/15/2008*	*4/11/2008*	*7/9/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.50 J	0.36 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.45 J	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.3	0.62 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	5.4	17	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.57 J	**2.0**	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**1.1**	**2.6**	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	9.32	22.58	ND	ND	ND	ND	ND	ND	ND
Metals										
Arsenic	µg/L	-	2.5 U	2.4 U	2.8 U	2.8 U	2.8 U	1.37 J	1.18 J	1.21 J
Manganese	µg/L	**668**	**644**	**186**	**186**	**215**	**195**	**213**	**242**	**221**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-47I*	*MW-47I*	*MW-47I*	*MW-47I*	*MW-47I*	*MW-47I*	*MW-47I*	*MW-47I*	*MW-47D*
Sample ID:		*14737-100908-50*	*14737-011409-31*	*14737-041309-44*	*14737-071609-26*	*14737-102009-45*	*14737-011310-28*	*14737-042710-45*	*14737-100710-37*	*14737-010507-19*
Sample Date:		*10/9/2008*	*1/14/2009*	*4/13/2009*	*7/16/2009*	*10/20/2009*	*1/13/2010*	*4/27/2010*	*10/7/2010*	*1/5/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	**11**	6.3	0.44 U	0.44 U	1.0 U	1.0 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	18	2.7	0.16 U	0.16 U	1.0 U	1.0 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	1.7	0.26	0.22 U	0.22 U	1.0 U	1.0 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	23	1.6	0.15 U	0.15 U	0.22 J	0.43 J	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	10 U	10 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	1.9 U	1.9 U	1.9 U	-	-	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U	-	-	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	5.4	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.4	2.2	2.6	1.4	2.6	0.61 J	2.4	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.5	0.61	0.20 U	0.58	0.31 J	0.46 J	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4	0.69	0.18 U	0.63	0.34 J	0.59 J	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	0.4 U
Total VOCs	µg/L	ND	0.4	62.2	14.76	1.4	3.81	1.48	3.88	ND
Metals										
Arsenic	µg/L	0.612 J	1.68 U	1.41 U	2.5 U	2.5 U	2.5 U	-	2.5 U	2.4 U
Manganese	µg/L	**213**	**302**	**268**	**284**	**296**	**339**	**326**	**315**	36.4

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-47D*	*MW-47D*	*MW-47D*	*MW-47D*	*MW-47D*	*MW-47D*	*MW-47D*	*MW-47D*	*MW-47D*
Sample ID:		*14737-041107-21*	*14737-071007-17*	*14737-101107-20*	*14737-011508-24*	*14737-041108-43*	*14737-070908-30*	*14737-100908-49*	*14737-011409-30*	*14737-041309-43*
Sample Date:		*4/11/2007*	*7/10/2007*	*10/11/2007*	*1/15/2008*	*4/11/2008*	*7/9/2008*	*10/9/2008*	*1/14/2009*	*4/13/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.2	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.6	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	7.8	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.5	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	17.9	ND	ND	ND
Metals										
Arsenic	µg/L	2.8 U	2.8 U	**5.2**	**4.32**	**6.92**	**4.57**	**7.30**	**7.49**	**10.4**
Manganese	µg/L	39.1	38.1	47.2	42.6	41.3	40.6	38.3	40.1	46.4

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-47D*	*MW-47D*	*MW-47D*	*MW-47D*	*MW-47D*	*MW-48S*	*MW-48S*	*MW-48S*	*MW-48S*
Sample ID:		*14737-071609-25*	*14737-102009-44*	*14737-011310-27*	*14737-042710-44*	*14737-100710-36*	*14737-010407-13*	*14737-041107-22*	*14737-071007-25*	*14737-101107-25*
Sample Date:		*7/16/2009*	*10/20/2009*	*1/13/2010*	*4/27/2010*	*10/7/2010*	*1/4/2007*	*4/11/2007*	*7/10/2007*	*10/11/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.4	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	2.1	1.6	2.0	2.5
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	3.2	2.5	1.9	2.2
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	1.4	0.7	0.9	0.8
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	**2.4**	**1.5**	**1.7**	**1.2**
1,3-Dichlorobenzene	µg/L	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U	1.2	0.7	0.9	0.8
1,4-Dichlorobenzene	µg/L	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	11	5.6	5.5	7.9
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	-	-	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	-	-	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.8	0.4	0.3	0.4
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	4.1	2.2	1.5	1.6
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.3	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	2.8	1.0	0.6	0.5
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.9	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U	0.8	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	31.6	16.2	15.3	17.9
Metals										
Arsenic	µg/L	**7.5**	**10.6**	**5.0**	-	**4.4**	2.4 U	2.8 U	2.8 U	2.8 U
Manganese	µg/L	41.4	**53.0**	48.0	**57.8**	49.1	**168**	**230**	**208**	**321**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-48S*	*MW-48S*	*MW-48S*	*MW-48S*	*MW-48S*	*MW-48S*	*MW-48S*	*MW-48S*	*MW-48S*
Sample ID:		*14737-011508-23*	*14737-041008-39*	*14737-070908-36*	*14737-100908-48*	*14737-011409-25*	*14737-011409-26*	*14737-041309-42*	*14737-071609-23*	*14737-071609-24*
Sample Date:		*1/15/2008*	*4/10/2008*	*7/9/2008*	*10/9/2008*	*1/14/2009*	*1/14/2009*	*4/13/2009*	*7/16/2009*	*7/16/2009*
							Duplicate			*Duplicate*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	1.1	0.5 U	4.6	3.3	1.9	1.7	1.7	2.3	2.3
1,2-Dichlorobenzene	µg/L	1.0	0.6	5.1	1.8	0.5 U	0.5 U	0.5 U	0.48	0.52
1,2-Dichloroethane	µg/L	0.4	0.3 U	0.3	0.8	0.3 U	0.3 U	0.3 U	0.54	0.47
1,2-Dichloropropane	µg/L	0.9	**1.1**	0.5 U	**1.2**	0.5 U	0.5 U	**1.2**	0.87	0.090 U
1,3-Dichlorobenzene	µg/L	0.5	0.4	0.9	0.6	0.7	0.8	0.4	0.49	0.48
1,4-Dichlorobenzene	µg/L	3.7	1.4	9.3	1.9	0.5	0.6	2.2	1.9	1.9
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**3.3**	3.1 U	0.30 U	0.30 U
Benzene	µg/L	0.2	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U
Chlorobenzene	µg/L	1.0	1.2	1.4	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U
Total VOCs	µg/L	8.8	4.7	21.9	9.6	3.1	6.4	5.5	6.58	5.67
Metals										
Arsenic	µg/L	0.762 J	0.48 J	1.01 J	0.404 J	0.458 U	0.762 U	1.39 U	2.5 U	2.5 U
Manganese	µg/L	**292**	**125**	**274**	**398**	**118**	**118**	**382**	**283**	**272**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-48S*	*MW-48S*	*MW-48S*	*MW-48S*	*MW-48I*	*MW-48I*	*MW-48I*	*MW-48I*	*MW-48I*
Sample ID:		*14737-102009-50*	*14737-011310-39*	*14737-042710-49*	*14737-100710-40*	*14737-010407-12*	*14737-041107-23*	*14737-071007-24*	*14737-101107-24*	*14737-011508-22*
Sample Date:		*10/20/2009*	*1/13/2010*	*4/27/2010*	*10/7/2010*	*1/4/2007*	*4/11/2007*	*7/10/2007*	*10/11/2007*	*1/15/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	4.8	1.7	1.6	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.45	0.32	0.17 J	0.23 J	0.5 U	0.5 U	0.5 U	0.5 U	0.8
1,2-Dichloroethane	µg/L	0.24 U	0.38	1.0 U	0.37 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.82	**1.4**	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.47	0.91	0.94 J	0.43 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.7	0.97	0.79 J	0.78 J	0.8	0.5	0.4 U	0.4	1.4
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	2.5 U	2.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	0.30 U	0.30 U	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.64	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.16 U	0.16 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4
Chloroethane	µg/L	0.45 U	0.45 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.13 U	0.13 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.52	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.5	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.090 U	0.090 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.18 U	0.18 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.3	0.43 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	12.7	5.68	3.5	3.11	0.8	0.5	ND	1.9	2.6
Metals										
Arsenic	µg/L	2.5 U	2.5 U	-	2.5 U	2.4 U	**6.4**	2.8 U	**7.4**	**4.1**
Manganese	µg/L	**417**	**124**	**61.6**	**389**	**157**	**146**	**144**	**198**	**243**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-48I*	*MW-48I*	*MW-48I*	*MW-48I*	*MW-48I*	*MW-48I*	*MW-48I*	*MW-48I*	*MW-48I*
Sample ID:		*14737-041008-38*	*14737-070908-37*	*14737-070908-38*	*14737-100908-47*	*14737-011409-24*	*14737-041309-41*	*14737-071609-22*	*14737-102009-51*	*14737-011310-37*
Sample Date:		*4/10/2008*	*7/9/2008*	*7/9/2008*	*10/9/2008*	*1/14/2009*	*4/13/2009*	*7/16/2009*	*10/20/2009*	*1/13/2010*
				Duplicate						
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.6	0.5 U	0.5 U	0.5 U	**13**	0.59	0.50	0.44 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	23	0.41	0.36	0.40
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.2	0.22 U	0.22 U	0.26
1,4-Dichlorobenzene	µg/L	1.1	0.4	0.4 U	0.6	0.4 U	29	0.48	0.55	0.56
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.4	0.2 U	0.2 U	0.2 U	0.2 U	8.2	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	2.1	1	ND	0.6	ND	75.4	1.48	1.41	1.22
Metals										
Arsenic	µg/L	**20.7**	**4.10**	**5.10**	**18.1**	**15.0**	3.52 U	**6.1**	2.5 J	2.5 U
Manganese	µg/L	**233**	**123**	**124**	**162**	**175**	**162**	**158**	**205**	**239**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-48I*	*MW-48I*	*MW-48I*	*MW-48D*	*MW-48D*	*MW-48D*	*MW-48D*	*MW-48D*	*MW-48D*
Sample ID:		*14737-011310-38*	*14737-042710-48*	*14737-100710-39*	*14737-010407-11*	*14737-041107-24*	*14737-071007-23*	*14737-101107-23*	*14737-011508-21*	*14737-041008-37*
Sample Date:		*1/13/2010*	*4/27/2010*	*10/7/2010*	*1/4/2007*	*4/11/2007*	*7/10/2007*	*10/11/2007*	*1/15/2008*	*4/10/2008*
		Duplicate								
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.10 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.73	0.63 J	0.71 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.42	0.31 J	0.21 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.24 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.090 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.22 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.58	0.91 J	0.90 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	2.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	0.30 U	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.16 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.45 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.13 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.090 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.18 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.43 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	1.73	1.85	1.82	ND	ND	ND	ND	ND	ND
Metals										
Arsenic	µg/L	2.5 U	-	2.5 U	2.4 U	2.8 U	2.8 U	2.8 U	1.7 J	1.48 J
Manganese	µg/L	**233**	**289**	**213**	**56.6**	**54.3**	**59.2**	**57.6**	**58**	**51.7**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-48D*	*MW-48D*	*MW-48D*	*MW-48D*	*MW-48D*	*MW-48D*	*MW-48D*	*MW-48D*	*MW-48D*
Sample ID:		*14737-070908-39*	*14737-100908-46*	*14737-011409-23*	*14737-041309-40*	*14737-071609-21*	*14737-102009-52*	*14737-011310-36*	*14737-042710-47*	*14737-100710-41*
Sample Date:		*7/9/2008*	*10/9/2008*	*1/14/2009*	*4/13/2009*	*7/16/2009*	*10/20/2009*	*1/13/2010*	*4/27/2010*	*10/7/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	7.7	0.44 U	0.44 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	3.6	0.16 U	0.16 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.37	0.22 U	0.22 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	2.1	0.15 U	0.15 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	10 U	10 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 U	1.9 U	-	-
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U	-	-
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U
Total VOCs	µg/L	ND	ND	ND	ND	13.77	ND	ND	ND	ND
Metals										
Arsenic	µg/L	0.560 U	2.05 J	**3.08**	2.63 U	2.5 U	2.5 U	2.5 U	-	2.5 U
Manganese	µg/L	**54.5**	**58.5**	**58.3**	**67.8**	**58.6**	**53.9**	**67.1**	**73.6**	**74.8**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*
Sample ID:		*14737-010407-10*	*14737-021307-05*	*14737-031307-08*	*14737-041107-27*	*14737-041107-28*	*14737-050807-09*	*14737-061107-13*	*14737-071007-21*	*14737-080807-10*
Sample Date:		*1/4/2007*	*2/13/2007*	*3/13/2007*	*4/11/2007*	*4/11/2007*	*5/8/2007*	*6/11/2007*	*7/10/2007*	*8/8/2007*
						Duplicate				
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.9 U	1.9 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.8 U	1.8 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.1 U	1.1 U	0.2 U
1,1-Dichloroethane	µg/L	0.5	0.5	0.5	0.4	0.4	0.4	1.3 U	1.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3 U	2.3 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	**13**	**13**	**14**	**13**	**13**	9.0	6.0	2.6 U	8.9
1,2-Dichlorobenzene	µg/L	4.0	4.3	4.4	4.7	5.0	3.0	2.6 U	2.6 U	3.3
1,2-Dichloroethane	µg/L	2.0	1.9	1.8	2.0	**2.1**	1.4	1.4	1.4 U	2.0
1,2-Dichloropropane	µg/L	**2.0**	**2.2**	**2.2**	**1.9**	**2.0**	**1.6**	2.4 U	2.4 U	**2.1**
1,3-Dichlorobenzene	µg/L	3.8	3.4	3.9	3.2	3.0	2.6	1.8 U	1.8 U	2.4
1,4-Dichlorobenzene	µg/L	**85**	**80**	**80**	**76**	75	57	30	29	47
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	3.6 U	3.6 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	4.9	1.5 U	1.5 U	7.1	7.6 U	7.6 U	7.8
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	33 U	33 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	16 U	16 U	3.1 U
Benzene	µg/L	**14**	**13**	**12**	**8.4**	**8.5**	**7.1**	**6.1**	**8.0**	**10**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.2 U	1.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.2 U	2.2 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.7 U	1.7 U	0.3 U
Chlorobenzene	µg/L	9.3	8.7	7.9	7.2	7.0	5.5	4.2	4.2	5.2
Chloroethane	µg/L	0.7	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.2 U	2.2 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.2 U	2.2 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.3	1.5	1.1	0.8	0.9	1.0	1.4 U	1.4 U	1.0
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.6 U	0.6 U	0.1 U
Cyclohexane	µg/L	7.4	7.0	6.3	3.1	3.3	5.5	3.0 U	4.0	4.5
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.4 U	1.4 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.6 U	1.6 U	0.3 U
Ethylbenzene	µg/L	0.8	0.6	0.8	0.4 U	0.4 U	0.5	2.0 U	2.0 U	0.5
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.8 U	1.8 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.0 U	2.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.1 U	2.1 U	0.4 U
Toluene	µg/L	0.6	0.6	0.6	0.4	0.4	0.5	1.5 U	1.5 U	0.5
trans-1,2-Dichloroethene	µg/L	1.6	1.8	1.4	1.0	1.0	1.2	2.0 U	2.0 U	1.0
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.8 U	0.8 U	0.2 U
Trichloroethene	µg/L	**1.2**	**1.1**	1.0	0.6	0.6	**1.1**	1.8 U	1.8 U	**1.4**
Vinyl chloride	µg/L	0.9	0.7	0.6	0.4	0.4	0.7	1.2 U	1.2 U	0.7
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.0 U	2.0 U	0.4 U
Total VOCs	µg/L	148.1	140.3	143.4	123.1	122.6	105.2	47.7	45.2	98.3
Metals										
Arsenic	µg/L	**4.9**	**5.0**	**5.7**	**6.2**	**6.8**	**3.8**	**5.9**	**4.3 J**	**5.1**
Manganese	µg/L	**1410**	**1360**	**1370**	**1320**	**1310**	**1290**	**1220**	**1360**	**1300**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*
Sample ID:		*14737-080807-11*	*14737-091407-23*	*14737-101507-28*	*14737-111607-11*	*GW-14737-121107-12*	*14737-011708-48*	*14737-021108-13*	*14737-031008-08*	*14737-041008-33*
Sample Date:		*8/8/2007*	*9/14/2007*	*10/15/2007*	*11/16/2007*	*12/11/2007*	*1/17/2008*	*2/11/2008*	*3/10/2008*	*4/10/2008*
		Duplicate								
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.4	0.6	0.3 U	0.3 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	**9.7**	**13**	5.8	**17**	7.8	8.4	**13**	**11**	9.0
1,2-Dichlorobenzene	µg/L	3.4	4.2	1.8	3.1	2.9	2.4	3.0	2.9	2.5
1,2-Dichloroethane	µg/L	2.0	**2.2**	1.0	1.4	1.4	1.7	**2.7**	**3.2**	**2.8**
1,2-Dichloropropane	µg/L	**2.2**	**2.4**	1.0	**1.1**	**1.5**	**1.5**	**3.0**	**3.3**	**2.6**
1,3-Dichlorobenzene	µg/L	2.5	3.7	1.6	2.6	2.4	1.8	2.4	2.4	2.1
1,4-Dichlorobenzene	µg/L	49	68	26	46	38	27	36	38	36
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	1.5 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	9.3	7.4	7.9	7.8	3.0 U	1.5 U	10	13	7.6
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	13 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	6.2 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**11**	**12**	**4.6**	**12**	**12**	**5.6**	**10**	**11**	**8.3**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	5.4	5.7	2.2	4.2	4.1	2.4	3.5	4.0	3.4
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.1	1.2	0.4	1.3	1.4	0.5	0.8	0.8	0.6
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	4.9	6.0	3.1	5.2	6.1	0.8	6.6	5.8	3.4
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.5	0.6	0.4 U	0.6	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	1.0	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.5	0.6	0.3 U	0.5	0.6 U	0.3 U	0.4	0.6	0.5
trans-1,2-Dichloroethene	µg/L	1.1	1.3	0.5	1.2	0.9	0.4 U	1.0	1.1	0.9
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**1.4**	**1.6**	0.9	**2.2**	**2.1**	0.6	**1.2**	**1.3**	**1.1**
Vinyl chloride	µg/L	0.7	0.6	0.4	0.8	0.7	0.2 U	0.6	0.5	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	105.1	131.1	58.2	107	81.3	52.7	94.2	98.9	80.8
Metals										
Arsenic	µg/L	**4.8**	**5.9**	**5.4**	**6.0**	**7.2**	**6.62**	**7.03**	**6.59**	**6.67**
Manganese	µg/L	**1330**	**1330**	**589**	**1020**	**1180**	**1110**	**1050**	**1010**	**986**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*
Sample ID:		*14737-050608-23*	*14737-061108-17*	*14737-070908-29*	*14737-080508-17*	*14737-090808-08*	*14737-100908-42*	*14737-110308-07*	*14737-120808-08*	*14737-011309-15*
Sample Date:		*5/6/2008*	*6/11/2008*	*7/9/2008*	*8/5/2008*	*9/8/2008*	*10/9/2008*	*11/3/2008*	*12/8/2008*	*1/13/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.8 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U	0.4 U	0.4 U	0.7 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.4 U
1,1-Dichloroethane	µg/L	0.3 U	0.5	0.5	0.6	0.5 U	0.6	0.3 U	0.3 U	0.5 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U	0.5 U	**1.7**	0.5 U	0.9 U
1,2,4-Trichlorobenzene	µg/L	**16**	**12**	**13**	8.6	7.2	**9.9**	**9.3**	6.7	3.2
1,2-Dichlorobenzene	µg/L	3.6	3.6	3.7	3.5	2.9	3.4	3.5	2.4	1.8
1,2-Dichloroethane	µg/L	**3.3**	**2.8**	**3.0**	**3.6**	**3.2**	**3.1**	**2.6**	0.3 U	1.0
1,2-Dichloropropane	µg/L	**2.5**	**2.3**	0.5 U	**2.5**	**2.8**	**1.8**	**2.1**	**1.2**	1.0 U
1,3-Dichlorobenzene	µg/L	3.2	3.4	3.6	3.5	2.7	3.0	3.0	1.9	1.2
1,4-Dichlorobenzene	µg/L	59	62	64	**78**	50	53	47	27	19
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	1.5 U	0.7 U	0.7 U	0.7 U	1.5 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	14	11	1.5 U	1.5 U	3.0 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	13 U	6.6 U	6.6 U	6.6 U	13 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	6.2 U	3.1 U	3.1 U	3.1 U	6.2 U
Benzene	µg/L	**9.2**	**9.9**	**9.5**	**12**	**8.9**	**10**	**11**	**7.1**	**7.4**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.5 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.4 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	0.4 U	0.4 U	0.9 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	0.3 U	0.3 U	0.7 U
Chlorobenzene	µg/L	3.7	3.6	3.7	4.2	8.6	3.8	3.5	2.6	2.4
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	0.4 U	0.4 U	0.9 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.4 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	0.4 U	0.4 U	0.9 U
cis-1,2-Dichloroethene	µg/L	0.9	1.0	0.9	1.0	0.6	1.0	1.1	0.8	0.6 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.1 U	0.1 U	0.1 U	0.3 U
Cyclohexane	µg/L	3.0	4.6	5.8	4.5	3.0	4.2	6.3	3.2	3.1
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U	0.3 U	0.3 U	0.5 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.6 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.8 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U	0.4 U	0.4 U	0.7 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.8 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.8 U
Toluene	µg/L	0.4	0.5	0.5	0.5	0.6	0.4	0.5	0.3 U	0.6 U
trans-1,2-Dichloroethene	µg/L	1.1	1.4	1.5	1.5	1.2	1.5	1.2	0.9	0.8 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.3 U
Trichloroethene	µg/L	**1.4**	**1.5**	**1.1**	**1.4**	0.8	0.9	**1.2**	0.7	0.7 U
Vinyl chloride	µg/L	0.2 U	0.8	0.8	1.0	0.5 U	0.2 U	0.2 U	0.4	0.5 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.8 U
Total VOCs	µg/L	107.3	109.9	111.6	126.4	106.5	107.6	94	54.9	39.1
Metals										
Arsenic	µg/L	**6.6**	**5.99**	**6.54**	**6.18**	**6.02**	**6.21**	**6.21**	**6.39**	**6.23**
Manganese	µg/L	**915**	**804**	**877**	**737**	**714**	**741**	**651**	**612**	**595**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*
Sample ID:		*14737-020309-09*	*14737-030909-06*	*14737-040709-10*	*14737-050609-13*	*14737-060209-10*	*14737-071609-33*	*14737-080609-13*	*14737-091809-03*
Sample Date:		*2/3/2009*	*3/9/2009*	*4/7/2009*	*5/6/2009*	*6/2/2009*	*7/16/2009*	*8/6/2009*	*9/18/2009*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	4.0	3.0	5.3	5.0	4.2	3.3	3.0	3.0
1,2-Dichlorobenzene	µg/L	2.0	2.6	2.4	2.6	2.2	1.7	1.7	1.9
1,2-Dichloroethane	µg/L	1.3	1.4	0.3 U	0.24 U	1.2	0.82	0.24 U	0.91 J
1,2-Dichloropropane	µg/L	**1.5**	**1.4**	**1.3**	**1.2**	0.090 U	0.72	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	1.7	1.7	1.7	1.9	1.8	1.3	1.4	1.4
1,4-Dichlorobenzene	µg/L	21	20	20	20	16	13	14	13
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	4.4 U	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	1.9 UJ	1.9 UJ	1.9 U	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	**9.1**	**7.8**	**6.9**	**6.4**	**7.1**	**5.6**	**6.8**	**6.0**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	2.4	2.4	2.5	2.4	2.0	1.9	1.9	1.9
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	1.0	0.9	0.9	0.93	0.74	0.95	0.90	0.69 J
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	5.2	3.4	3.0	4.3 J	2.1	3.0	3.1	2.5
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	1.4	0.5	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.7	0.4 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.4	0.4	0.3 U	0.090 U	0.090 U	0.25	0.090 U	0.27 J
trans-1,2-Dichloroethene	µg/L	0.8	0.6	0.6	0.14 U	0.70	0.70	0.14 U	0.61 J
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	1.0	0.9	0.5	0.18 U	0.49	0.87	0.71	0.50 J
Vinyl chloride	µg/L	0.6	0.2 U	0.2 U	0.13 U	0.13 U	0.47	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	2.6	1.1	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	52	51.2	46.7	44.73	38.53	34.58	33.51	32.68
Metals									
Arsenic	µg/L	**5.29**	**5.51**	**7.20**	**5.7**	**5.5**	**4.8**	**5.3**	**6.7**
Manganese	µg/L	**580**	**536**	**552**	**532**	**486**	**445**	**466**	**457**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*	*MW-49S*
Sample ID:		*14737-101409-31*	*14737-111009-16*	*14737-121709-20*	*14737-011310-30*	*14737-021010-13*	*14737-042710-41*	*14737-042710-42*	*14737-071310-03*	*14737-100810-48*
Sample Date:		*10/14/2009*	*11/10/2009*	*12/17/2009*	*1/13/2010*	*2/9/2010*	*4/27/2010*	*4/27/2010*	*7/13/2010*	*10/8/2010*
								Duplicate		
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U	0.31 J
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	2.7	5.2	2.2	1.5	1.8	1.9	1.7	2.6	2.6
1,2-Dichlorobenzene	µg/L	1.9	1.7	1.6	1.2	1.1	1.3	1.1	2.2	2.4
1,2-Dichloroethane	µg/L	0.24 U	0.76	0.72	0.53	0.52	0.57 J	0.53 J	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.69	0.72	0.80	0.090 U	0.46	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.2	1.3	1.3	1.0	0.95	1.2	1.2	1.6	1.8
1,4-Dichlorobenzene	µg/L	12	11	13	9.7	8.2	8.7	8.4	12	15
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U	10 U	10 U
Acetone	µg/L	2.5 U	5.3	2.5 U	2.5 U	2.5 U	10 U	10 U	10 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	-	-	-	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-	-	-	-
Benzene	µg/L	**5.1**	**4.3**	**5.7**	**3.7**	**3.7**	**3.4**	**3.3**	**5.9**	**8.5**
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.7	1.4	1.6	1.2	1.1	1.0	0.92 J	2.0	2.3
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.57	0.56	0.83	0.60	0.57	0.57 J	0.53 J	0.75 J	1.7
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	2.2	1.9	2.0	1.0	1.4	1.6	1.6	2.2	3.3
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	1.0 U	0.26 J
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	0.090 U	0.21	0.28	0.090 U	0.090 U	0.23 J	0.21 J	1.0 U	0.39 J
trans-1,2-Dichloroethene	µg/L	0.50	0.47	0.47	0.35	0.38	0.33 J	0.29 J	0.48 J	0.82 J
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.52	0.53	0.66	0.52	0.53	0.63 J	0.53 J	0.61 J	**1.5**
Vinyl chloride	µg/L	0.38	0.13 U	0.13 U	0.25	0.26	1.0 U	1.0 U	1.0 U	0.86 J
Xylenes (total)	µg/L	0.43 U	0.85	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	3.0 U	3.0 U
Total VOCs	µg/L	29.46	36.2	31.16	21.55	20.97	21.43	20.31	30.34	41.74
Metals										
Arsenic	µg/L	**5.6**	**17.9**	**5.8**	**5.1**	**5.2**	-	-	**5.1**	**5.2**
Manganese	µg/L	**452**	**478**	**431**	**417**	**422**	**385**	**382**	**403**	**425**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*
Sample ID:		*14737-010407-09*	*14737-021307-06*	*14737-031307-09*	*14737-041107-26*	*14737-050807-08*	*14737-061107-12*	*14737-071007-20*	*14737-080807-09*	*14737-091407-22*
Sample Date:		*1/4/2007*	*2/13/2007*	*3/13/2007*	*4/11/2007*	*5/8/2007*	*6/11/2007*	*7/10/2007*	*8/8/2007*	*9/14/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.5	1.8	2.0	1.0	1.2	1.6	0.5 U	0.9	2.4
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	2.3	3.5	6.5	1.5	1.2	1.8	1.5	1.5	2.2
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	6.8	7.3	6.7	8.8	5.7
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.7
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.4	0.5	0.9	0.4	0.2 U	0.4	0.6	0.6	0.4
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.4	0.6	0.3	0.6	0.6	0.6	0.6	0.6	1.0
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.6	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.6	1.0	0.9	0.8	0.9	**1.2**	**1.2**	1.0	**1.5**
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**2.4**	**3.2**	**3.1**	**3.4**	**4.1**	**4.5**	**4.7**	**3.9**	**5.5**
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	8.1	11.6	15.8	8.1	15.3	17.9	15.8	17.8	19.4
Metals										
Arsenic	µg/L	2.6 J	3.0 J	2.4 U	2.8 U	2.8 U	2.9 J	2.8 U	2.8 U	**12.9**
Manganese	µg/L	**314**	**196**	**158**	**124**	1.0 U	**129**	**114**	**128**	**91.3**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*
Sample ID:		*14737-101107-27*	*14737-111607-12*	*GW-14737-121107-13*	*14737-011708-46*	*14737-021108-12*	*14737-031008-09*	*14737-041008-32*	*14737-050608-22*	*14737-061108-16*
Sample Date:		*10/11/2007*	*11/16/2007*	*12/11/2007*	*1/17/2008*	*2/11/2008*	*3/10/2008*	*4/10/2008*	*5/6/2008*	*6/11/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	2.5	3.2	3.1	2.0	2.6	1.1	0.5 U	2.0	2.2
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	2.0	2.3	1.9	0.9	0.6	0.5	0.4 U	0.7	0.8
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	14	7.7	6.5	1.5 U	6.4	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.6	0.4	0.5	0.5	0.5	0.5	0.3	0.5	0.4
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.4	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.7	0.6	0.6	0.4	0.4	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**1.3**	**1.4**	**1.3**	**1.2**	**1.4**	**1.6**	**1.5**	**1.1**	0.9
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**5.0**	**4.6**	**3.4**	**2.1**	**1.8**	**1.3**	0.8	**1.1**	0.8
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	27.5	20.6	18.7	7.1	13.7	5	2.6	5.4	5.1
Metals										
Arsenic	µg/L	2.8 U	**7.4**	**3.7**	2.13 J	1.76 J	1.44 J	1.41 J	1.9 J	1.5 J
Manganese	µg/L	**70.5**	**87.3**	**80.8**	**78.1**	**51.2**	**55.6**	45.6	**61.8**	**50.1**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*
Sample ID:		*14737-070908-28*	*14737-080508-15*	*14737-080508-16*	*14737-090808-09*	*14737-100908-41*	*14737-110308-06*	*14737-120808-06*	*14737-120808-07*	*14737-011309-14*
Sample Date:		*7/9/2008*	*8/5/2008*	*8/5/2008*	*9/8/2008*	*10/9/2008*	*11/3/2008*	*12/8/2008*	*12/8/2008*	*1/13/2009*
				Duplicate					*Duplicate*	
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	2.6	2.4	1.1	1.4	1.5	2.8	2.8	0.8
1,2-Dichlorobenzene	µg/L	0.5 U	3.4	3.0	0.5 U	0.5 U	0.5 U	0.6	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	3.6	3.2	0.6	0.6	0.9	0.7	0.7	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.4	0.5	0.6	0.8	0.7	0.6	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.6	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5	0.4	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.5	0.5	0.5	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.6	0.7	0.8	0.6	0.6	0.4	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	1.5	12.3	11.4	3.1	3.3	3.4	4.6	3.9	0.8
Metals										
Arsenic	µg/L	1.12 J	1.52 J	2.09 J	1.48 J	1.49 J	1.16	1.95 U	2.28 U	1.98 U
Manganese	µg/L	47.7	50.3	49.9	58.8	63.5	59.5	71.9	73.9	79.3

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*
Sample ID:		*14737-020309-08*	*14737-030909-05*	*14737-040709-09*	*14737-050609-12*	*14737-060209-9*	*14737-071609-32*	*14737-080609-12*	*14737-091809-02*
Sample Date:		*2/3/2009*	*3/9/2009*	*4/7/2009*	*5/6/2009*	*6/2/2009*	*7/16/2009*	*8/6/2009*	*9/18/2009*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	1.0	**12**	**16**	1.1	**11**	1.3	1.1	1.0
1,2-Dichlorobenzene	µg/L	0.5 U	44	28	0.16 U	12	0.16 U	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	4.6	2.8	0.22 U	1.3	0.22 U	0.22 U	0.22 U
1,4-Dichlorobenzene	µg/L	0.7	60	38	1.1	12	1.3	1.6	1.2
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	5.6	1.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	4.4 U	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	1.9 UJ	1.9 UJ	1.9 U	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.6	0.2 U	0.13 U	0.98	0.27	0.13 U	0.21 J
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	**80**	15	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	**1.1**	0.4 U	0.20 U	0.20 U	0.23	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.18 U	0.55	0.73	0.71	1.0
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	1.7	207.9	99.8	2.2	37.83	3.83	3.41	3.41
Metals									
Arsenic	µg/L	1.51 J	2.55	1.55 U	2.5 U	**3.1**	2.6	3.0	2.7
Manganese	µg/L	**68.7**	**86.8**	**96.3**	**93.6**	**101**	**136**	**137**	**65.1**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*	*MW-49I*
Sample ID:		*14737-101409-30*	*14737-111009-15*	*14737-121709-19*	*14737-011310-31*	*14737-021010-11*	*14737-021010-12*	*14737-042710-40*	*14737-071310-01*	*14737-100810-47*
Sample Date:		*10/14/2009*	*11/10/2009*	*12/17/2009*	*1/13/2010*	*2/9/2010*	*2/9/2010*	*4/27/2010*	*7/13/2010*	*10/8/2010*
							Duplicate			
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.2	0.75	0.93	0.80	0.60	0.67	0.58 J	0.48 J	1.0 U
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.1	0.73	1.1	0.80	0.73	0.72	0.40 J	0.26 J	0.40 J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	-	-	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-	-	-
Benzene	µg/L	0.13 U	0.21	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	0.31 J	1.0 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.41 J
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	1.0 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.38 J	0.51 J	1.0 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.77	0.72	0.60	0.55	0.57	0.58	**1.3**	**2.1**	**1.5**
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	3.0 U
Total VOCs	µg/L	3.07	2.41	2.63	2.15	1.9	1.97	2.66	3.66	2.31
Metals										
Arsenic	µg/L	**3.3**	10.0 U	2.4 J	2.5 U	2.5 U	**3.1**	-	**3.1**	2.5 U
Manganese	µg/L	33.4	**51.5**	**52.9**	41.9	37.1	39.7	10.0 U	17.0	35.9

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*
Sample ID:		*14737-010407-08*	*14737-021307-04*	*14737-031307-10*	*14737-041107-25*	*14737-050807-07*	*14737-061107-11*	*14737-071007-22*	*14737-080807-08*	*14737-091407-20*
Sample Date:		*1/4/2007*	*2/13/2007*	*3/13/2007*	*4/11/2007*	*5/8/2007*	*6/11/2007*	*7/10/2007*	*8/8/2007*	*9/14/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.6	0.6	0.5 U	0.6	0.5	0.9	0.5 U	0.5 U	0.7
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.6	0.6	0.6	0.5	0.6	0.5	0.6	0.5	0.5
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.4
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.6	0.6	0.4	0.4	0.3	0.3	0.3	0.3	0.4
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**1.8**	**1.9**	**1.7**	**1.6**	**1.5**	**1.5**	**1.4**	**1.2**	**1.7**
Vinyl chloride	µg/L	0.4	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	4.6	4.6	3.3	3.6	3.4	3.6	2.7	2.4	7.1
Metals										
Arsenic	µg/L	**4.6**	**5.3**	**6.4**	**5.3**	**3.5**	**6.0**	**4.6 J**	**4.1**	**6.1**
Manganese	µg/L	**188**	**190**	**198**	**164**	**165**	**140**	**176**	**136**	**132**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*
Sample ID:		*14737-091407-21*	*14737-101107-26*	*14737-111607-13*	*GW-14737-121107-14*	*14737-011708-47*	*14737-021108-11*	*14737-031008-10*	*14737-041008-31*	*14737-050608-21*
Sample Date:		*9/14/2007*	*10/11/2007*	*11/16/2007*	*12/11/2007*	*1/17/2008*	*2/11/2008*	*3/10/2008*	*4/10/2008*	*5/6/2008*
		Duplicate								
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.3	0.4	0.4	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.8	0.5 U	1.1	4.2	0.5 U	0.5 U	0.6
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.5	0.5	0.5	0.5	0.4	0.6	0.7	0.7	1.1
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	3.0	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.5	0.3	0.4	0.4	0.3	0.5	0.6	0.6	**1.1**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2	0.2	0.4	0.6	0.8	1.5
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.4	0.3 U	0.4	0.6	0.5	0.8	0.9	0.8	1.4
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	1.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.7	**1.1**	**1.1**	**1.3**	**1.6**	**2.3**	**2.7**
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**1.8**	**1.7**	**1.8**	**2.0**	**1.2**	**1.6**	**1.6**	**1.5**	**2.7**
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	6.2	3.9	4.6	5	4.8	9.7	6.4	7.1	11.1
Metals										
Arsenic	µg/L	**5.8**	**5.9**	2.7	2.6	**3.51**	1.66 J	1.87 J	1.26 J	1.4 J
Manganese	µg/L	**134**	**133**	**124**	**126**	**114**	**109**	**121**	**124**	**147**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*
Sample ID:		*14737-061108-15*	*14737-070908-27*	*14737-080508-14*	*14737-090808-10*	*14737-100908-40*	*14737-110308-05*	*14737-120808-05*	*14737-011309-13*	*14737-020309-07*
Sample Date:		*6/11/2008*	*7/9/2008*	*8/5/2008*	*9/8/2008*	*10/9/2008*	*11/3/2008*	*12/8/2008*	*1/13/2009*	*2/3/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.5	0.3	0.6	0.4	0.2 U	0.3	0.3	0.2 U	0.4
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	5.7	1.0	0.6	0.6	2.1	0.7	0.7	0.5 U	0.8
1,2-Dichlorobenzene	µg/L	23	0.5 U	0.5 U	0.5 U	1.3	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.9	0.8	1.1	0.8	0.9	0.8	0.6	0.3 U	0.6
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	2.3	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	34	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0	1.0	**1.1**	1.0	1.0	1.0	0.6	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	39	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	1.2	1.4	1.6	1.4	1.4	1.3	1.0	0.8	1.0
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.1	1.3	1.1	1.1	1.2	1.1	0.8	0.3 U	0.7
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.5	0.4	0.5	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**2.6**	**2.2**	**2.6**	**2.0**	**2.2**	**2.0**	**2.3**	1.0	**1.4**
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**2.3**	**2.3**	**2.4**	**2.1**	**2.0**	**1.9**	**1.4**	1.0	**1.3**
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	113.6	10.3	11.1	9.4	12.6	9.5	8.2	2.8	7.2
Metals										
Arsenic	µg/L	1.72 J	1.38 J	0.768 J	0.536 J	1.37 J	0.909	1.34 U	1.36 U	0.794 U
Manganese	µg/L	**137**	**135**	**141**	**134**	**168**	**146**	**170**	**185**	**193**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*
Sample ID:		*14737-030909-04*	*14737-040709-08*	*14737-050609-11*	*14737-060209-8*	*14737-071609-31*	*14737-080609-11*	*14737-091809-01*	*14737-101409-35*	*14737-111009-14*
Sample Date:		*3/9/2009*	*4/7/2009*	*5/6/2009*	*6/2/2009*	*7/16/2009*	*8/6/2009*	*9/18/2009*	*10/14/2009*	*11/10/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.24	0.10 U	0.29 J	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	1.2	0.5 U	0.45	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	1.0	0.5 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.5	0.3 U	0.24 U	0.24 U	0.47	0.24 U	0.47 J	0.50	0.56
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,4-Dichlorobenzene	µg/L	1.0	0.4 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	4.4 U	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	1.9 UJ	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	-	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.8	0.7	0.95	0.92	0.70	0.70	0.84 J	0.78	0.68
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.6	0.5	0.66	0.76	0.55	0.20 U	0.55 J	0.48	0.45
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.42
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**2.2**	**1.2**	**1.5**	**1.9**	**1.5**	**1.2**	**1.3**	**1.1**	**1.4**
Toluene	µg/L	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U	0.20 J	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	**1.3**	**1.1**	**1.3**	**1.2**	**1.1**	0.86	**1.2**	1.0	0.99
Vinyl chloride	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	8.6	3.5	4.86	4.78	4.56	2.76	4.85	3.86	4.5
Metals										
Arsenic	µg/L	1.08 U	1.39 U	2.5 U	**3.7**	2.5 U	2.5 U	**3.7**	2.4 J	10.0 U
Manganese	µg/L	**239**	**253**	**244**	**229**	**216**	**260**	**240**	**224**	**234**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-49D*	*MW-50S*	*MW-50S*	*MW-50S*
Sample ID:		*14737-121709-18*	*14737-011310-32*	*14737-021010-10*	*14737-042710-39*	*14737-071310-02*	*14737-100810-49*	*14737-010407-06*	*14737-021307-03*	*14737-031307-13*
Sample Date:		*12/17/2009*	*1/13/2010*	*2/9/2010*	*4/27/2010*	*7/13/2010*	*10/8/2010*	*1/4/2007*	*2/13/2007*	*3/13/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.37	0.10 U	0.24	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.47	0.42	0.36	0.28 J	1.0 U	0.33 J	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U	1.0 U	2.3	1.8	1.4
1,4-Dichlorobenzene	µg/L	0.15 U	0.15 U	0.15 U	0.18 J	1.0 U	1.0 U	9.0	6.3	3.8
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	10 U	10 U	10 U	1.5 U	1.5 U	3.9
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	-	-	-	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	-	-	-	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	1.0 U	2.6	1.3	1.4
Chloroform (Trichloromethane)	µg/L	0.75	0.63	0.52	0.39 J	1.0 U	0.30 J	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.41	0.43	0.30	0.32 J	1.0 U	0.40 J	0.3 U	0.4	0.3 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**1.3**	**1.2**	**1.1**	0.99 J	0.75 J	0.80 J	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**1.2**	0.91	0.77	0.88 J	0.96 J	0.89 J	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	4.5	3.59	3.29	3.04	1.71	2.72	13.9	9.8	10.5
Metals										
Arsenic	µg/L	2.5 U	2.5 U	2.5 U	-	2.5	2.5 U	2.4 U	2.4 U	2.4 U
Manganese	µg/L	**254**	**213**	**260**	**222**	**201**	**226**	**87.8**	**122**	**179**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*
Sample ID:		*14737-041007-06*	*14737-041007-07*	*14737-050907-16*	*14737-061207-15*	*14737-071207-35*	*14737-080907-17*	*14737-091407-19*	*14737-101707-46*	*14737-112007-23*
Sample Date:		*4/10/2007*	*4/10/2007*	*5/9/2007*	*6/12/2007*	*7/12/2007*	*8/9/2007*	*9/14/2007*	*10/17/2007*	*11/20/2007*
			Duplicate							
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.5	1.2	1.4	2.4	1.7	2.0	2.5	1.8	2.1
1,4-Dichlorobenzene	µg/L	2.3	1.8	0.7	1.1	0.5	0.4	0.7	0.8	0.8
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	7.0	1.5 U	6.1	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	1.3	1.3	3.3	2.4	1.8	2.2	1.6	1.2	1.2
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.6	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	5.1	4.3	5.4	13.5	4	10.7	4.8	3.8	4.1
Metals										
Arsenic	µg/L	2.8 U	**3.6**	2.8 U	**5.1**	2.8 J	2.9 J	2.8 U	2.8 U	1.6 J
Manganese	µg/L	**195**	**208**	**129**	**86.3**	46.0	42.8	27.4	23.8	25.2

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*
Sample ID:		*GW-14737-121107-05*	*14737-011608-40*	*14737-021208-22*	*14737-031008-03*	*14737-031008-04*	*14737-041008-36*	*14737-050608-20*
Sample Date:		*12/11/2007*	*1/16/2008*	*2/12/2008*	*3/10/2008*	*3/10/2008*	*4/10/2008*	*5/6/2008*
						Duplicate		
Parameter	*Units*							
Volatiles								
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	2.8	1.3	0.4 U	2.0	1.6	1.1	1.0
1,4-Dichlorobenzene	µg/L	1.0	1.0	0.4 U	1.0	0.7	0.8	0.8
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	5.9	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	2.1	1.3	0.4 U	2.6	2.5	2.5	1.6
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.5	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	5.9	3.6	0.5	11.5	4.8	4.4	3.4
Metals								
Arsenic	µg/L	0.94 J	4.03	0.946 J	2.9	2.44 J	1.9 J	2.6
Manganese	µg/L	22.2	22.4	52.4	22.3	20.1	13.9	15.6

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*
Sample ID:		*14737-061008-07*	*14737-070808-23*	*14737-080508-10*	*14737-090808-03*	*14737-090808-04*	*14737-100708-26*	*14737-110308-03*	*14737-110308-04*
Sample Date:		*6/10/2008*	*7/8/2008*	*8/5/2008*	*9/8/2008*	*9/8/2008*	*10/7/2008*	*11/3/2008*	*11/3/2008*
						Duplicate			*Duplicate*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.2	1.0	1.0	0.9	0.9	1.3	1.1	1.1
1,4-Dichlorobenzene	µg/L	1.0	0.7	0.5	0.4	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.3	0.4	1.0	0.6	0.6	0.7	0.6	0.6
Chloroethane	µg/L	2.0	1.6	2.2	1.7	1.7	0.4 U	1.0	1.0
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	4.5	3.7	5	3.6	3.2	2	2.7	2.7
Metals									
Arsenic	µg/L	**3.1**	**5.21**	**5.68**	2.17 J	2.00 J	1.82 J	2.83	2.73
Manganese	µg/L	17	21.9	26.3	13.0	12.3	10.8	15.8	15.6

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*
Sample ID:		*14737-120808-04*	*14737-011509-42*	*14737-020309-03*	*14737-030909-03*	*14737-040709-03*	*14737-050609-07*	*14737-060209-1*	*14737-071709-36*
Sample Date:		*12/8/2008*	*1/15/2009*	*2/3/2009*	*3/9/2009*	*4/7/2009*	*5/6/2009*	*6/2/2009*	*7/17/2009*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	6.4	18	0.44 U	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	36	41	0.28	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.5	0.4 U	0.4 U	3.9	4.5	0.46	0.50	0.39
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	43	54	0.15 U	0.15 U	0.23
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 UJ	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	4.4 U	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 UJ	1.9 UJ	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.7	0.2 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.4	0.2 U	0.2 U	95	25	0.16 U	0.16 U	0.24
Chloroethane	µg/L	1.3	0.4 U	1.7	0.4 U	1.6	1.9	0.45 U	1.6
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.8	0.4 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	2.2	ND	1.7	185.8	144.1	2.64	0.5	2.46
Metals									
Arsenic	µg/L	5.12	3.47	3.41	3.25	2.77	2.9	4.4	2.5 U
Manganese	µg/L	17.2	14.6	11.7	12.4	9.30 J	10.4	18.2	10.0 U

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*	*MW-50S*
Sample ID:		*14737-080609-10*	*14737-091809-06*	*14737-101309-23*	*14737-111009-20*	*14737-121609-10*	*14737-011210-26*	*14737-021010-06*	*14737-042310-32*	*14737-071410-13*
Sample Date:		*8/6/2009*	*9/18/2009*	*10/13/2009*	*11/10/2009*	*12/16/2009*	*1/12/2010*	*2/9/2010*	*4/23/2010*	*7/14/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	4.4	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.43	0.25 J	0.40	0.36	0.42	0.33	0.41	1.0	1.0 U
1,4-Dichlorobenzene	µg/L	0.23	0.17 J	0.21	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	-	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-	-
Benzene	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 J	**1.2**
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.16 U	0.27 J	0.27	0.16 U	0.28	0.16 U	0.22	0.21 J	1.0 U
Chloroethane	µg/L	1.8	2.3	2.8	2.8	1.7	1.5	1.8	4.3	3.3
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U
Total VOCs	µg/L	2.46	2.99	8.08	3.16	2.4	1.83	2.43	5.64	4.5
Metals										
Arsenic	µg/L	3.0	2.5 U	2.5 U	10.0 U	2.5 U	2.5 U	2.5 U	-	2.5 U
Manganese	µg/L	18.2	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**250**	**260**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50S*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*
Sample ID:		*14737-100710-34*	*14737-010407-04*	*14737-010407-05*	*14737-021307-01*	*14737-031307-12*	*14737-041007-05*	*14737-050907-15*	*14737-061207-14*	*14737-071207-34*
Sample Date:		*10/7/2010*	*1/4/2007*	*1/4/2007*	*2/13/2007*	*3/13/2007*	*4/10/2007*	*5/9/2007*	*6/12/2007*	*7/12/2007*
				Duplicate						
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.4	1.3	1.3	1.2	0.9	0.5 U	0.7	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	7.7	6.5	6.9	7.0	5.0	2.4	4.0	3.4
1,4-Dichlorobenzene	µg/L	1.0 U	**99**	**83**	**97**	**87**	72	35	64	55
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	1.5 U	1.5 U	1.5 U	7.9	1.5 U	1.5 U	11	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0 U	**8.0**	**7.1**	**4.4**	**4.7**	0.7	**53**	**39**	**5.5**
Bromodichloromethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	2.5	2.2	1.6	1.3	0.8	1.4	1.6	0.6
Chloroethane	µg/L	3.6	4.6	4.6	2.0	2.4	1.6	3.4	2.1	2.1
Chloroform (Trichloromethane)	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	1.1	1.0	1.2	0.9	0.6	0.6 U	0.6	0.6
Dibromochloromethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.6	0.4 U	0.4 U
Hexane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.8	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2.2	0.4 U	0.4 U
Total VOCs	µg/L	3.6	124.3	105.7	114.4	112.4	81.6	98.8	123	67.2
Metals										
Arsenic	µg/L	2.5 U	**6.9**	**5.8**	**5.7**	**6.7**	**4.7**	**5.7**	**8.3**	**5.6**
Manganese	µg/L	**160**	**310**	**320**	**321**	**357**	**329**	**402**	**404**	**387**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*
Sample ID:		*14737-080907-16*	*14737-091407-18*	*14737-101707-45*	*14737-112007-22*	*GW-14737-121107-06*	*14737-011608-39*	*14737-021208-23*	*14737-031008-02*
Sample Date:		*8/9/2007*	*9/14/2007*	*10/17/2007*	*11/20/2007*	*12/11/2007*	*1/16/2008*	*2/12/2008*	*3/10/2008*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.9	0.5 U	0.5 U	0.9
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	2.8	3.6	3.8	4.4	5.8	5.5	0.4 U	12
1,4-Dichlorobenzene	µg/L	44	46	43	40	36	16	0.4 U	8.2
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	7.1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.3	16
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**1.2**	0.6	1.0	0.5	0.5	0.3	0.2 U	**6.6**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.4	0.4	0.5	0.4	0.4	0.4	0.2 U	0.9
Chloroethane	µg/L	2.1	1.6	1.6	2.0	4.0	3.7	0.4 U	**9.1**
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	57.6	52.2	49.9	47.3	49.5	25.9	7.3	53.7
Metals									
Arsenic	µg/L	**5.1**	**5.7**	**6.8**	**6.1**	**6.3**	**5.08**	1.83 J	**3.14**
Manganese	µg/L	**391**	**372**	**395**	**333**	**344**	**222**	10.4	**195**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*
Sample ID:		*14737-041008-35*	*14737-050608-19*	*14737-061008-05*	*14737-061008-06*	*14737-070808-22*	*14737-080508-09*	*14737-090808-02*	*14737-100708-25*
Sample Date:		*4/10/2008*	*5/6/2008*	*6/10/2008*	*6/10/2008*	*7/8/2008*	*8/5/2008*	*9/8/2008*	*10/7/2008*
					Duplicate				
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.7	0.9	0.8	0.8	0.6	0.8	0.5 U	1.0
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	7.6	8.9	8.3	7.8	6.2	6.7	5.0	7.6
1,4-Dichlorobenzene	µg/L	4.2	4.4	4.0	3.7	2.6	3.2	1.3	3.8
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	13	1.5 U	1.5 U	1.5 U	5.3	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**2.0**	0.9	**2.8**	**3.0**	**1.3**	**17**	**1.8**	**52**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.6	0.4	0.9	0.9	1.0	5.1	1.0	7.5
Chloroethane	µg/L	**6.0**	**5.4**	4.3	3.9	3.6	**7.4**	**6.8**	**7.4**
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.6
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	34.5	20.9	21.1	20.1	20.6	40.2	15.9	79.9
Metals									
Arsenic	µg/L	2.72	**3.23**	2.86	2.73	2.64	2.67	2.74	**3.26**
Manganese	µg/L	**146**	**142**	**134**	**131**	**121**	**163**	**140**	**291**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*
Sample ID:		*14737-110308-02*	*14737-120808-02*	*14737-120808-03*	*14737-011509-41*	*14737-020309-02*	*14737-030909-02*	*14737-040709-02*	*14737-050609-08*
Sample Date:		*11/3/2008*	*12/8/2008*	*12/8/2008*	*1/15/2009*	*2/3/2009*	*3/9/2009*	*4/7/2009*	*5/6/2009*
				Duplicate					
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.10 U
1,1-Dichloroethane	µg/L	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.10 U
1,1-Dichloroethene	µg/L	0.9 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	1.1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1 U	0.44 U
1,2-Dichlorobenzene	µg/L	1.0	1.2	1.2	1.1	1.3	1.5	1.3	1.5
1,2-Dichloroethane	µg/L	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.24 U
1,2-Dichloropropane	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	0.090 U
1,3-Dichlorobenzene	µg/L	7.7	6.3	6.5	6.0	7.6	7.4	7.8	8.4
1,4-Dichlorobenzene	µg/L	5.7	7.8	8.5	9.7	11	14	15	18
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	1.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1.5 U	0.68 U
Acetone	µg/L	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	4.5	3.0 U	2.5 UJ
Acetonitrile	µg/L	-	-	-	-	-	-	-	4.4 U
Acrolein	µg/L	13 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	13 U	1.9 UJ
Acrylonitrile	µg/L	6.2 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	6.2 U	-
Benzene	µg/L	**140**	**130**	**130**	**98**	**170**	**760**	**690**	**490**
Bromodichloromethane	µg/L	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.093 U
Bromoform	µg/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.31 U
Carbon tetrachloride	µg/L	0.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U	0.19 U
Chlorobenzene	µg/L	15	27	26	19	21	42	25	25
Chloroethane	µg/L	**6.4**	**6.6**	**7.2**	**8.4**	**8.3**	**18**	**9.3**	**12**
Chloroform (Trichloromethane)	µg/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.3 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.11 U
Cyclohexane	µg/L	1.2 U	0.6 U	0.6 U	0.6 U	0.7	3.2	1.7	1.8 J
Dibromochloromethane	µg/L	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.29 U
Ethylbenzene	µg/L	2.8	1.8	2.6	0.4 U	1.0	24	12	3.0
Hexane	µg/L	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.2	0.5	0.7	0.4 U	0.5	0.4 U	0.8 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	**1.3**	0.8 U	0.20 U
Toluene	µg/L	0.6 U	0.3 U	0.3 U	0.3	0.4	1.8	1.2	0.090 U
trans-1,2-Dichloroethene	µg/L	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.12 U
Trichloroethene	µg/L	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.18 U
Vinyl chloride	µg/L	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.13 U
Xylenes (total)	µg/L	0.8 U	0.4 U	0.6	0.6	3.1	87	48	6.5
Total VOCs	µg/L	179.8	181.2	183.3	143.1	224.9	964.7	811.3	566.2
Metals									
Arsenic	µg/L	**3.26**	**3.40**	**4.28**	**4.30**	**3.29**	**5.22**	**4.49**	**3.2**
Manganese	µg/L	**286**	**359**	**382**	**932**	**1070**	**617**	**524**	**690**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*
Sample ID:		*14737-050609-09*	*14737-060209-2*	*14737-060209-3*	*14737-071709-35*	*14737-080609-09*	*14737-091809-05*	*14737-101309-21*	*14737-101309-22*	*14737-111009-18*
Sample Date:		*5/6/2009*	*6/2/2009*	*6/2/2009*	*7/17/2009*	*8/6/2009*	*9/18/2009*	*10/13/2009*	*10/13/2009*	*11/10/2009*
		Duplicate		*Duplicate*					*Duplicate*	
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.18 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.28 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.88 U	0.44 U	0.44 U	0.44 U	0.44 U	5.0	0.44 U	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	1.5	1.5	1.5	1.5	1.0	1.9	1.0	1.2	0.86
1,2-Dichloroethane	µg/L	0.48 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.18 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	7.7	8.6	8.2	10	6.6	7.7	7.8	7.7	5.6
1,4-Dichlorobenzene	µg/L	17	16	16	17	12	14	15	14	11
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	1.4 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	8.9 UJ	-	-	-	-	-	-	-	-
Acrolein	µg/L	3.8 UJ	1.9 UJ	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Acrylonitrile	µg/L	-	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	**420**	**270**	**250**	**140**	**190**	**210**	**150**	**150**	**89**
Bromodichloromethane	µg/L	0.19 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.62 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	21	20	19	21	14	18	18	18	15
Chloroethane	µg/L	**9.9**	**7.6**	**8.0**	**13**	**13**	**15**	**17**	**16**	**11**
Chloroform (Trichloromethane)	µg/L	0.30 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.42 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	1.3	1.4	1.3	0.90	0.88	0.85 J	0.75	0.62	0.38
Dibromochloromethane	µg/L	0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.58 U	0.29 UJ	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	2.9	4.2	4.3	2.1	1.4	0.72 J	0.36	0.34	0.87
Hexane	µg/L	0.66 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.38 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.40 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.18 U	0.84	0.68	0.61	0.090 U	0.53 J	0.42	0.44	0.40
trans-1,2-Dichloroethene	µg/L	0.28 U	0.14 U	0.14 U	0.34	0.14 U	0.33 J	0.31	0.31	0.14 U
trans-1,3-Dichloropropene	µg/L	0.24 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.36 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.26 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	5.7	12	12	3.7	3.9	2.6 J	2.4	2.6	1.0
Total VOCs	µg/L	487	342.14	320.98	210.15	242.78	276.63	213.04	211.21	135.11
Metals										
Arsenic	µg/L	**3.5**	**3.1**	2.8	**4.5**	**3.3**	**5.0**	**4.9**	**4.5**	10.0 U
Manganese	µg/L	**686**	**655**	**638**	**981**	**865**	**798**	**620**	**622**	**574**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*	*MW-50I*
Sample ID:		*14737-111009-19*	*14737-121609-08*	*14737-121609-09*	*14737-011210-24*	*14737-011210-25*	*14737-021010-05*	*14737-042310-33*	*14737-071410-12*	*14737-100710-35*
Sample Date:		*11/10/2009*	*12/16/2009*	*12/16/2009*	*1/12/2010*	*1/12/2010*	*2/9/2010*	*4/23/2010*	*7/14/2010*	*10/7/2010*
		Duplicate		*Duplicate*		*Duplicate*				
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.97	0.82	0.75	1.2	1.2	0.85	0.97 J	1.0	1.1
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	5.6	5.4	5.2	6.7	7.6	5.3	7.0	7.9	8.3
1,4-Dichlorobenzene	µg/L	11	6.3	5.9	8.1	9.0	7.4	15	14	13
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	-	-	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-	-	-
Benzene	µg/L	**91**	**60**	**58**	**120**	**130**	**59**	**600**	**940**	**230**
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	16	12	12	26	29	15	12	14	10
Chloroethane	µg/L	**12**	**9.4**	**8.7**	**12**	**13**	**16**	**15**	**22**	**18**
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.43	0.77	0.75	0.94	1.1	0.43	2.2	3.0	0.88 J
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.82	0.39	0.34	0.77	0.72	0.77	4.3	12	2.9
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.88 J	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.61	0.59	0.19 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	0.40	0.27	0.29	0.44	0.50	0.37	1.3	1.3	0.44 J
trans-1,2-Dichloroethene	µg/L	0.36	0.25	0.23	0.38	0.47	0.33	0.38 J	1.0 U	0.37 J
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	1.0	0.57	0.51	2.2	2.3	2.5	3.2	24	1.3 J
Total VOCs	µg/L	139.58	96.17	92.67	179.34	195.48	107.95	662.23	1039.2	286.29
Metals										
Arsenic	µg/L	10.0 U	2.4 J	2.9	**3.4**	**3.5**	**3.4**	-	**4.4**	**3.1**
Manganese	µg/L	**592**	**600**	**656**	**723**	**749**	**622**	**991**	**358**	**385**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*
Sample ID:		*14737-010407-07*	*14737-021307-02*	*14737-031307-11*	*14737-041007-04*	*14737-050907-14*	*14737-061207-16*	*14737-071207-33*	*14737-080907-15*	*14737-091407-17*
Sample Date:		*1/4/2007*	*2/13/2007*	*3/13/2007*	*4/10/2007*	*5/9/2007*	*6/12/2007*	*7/12/2007*	*8/9/2007*	*9/14/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.8	1.0	0.9	0.8	1.2	0.8	0.9	1.1	1.2
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.6	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3	0.5	0.5
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5
1,3-Dichlorobenzene	µg/L	2.5	2.9	3.1	1.9	1.6	2.1	1.6	1.1	1.2
1,4-Dichlorobenzene	µg/L	15	21	24	15	12	22	18	13	9.8
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	11	7.6	1.5 U	11	10	12	8.2
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**14**	**20**	**20**	**10**	**6.6**	**6.6**	**8.9**	**6.4**	**5.9**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	2.3	1.4	1.7	0.7	0.6	0.5	0.5	0.3	0.4
Chloroethane	µg/L	1.4	0.6	0.8	0.6	1.1	0.9	0.9	1.2	0.6
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4	0.5	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	1.8	1.2	1.2	0.4 U	0.4	0.4 U	1.0	0.4 U	0.4
Total VOCs	µg/L	37.8	48.7	65.2	36.6	23.8	44.3	42.6	35.6	29.5
Metals										
Arsenic	µg/L	**5.6**	**3.9**	**4.0**	2.8 U	**3.1**	3.0 J	**4.0**	**7.3**	**5.3**
Manganese	µg/L	**269**	**259**	**184**	**145**	**123**	**99.5**	**71.8**	**61.0**	**67.5**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*
Sample ID:		*14737-101707-44*	*14737-112007-21*	*GW-14737-121107-07*	*GW-14737-121107-08*	*14737-011608-38*	*14737-021208-21*	*14737-031008-01*	*14737-041008-34*
Sample Date:		*10/17/2007*	*11/20/2007*	*12/11/2007*	*12/11/2007*	*1/16/2008*	*2/12/2008*	*3/10/2008*	*4/10/2008*
					Duplicate				
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0	0.9	2.0	2.0	1.6	0.3 U	1.5	1.0
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.6	0.5 U	0.9	0.8	1.3	0.5 U	0.5 U	2.0
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.5	0.9	0.9	0.6	0.3 U	0.5	0.3
1,2-Dichloropropane	µg/L	0.5	0.6	1.0	**1.1**	0.9	0.5 U	0.9	0.6
1,3-Dichlorobenzene	µg/L	1.2	0.9	1.3	1.3	1.8	0.4 U	1.9	2.8
1,4-Dichlorobenzene	µg/L	8.6	6.3	8.1	8.3	7.7	0.4 U	6.4	8.0
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	8.1	1.5 U	1.5 U	1.5 U	9.6	1.5 U	9.3	6.9
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**2.8**	**2.4**	**5.4**	**5.6**	**3.3**	0.2 U	**2.0**	**1.5**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.4	0.3	0.5	0.5	0.6	0.2 U	0.7	0.7
Chloroethane	µg/L	0.6	0.4 U	0.4 U	0.4 U	1.0	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3	0.3	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.5	1.5	1.4	1.2	0.4 U	0.7	0.5
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.8	2.5	2.6	1.7	0.4 U	0.6	0.5
Total VOCs	µg/L	23.8	13.2	24.1	24.8	31.6	ND	24.5	24.8
Metals									
Arsenic	µg/L	**3.4**	**5.3**	2.6	2.7	**3.17**	2.95	2.91	**3.57**
Manganese	µg/L	**86.9**	**78**	**77.4**	**72.5**	**68.7**	10.7	**297**	**368**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*
Sample ID:		*14737-050608-18*	*14737-061008-04*	*14737-070808-21*	*14737-080508-08*	*14737-090808-01*	*14737-100708-24*	*14737-110308-01*	*14737-120808-01*	*14737-011509-40*
Sample Date:		*5/6/2008*	*6/10/2008*	*7/8/2008*	*8/5/2008*	*9/8/2008*	*10/7/2008*	*11/3/2008*	*12/8/2008*	*1/15/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.1	1.0	0.9	0.9	1.2	0.7	0.3 U	0.5	0.5
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.9	1.0	0.9	2.2	0.6	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	5.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	3.5	3.0	2.4	2.4	2.1	2.7	2.6	2.0	2.2
1,4-Dichlorobenzene	µg/L	7.5	7.0	5.9	10	6.4	8.1	8.8	6.2	6.3
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	5.7	1.5 U	7.7	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**1.2**	**1.1**	0.6	0.5	0.7	0.6	0.8	0.2 U	0.3
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.6	0.5	0.4	1.3	0.5	0.7	0.8	0.5	1.0
Chloroethane	µg/L	0.4 U	0.7	0.4 U	0.8	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	15.5	14.3	16.8	23.1	19.2	12.8	13	10.1	10.3
Metals										
Arsenic	µg/L	**3.81**	**3.85**	**4.96**	**4.99**	**4.83**	**3.55**	**3.41**	**3.42**	2.90
Manganese	µg/L	**250**	**170**	**146**	**145**	**164**	**213**	**309**	**311**	**333**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*
Sample ID:		*14737-020309-01*	*14737-030909-01*	*14737-040709-01*	*14737-050609-10*	*14737-060209-4*	*14737-071709-34*	*14737-080609-08*	*14737-091809-04*	*14737-101309-20*
Sample Date:		*2/3/2009*	*3/9/2009*	*4/7/2009*	*5/6/2009*	*6/2/2009*	*7/17/2009*	*8/6/2009*	*9/18/2009*	*10/13/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.5	0.3 U	0.4	0.10 U	0.10 U	0.36	0.42	0.47 J	0.53
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.44 U	0.63	0.44 U	0.44 U	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.8	1.0	1.0	0.53	0.50	0.49	0.45	0.40 J	0.33
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.36
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.23
1,3-Dichlorobenzene	µg/L	3.2	3.1	4.4	4.2	3.5	3.6	3.6	3.3	3.0
1,4-Dichlorobenzene	µg/L	8.8	7.8	10	10	7.0	7.9	9.3	9.8	9.3
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	8.2	1.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	4.4 U	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	1.9 UJ	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.5	0.2 U	0.5	0.60	0.13 U	0.20	0.13 U	0.42 J	0.75
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	1.6	1.4	1.6	1.4	1.1	1.2	1.0	0.88 J	0.94
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	0.20 U	0.44 J	0.59
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	**2.7**	0.4 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	15.4	24.2	17.9	16.73	12.73	13.75	14.77	15.71	16.03
Metals										
Arsenic	µg/L	2.24 J	2.66	2.63	3.0	2.5 U	2.9	2.5 U	**6.9**	**4.0**
Manganese	µg/L	**284**	**236**	**167**	**136**	**149**	**189**	**178**	**255**	**249**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-50D*	*MW-51S*
Sample ID:		*14737-111009-17*	*14737-121609-07*	*14737-011210-23*	*14737-021010-04*	*14737-042310-34*	*14737-071410-10*	*14737-071410-11*	*14737-100710-33*	*14737-010407-03*
Sample Date:		*11/10/2009*	*12/16/2009*	*1/12/2010*	*2/9/2010*	*4/23/2010*	*7/14/2010*	*7/14/2010*	*10/7/2010*	*1/4/2007*
								Duplicate		
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	0.45	0.70	0.52	0.45	0.33 J	1.0 U	1.0 U	0.28 J	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.32	0.27	0.32	0.26	0.55 J	0.67 J	0.66 J	0.18 J	0.5 U
1,2-Dichloroethane	µg/L	0.24 U	0.48	0.43	0.37	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U
1,2-Dichloropropane	µg/L	0.36	0.090 U	0.090 U	0.50	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	2.4	2.0	1.9	1.9	4.6	3.4	3.4	1.5	0.4 U
1,4-Dichlorobenzene	µg/L	7.3	7.0	6.8	6.5	7.6	6.0	5.9	0.77 J	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U	10 U	10 U	0.7 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U	10 U	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	1.9 U	-	-	-	-	6.6 U
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	-	-	-	-	3.1 U
Benzene	µg/L	0.38	0.62	0.50	0.33	0.41 J	**130**	**130**	**1.4**	0.2 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U
Chlorobenzene	µg/L	0.70	0.72	0.66	0.65	1.2	14	13	0.41 J	0.2 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.95 J	1.9	1.0 U	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	1.2	1.1	0.87	0.34 J	1.0 U	1.0 U	1.0 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.66 J	1.4	1.5	1.0 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.2	1.6	1.0 U	0.4 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	0.48 J	0.52 J	1.0 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U	1.0 U	1.0 U	0.6
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	1.5 J	1.4 J	3.0 U	0.4 U
Total VOCs	µg/L	11.91	12.99	12.23	11.83	16.64	160.55	157.98	4.54	0.6
Metals										
Arsenic	µg/L	10.0 U	2.5 U	2.5 J	2.5 U	-	**3.1**	2.8	3.0	2.4 U
Manganese	µg/L	**306**	**92.4**	**388**	**355**	**289**	**805**	**866**	**941**	**52.7**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-51S*	*MW-51S*	*MW-51S*	*MW-51S*	*MW-51S*	*MW-51S*	*MW-51S*	*MW-51S*	*MW-51S*
Sample ID:		*14737-041007-10*	*14737-071207-38*	*14737-101607-43*	*14737-011608-34*	*14737-041008-29*	*14737-041008-30*	*14737-070808-17*	*14737-100708-19*	*14737-100708-20*
Sample Date:		*4/10/2007*	*7/12/2007*	*10/16/2007*	*1/16/2008*	*4/10/2008*	*4/10/2008*	*7/8/2008*	*10/7/2008*	*10/7/2008*
							Duplicate			*Duplicate*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.8	1.4	1.3
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.7	0.8	0.8	0.4	0.4	0.4 U	0.5	0.5	0.5
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.7	0.8	0.8	0.4	0.4	ND	2.3	1.9	1.8
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	1.15 J	0.741 J	0.764 J	0.813 J	1.01 J	0.926 J
Manganese	µg/L	**60.4**	**58.7**	**53.8**	**53.2**	45.7	44.6	39.8	39.8	37.7

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-51S*	*MW-51S*	*MW-51S*	*MW-51S*	*MW-51S*	*MW-51S*	*MW-51S*	*MW-51S*	*MW-51I*
Sample ID:		*14737-011509-35*	*14737-040809-23*	*14737-071709-47*	*14737-101309-26*	*14737-011310-35*	*14737-042210-31*	*14737-100710-31*	*14737-100710-32*	*14737-010407-02*
Sample Date:		*1/15/2009*	*4/8/2009*	*7/17/2009*	*10/13/2009*	*1/13/2010*	*4/22/2010*	*10/7/2010*	*10/7/2010*	*1/4/2007*
									Duplicate	
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	1.0 U	0.34 J	1.0 U	0.4
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.44 U	4.6	0.44 U	1.0 U	1.0 U	1.0 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	1.0 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	1.0 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U	1.0 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.1	0.5	0.81	0.31	0.15 U	1.0 U	1.0 U	1.0 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	10 U	10 U	10 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	1.9 U	1.9 U	1.9 U	-	-	-	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U	-	-	-	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	1.0 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	1.0 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	0.28 J	1.0 U	1.0 U	0.3
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	1.0 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	1.0 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	1.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	1.0 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	1.0 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	1.0 U	0.2 U
Trichloroethene	µg/L	0.4	0.5	0.47	0.51	0.41	0.87 J	0.44 J	0.31 J	0.4
Vinyl chloride	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	1.0 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.8	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	3.0 U	0.4 U
Total VOCs	µg/L	1.5	1.8	1.28	5.42	0.41	1.15	0.78	0.31	1.1
Metals										
Arsenic	µg/L	1.51 U	1.52 U	2.5 U	2.5 U	2.5 U	-	2.5 U	2.5 U	2.4 U
Manganese	µg/L	77.1	51.2	45.9	33.0	46.4	33.7	45.4	43.9	29.1

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-51I*	*MW-51I*	*MW-51I*	*MW-51I*	*MW-51I*	*MW-51I*	*MW-51I*	*MW-51I*	*MW-51I*
Sample ID:		*14737-041007-09*	*14737-071207-37*	*14737-101607-42*	*14737-011608-33*	*14737-041008-28*	*14737-070808-16*	*14737-100708-18*	*14737-011509-34*	*14737-040809-22*
Sample Date:		*4/10/2007*	*7/12/2007*	*10/16/2007*	*1/16/2008*	*4/10/2008*	*7/8/2008*	*10/7/2008*	*1/15/2009*	*4/8/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.4	0.6	0.3 U	0.3 U	0.3 U	0.3 U	0.4	0.4	0.4
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	15
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	33
1,2-Dichloroethane	µg/L	0.3 U	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.7
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.2	2.2	3.7	48
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	5.3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	17
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3	0.6	0.3 U	0.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.5	0.7	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	1.2	7.8	ND	0.4	ND	1.2	2.6	4.1	117.1
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	1.54 J	1.2 J	1.39 J	1.33 J	2.47 J	3.51 U
Manganese	µg/L	8.6 J	8.5 J	5.6 U	10.1	13.6	13.2	14.2	16.1	17.9

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-51I*	*MW-51I*	*MW-51I*	*MW-51I*	*MW-51I*	*MW-51D*	*MW-51D*	*MW-51D*	*MW-51D*
Sample ID:		*14737-071709-46*	*14737-101309-25*	*14737-011310-34*	*14737-042210-30*	*14737-100710-30*	*14737-010407-01*	*14737-041007-08*	*14737-071207-36*	*14737-101607-41*
Sample Date:		*7/17/2009*	*10/13/2009*	*1/13/2010*	*4/22/2010*	*10/7/2010*	*1/4/2007*	*4/10/2007*	*7/12/2007*	*10/16/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.30	0.35	0.10 U	0.49 J	0.49 J	0.3	0.3	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.30 J	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.71	0.68	0.61	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	4.5	1.5	1.1	1.2	0.92 J	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	-	-	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	-	-	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.13 U	0.27	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.42 J	0.57 J	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.47 J	0.68 J	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.63	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	5.51	2.8	2.34	2.88	2.66	0.3	0.3	ND	ND
Metals										
Arsenic	µg/L	2.5 U	2.8	2.5 U	-	2.5 U	2.4 U	2.8 U	**4.1**	2.8 U
Manganese	µg/L	15.3	28.8	23.0	44.1	**81.0**	19.5	11.9 J	17.6	9.3 J

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-51D*	*MW-51D*	*MW-51D*	*MW-51D*	*MW-51D*	*MW-51D*	*MW-51D*	*MW-51D*	*MW-51D*
Sample ID:		*14737-011608-31*	*14737-011608-32*	*14737-041008-27*	*14737-070808-14*	*14737-070808-15*	*14737-100708-17*	*14737-011509-33*	*14737-040809-21*	*14737-071709-45*
Sample Date:		*1/16/2008*	*1/16/2008*	*4/10/2008*	*7/8/2008*	*7/8/2008*	*10/7/2008*	*1/15/2009*	*4/8/2009*	*7/17/2009*
			Duplicate			*Duplicate*				
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.22 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	ND	ND	0.3	ND
Metals										
Arsenic	µg/L	2.7	**3.27**	**5.52**	**4.62**	**3.59**	2.58	**4.24**	4.87 U	2.5
Manganese	µg/L	11.4	12.8	16.8	12.6	12.0	11.3	11.5	19.1	15.8

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-51D*	*MW-51D*	*MW-51D*	*MW-51D*	*MW-52S*	*MW-52S*	*MW-52S*	*MW-52S*	*MW-52S*
Sample ID:		*14737-101309-24*	*14737-011310-33*	*14737-042210-29*	*14737-100710-29*	*14737-011007-44*	*14737-041307-40*	*14737-071107-30*	*14737-100907-12*	*14737-011408-08*
Sample Date:		*10/13/2009*	*1/13/2010*	*4/22/2010*	*10/7/2010*	*1/10/2007*	*4/13/2007*	*7/11/2007*	*10/9/2007*	*1/14/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.58	0.10 U	0.31 J	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	1.0 U	1.0 U	0.9	1.2	1.7	2.6	1.0
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.22 U	0.22 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4	0.5
1,4-Dichlorobenzene	µg/L	0.15 U	0.15 U	0.21 J	0.41 J	0.4 U	0.4	0.7	1.1	1.3
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	2.5 U	2.5 U	10 U	10 U	1.5 U	1.5 U	5.4	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	0.30 U	0.30 U	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.16 U	0.16 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.3	0.5
Chloroethane	µg/L	0.45 U	0.45 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.13 U	0.13 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.090 U	0.090 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.18 U	0.18 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.58	0.43 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	1.16	ND	0.52	0.41	0.9	1.6	7.8	4.4	3.8
Metals										
Arsenic	µg/L	**4.3**	2.5	-	2.5 U	2.4 U	**7.7**	2.8 U	2.8 U	1.17 J
Manganese	µg/L	19.5	15.4	16.6	15.2	**2050**	**2040**	**799**	**1690**	**1780**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-52S*	*MW-52S*	*MW-52S*	*MW-52S*	*MW-52S*	*MW-52S*	*MW-52S*	*MW-52S*	*MW-52S*
Sample ID:		*14737-041108-41*	*14737-071008-51*	*14737-100808-36*	*14737-011309-18*	*14737-040909-36*	*14737-071609-30*	*14737-102009-49*	*14737-011410-48*	*14737-042210-28*
Sample Date:		*4/11/2008*	*7/10/2008*	*10/8/2008*	*1/13/2009*	*4/9/2009*	*7/16/2009*	*10/20/2009*	*1/14/2010*	*4/22/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U	0.090 U	0.090 U	0.090 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.9 U	0.5 U	0.14 U	0.14 U	0.14 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	1.2	1.1 U	0.5 U	0.44 U	2.7	0.44 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0	0.6	1.8	1.4	1.7	3.1	0.40	0.31	0.29 J
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U	0.24 U	0.24 U	0.24 U	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U	0.090 U	0.090 U	0.090 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.8	1.3	1.2	0.7 U	1.0	0.88	0.64	0.47	1.0 U
1,4-Dichlorobenzene	µg/L	1.5	1.3	1.2	0.8 U	1.3	1.3	0.94	0.63	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	1.5 U	0.7 U	0.68 U	0.68 U	0.68 U	10 U
Acetone	µg/L	1.5 U	1.5 U	81	3.0 U	12	2.5 U	2.5 U	2.5 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	13 U	6.6 U	1.9 U	1.9 U	1.9 U	-
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	6.2 U	3.1 U	0.30 U	0.30 U	0.30 U	-
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.13 U	0.59	0.13 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.093 U	0.093 U	0.093 U	1.0 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	0.31 U	0.31 U	0.31 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	0.19 U	0.19 U	0.19 U	1.0 U
Chlorobenzene	µg/L	0.5	0.3	0.4	1.7	1.2	2.6	0.16 U	0.16 U	1.0 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	0.45 U	0.45 U	0.45 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.15 U	0.15 U	0.15 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	0.21 U	0.21 U	0.21 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.7	2.7	1.4	1.4	1.2	2.0	1.1	0.76	0.30 J
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.3 U	0.1 U	0.11 U	0.11 U	0.11 U	1.0 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	1.2 U	0.6 U	0.13 U	0.13 U	0.13 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U	0.11 U	0.11 U	0.11 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	0.29 U	0.29 U	0.29 U	1.0 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.25 U	0.44	0.25 U	1.0 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U	0.33 U	0.33 U	0.33 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.19 U	0.19 U	0.19 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.20 U	0.20 U	0.20 U	1.0 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	0.090 U	0.090 U	0.090 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.14 U	0.14 U	0.14 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.12 U	0.12 U	0.12 U	1.0 U
Trichloroethene	µg/L	0.5	0.8	0.4 U	0.7 U	0.4	0.53	0.38	0.34	0.23 J
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.28	0.13 U	0.13 U	1.0 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.8 U	0.4	0.43 U	2.9	0.43 U	3.0 U
Total VOCs	µg/L	6	7	88.2	4.5	19.2	10.69	10.09	2.51	0.82
Metals										
Arsenic	µg/L	1.13 J	1.04 J	1.18 J	**4.02**	2.91 U	2.5 U	2.5 U	2.5 U	-
Manganese	µg/L	**1840**	**1410**	**2160**	**1360**	**1590**	**1180**	**578**	**401**	**348**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-52S*	*MW-52I*	*MW-52I*	*MW-52I*	*MW-52I*	*MW-52I*	*MW-52I*	*MW-52I*	*MW-52I*
Sample ID:		*14737-100610-27*	*14737-011007-43*	*14737-041307-41*	*14737-071107-31*	*14737-100907-11*	*14737-011708-09*	*14737-041108-42*	*14737-071008-50*	*14737-100808-35*
Sample Date:		*10/6/2010*	*1/10/2007*	*4/13/2007*	*7/11/2007*	*10/9/2007*	*1/17/2008*	*4/11/2008*	*7/10/2008*	*10/8/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.49 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.49	ND	ND	ND	ND	ND	ND	ND	ND
Metals										
Arsenic	µg/L	2.4 J	2.4 U	**5.3**	2.8 U	2.8 U	**4.12**	1.42 J	1.43 J	2.04 J
Manganese	µg/L	**181**	**115**	**1930**	**101**	**90.9**	**112**	**163**	**143**	**155**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-52I*	*MW-52I*	*MW-52I*	*MW-52I*	*MW-52I*	*MW-52I*	*MW-52I*	*MW-52I*	*MW-52D*
Sample ID:		*14737-011309-16*	*14737-011309-17*	*14737-040909-35*	*14737-071609-29*	*14737-102009-48*	*14737-011410-46*	*14737-042210-27*	*14737-100710-42*	*14737-011007-42*
Sample Date:		*1/13/2009*	*1/13/2009*	*4/9/2009*	*7/16/2009*	*10/20/2009*	*1/14/2010*	*4/22/2010*	*10/7/2010*	*1/10/2007*
			Duplicate							
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	**11**	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	22	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	2.1	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	28	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	10 U	10 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	1.9 U	1.9 U	1.9 U	-	-	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U	-	-	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	9.0	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.27 J	1.0 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	0.4 U
Total VOCs	µg/L	ND	ND	72.1	ND	ND	ND	0.27	ND	ND
Metals										
Arsenic	µg/L	1.61 U	1.82 U	2.18 U	2.5 U	2.5 U	2.5 U	-	2.5 U	2.4 U
Manganese	µg/L	**118**	**119**	**130**	**114**	**110**	**102**	**108**	**131**	33.2

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-52D*	*MW-52D*	*MW-52D*	*MW-52D*	*MW-52D*	*MW-52D*	*MW-52D*	*MW-52D*	*MW-52D*
Sample ID:		*14737-041307-42*	*14737-071107-32*	*14737-100907-10*	*14737-011408-07*	*14737-041108-40*	*14737-071008-49*	*14737-100808-34*	*14737-011309-19*	*14737-040909-34*
Sample Date:		*4/13/2007*	*7/11/2007*	*10/9/2007*	*1/14/2008*	*4/11/2008*	*7/10/2008*	*10/8/2008*	*1/13/2009*	*4/9/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	1.1 J	0.615 J	1.01 J	1.42 J	1.16 U	2.37 U
Manganese	µg/L	33.7	40.8	36.2	44.8	35	38.3	40.9	40.6	45.0

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-52D*	*MW-52D*	*MW-52D*	*MW-52D*	*MW-52D*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*
Sample ID:		*14737-071609-28*	*14737-102009-47*	*14737-011410-47*	*14737-042210-26*	*14737-100610-28*	*14737-010507-15*	*14737-021507-14*	*14737-021507-15*	*14737-031507-22*
Sample Date:		*7/16/2009*	*10/20/2009*	*1/14/2010*	*4/22/2010*	*10/6/2010*	*1/5/2007*	*2/15/2007*	*2/15/2007*	*3/15/2007*
									Duplicate	
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.8 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.7 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.4 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	1.2	0.8	0.8	0.5 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.9 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	3.9	3.8	3.4	2.2
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	3.4	3.4	3.1	2.9
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.5 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U	4.7	4.1	3.8	3.5
1,4-Dichlorobenzene	µg/L	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	7.9	7.7	6.9	8.6
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	10 U	10 U	0.7 U	0.7 U	0.7 U	1.5 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	3.0 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 U	-	-	6.6 U	6.6 U	6.6 U	13 U
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	-	-	3.1 U	3.1 U	3.1 U	6.2 U
Benzene	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	**55**	**44**	**40**	**180**
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.5 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.4 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.9 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.7 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	8.1	12	11	17
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	2.1	2.2	2.0	2.8
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.4 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.9 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.6 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.3 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	4.3	3.7	3.6	2.8
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.5 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.6 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4	0.4 U	0.8 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.7 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.8 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.8 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.4	0.3 U	0.3 U	0.6 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	1.0	0.9	0.9	1.0
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.3 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.7 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.5 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.44	3.0 U	3.0 U	3.7	1.6	1.7	1.5
Total VOCs	µg/L	ND	ND	0.44	ND	ND	95.7	84.6	77.2	222.3
Metals										
Arsenic	µg/L	2.5 U	2.5 U	2.5 U	-	2.5 U	2.4 U	3.0 J	2.4 U	2.4 U
Manganese	µg/L	41.2	43.0	39.4	39.3	39.9	**341**	**362**	**390**	**454**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*
Sample ID:		*14737-041707-45*	*14737-050807-13*	*14737-061107-07*	*14737-071207-45*	*14737-080707-07*	*14737-091107-09*	*14737-101507-35*	*14737-111607-08*
Sample Date:		*4/17/2007*	*5/8/2007*	*6/11/2007*	*7/12/2007*	*8/7/2007*	*9/11/2007*	*10/15/2007*	*11/16/2007*
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.8	0.8	0.6	0.4	0.4	0.4	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.9 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	4.8	3.3	2.9	0.5 U	1.4	2.3	3.2	4.3
1,2-Dichlorobenzene	µg/L	4.6	3.8	4.3	4.1	3.4	3.5	3.2	2.6
1,2-Dichloroethane	µg/L	0.3 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	4.1	4.3	5.2	5.0	4.4	5.1	4.9	3.8
1,4-Dichlorobenzene	µg/L	12	7.0	5.4	5.1	3.9	2.6	2.8	6.5
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	1.5 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	3.2	3.0 U	5.0	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	13 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	6.2 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**140**	**160**	**79**	**180**	**95**	**58**	**57**	**63**
Bromodichloromethane	µg/L	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.7 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	19	16	12	18	16	6.1	6.2	12
Chloroethane	µg/L	3.5	**7.6**	**5.8**	**6.6**	**6.0**	2.8	2.2	1.5
Chloroform (Trichloromethane)	µg/L	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.9 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.3 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	4.2	6.2	3.5	5.4	4.5	2.4	1.5	1.7
Dibromochloromethane	µg/L	0.3 U	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.8 U	0.4	0.6	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.2	1.2	0.8	0.9	0.8	0.5	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.7 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7
Vinyl chloride	µg/L	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.9	4.8	4.2	6.0	5.0	2.6	2.4	0.8
Total VOCs	µg/L	198.3	215	129.1	232.1	140.8	86.3	83.4	96.9
Metals									
Arsenic	µg/L	2.8 U	2.8 U	2.8 J	2.8 U	2.8 U	2.8 U	2.8 U	2.2 J
Manganese	µg/L	**416**	**466**	**438**	**413**	**383**	**328**	**288**	**289**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*
Sample ID:		*GW-14737-121107-02*	*GW-14737-121107-03*	*14737-011408-13*	*14737-021108-10*	*14737-031108-22*	*14737-041408-51*	*14737-050508-12*	*14737-061108-23*
Sample Date:		*12/11/2007*	*12/11/2007*	*1/14/2008*	*2/11/2008*	*3/11/2008*	*4/14/2008*	*5/5/2008*	*6/11/2008*
			Duplicate						
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.4	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	5.0	4.8	3.4	6.1	5.2	**22**	7.8	**18**
1,2-Dichlorobenzene	µg/L	2.9	3.1	2.7	3.3	4.9	4.6	6.3	6.3
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3	0.6	0.7
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	5.3	5.3	5.6	6.7	8.9	7.6	10	12
1,4-Dichlorobenzene	µg/L	1.8	2.2	1.0	1.0	8.5	2.1	2.0	5.4
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	4.7	4.9	1.5 U	7.8	8.1	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	**6.6 J**	**14 J**	**13**	**24**	**90**	1.0	**5.5**	**3.9**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	3.8	5.0	2.6	3.2	28	6.6	5.2	13
Chloroethane	µg/L	2.6	2.7	2.1	4.0	**6.7**	3.1	3.2	3.6
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.3	0.5	0.6	1.1
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.4	1.7	0.6 U	2.2	6.4	1.9	1.3	2.0
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4	0.6	4.9	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8	**1.2**
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.4	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.7	0.4 U	0.4 U	0.6	0.4 U	0.4 U	0.4
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	**1.6**	**1.9**	**1.1**	**2.2**	**3.8**	**2.4**	**5.5**	**4.8**
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
Xylenes (total)	µg/L	0.4	0.5	1.3	0.8	1.0	0.9	2.3	0.8
Total VOCs	µg/L	36.5	47.1	33.2	61.9	178.7	53	51.1	73.5
Metals									
Arsenic	µg/L	1.6 J	1.5 J	1.36 J	2.59	1.71 J	1.33 J	1.2 J	1.31 J
Manganese	µg/L	**266**	**285**	**291**	**279**	**323**	**336**	**343**	**284**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*
Sample ID:		*14737-071008-44*	*14737-080408-06*	*14737-090908-19*	*14737-100808-32*	*14737-110308-09*	*14737-120808-10*	*14737-011309-08*	*14737-020409-15*	*14737-031009-16*
Sample Date:		*7/10/2008*	*8/4/2008*	*9/9/2008*	*10/8/2008*	*11/3/2008*	*12/8/2008*	*1/13/2009*	*2/4/2009*	*3/10/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.7	0.8	1.2	2.1	1.2	0.5 U	1.6	1.2
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	8.6	7.2	2.4	3.0	2.5	1.8	4.0	4.0	1.9
1,2-Dichlorobenzene	µg/L	3.0	1.7	0.7	1.4	8.2	1.7	6.0	2.6	4.8
1,2-Dichloroethane	µg/L	1.1	1.0	0.9	1.4	**2.8**	0.3 U	0.5 U	1.1	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.6	0.8	0.5 U	**2.0**	1.0	1.0 U	**2.4**	**1.4**
1,3-Dichlorobenzene	µg/L	11	8.1	5.7	6.4	12	4.8	8.0	4.4	6.8
1,4-Dichlorobenzene	µg/L	6.5	5.8	3.0	6.4	64	9.7	48	15	24
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1.5 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	1.5 U	5.3
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	13 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	6.2 U	3.1 U	3.1 U
Benzene	µg/L	**4.7**	**2.4**	**3.7**	**7.4**	**22**	**1.1**	**11**	**3.6**	**6.5**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	0.3 U
Chlorobenzene	µg/L	12	11	6.7	15	**120**	21	**120**	36	**78**
Chloroethane	µg/L	2.2	2.4	2.6	4.8	**18**	3.4	**8.8**	3.8	**5.7**
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.9	0.7	0.7	1.0	4.8	1.1	4.7	3.2	2.1
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.3	0.6 U	0.6	0.6 U	11	1.6	6.1	3.8	3.6
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.5	0.4 U	0.8 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.7	0.4 U	0.8 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**2.5**	**3.5**	**4.0**	**4.4**	**2.5**	**2.6**	0.8 U	**1.3**	**1.2**
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.9	0.3 U	0.6 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4	0.4 U	0.4 U	0.5	1.7	0.4 U	0.8 U	0.4 U	0.4
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U
Trichloroethene	µg/L	**5.8**	**6.5**	**7.8**	**8.4**	**4.2**	**5.9**	**4.3**	**9.0**	**4.2**
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	**3.9**	0.2 U	**2.5**	**1.8**	**1.2**
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.4 U	0.6
Total VOCs	µg/L	60	51.6	40.4	61.3	283.8	56.9	223.4	93.6	148.9
Metals										
Arsenic	µg/L	1.13 J	0.930 J	0.377 J	0.542 J	1.13	1.53 U	2.82	1.24 U	1.78 U
Manganese	µg/L	**250**	**235**	**173**	**251**	**303**	**285**	**376**	**226**	**248**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*
Sample ID:		*14737-040809-15*	*14737-050709-20*	*14737-060209-6*	*14737-072009-51*
Sample Date:		*4/8/2009*	*5/7/2009*	*6/2/2009*	*7/20/2009*
Parameter	***Units***				
Volatiles					
1,1,1-Trichloroethane	µg/L	0.4 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.44 U	0.64	0.54
1,2-Dichlorobenzene	µg/L	0.5 U	1.4	2.7	3.0
1,2-Dichloroethane	µg/L	0.3 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.8	2.0	3.6	3.7
1,4-Dichlorobenzene	µg/L	0.7	5.6	12	13
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	4.4 U	-	-
Acrolein	µg/L	6.6 U	1.9 U	1.9 UJ	1.9 U
Acrylonitrile	µg/L	3.1 U	-	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.79	**1.2**	**2.2**
Bromodichloromethane	µg/L	0.2 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	3.0	21	49	**54**
Chloroethane	µg/L	0.4 U	1.3	2.1	3.3
Chloroform (Trichloromethane)	µg/L	0.2 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.67	0.87	0.95
cis-1,3-Dichloropropene	µg/L	0.1 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.13 U	0.13 U	0.38
Dibromochloromethane	µg/L	0.3 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.29 U	0.29 UJ	0.29 U
Ethylbenzene	µg/L	0.4 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.20 U	0.20 U	0.45
Toluene	µg/L	0.3 U	0.090 U	0.090 U	0.24
trans-1,2-Dichloroethene	µg/L	0.4 U	0.14 U	0.41	0.39
trans-1,3-Dichloropropene	µg/L	0.2 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	**3.5**	**4.2**	**6.0**	**6.4**
Vinyl chloride	µg/L	0.2 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	8.3	36.96	78.52	88.55
Metals					
Arsenic	µg/L	1.84 U	2.5 U	2.5 U	3.0
Manganese	µg/L	**53.1**	**81.2**	**147**	**156**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*	*MW-53S*
Sample ID:		*14737-080709-22*	*14737-091809-08*	*14737-101409-40*	*14737-111009-24*	*14737-121709-22*	*14737-011410-51*	*14737-021210-15*	*14737-042110-23*	*14737-071610-19*
Sample Date:		*8/7/2009*	*9/18/2009*	*10/14/2009*	*11/10/2009*	*12/17/2009*	*1/14/2010*	*2/12/2010*	*4/21/2010*	*7/16/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	3.9
1,2-Dichlorobenzene	µg/L	3.1	4.0	0.69	0.31	1.1	0.50	3.1	0.40	2.3
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U
1,3-Dichlorobenzene	µg/L	3.7	6.1	0.97	0.64	1.6	1.1	3.8	0.67	4.1
1,4-Dichlorobenzene	µg/L	13	13	1.5	0.68	2.7	1.5	9.7	1.5	39
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	-	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-	-
Benzene	µg/L	**21**	**38**	**7.8**	**1.1**	**1.2**	0.13 U	**1.7**	**3.7**	**44**
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U
Chlorobenzene	µg/L	**58**	**67**	13	7.5	17	4.2	**65**	5.6	39
Chloroethane	µg/L	3.6	3.2	0.45 U	0.83	0.87	0.51	2.8	0.45 U	2.9
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.99	0.86 J	0.59	0.80	0.87	0.58	0.52	0.81	3.7
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U
Cyclohexane	µg/L	0.56	0.99 J	0.13 U	0.13 U	0.13 U	0.13 U	0.25	0.13 U	1.2
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.28 J
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.41	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U
Toluene	µg/L	0.090 U	0.25 J	0.090 U	0.090 U	0.090 U	0.090 U	0.21	0.090 U	0.62 J
trans-1,2-Dichloroethene	µg/L	0.14 U	0.31 J	0.14 U	0.14 U	0.36	0.21	0.74	0.20	1.2
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U
Trichloroethene	µg/L	**5.3**	**3.0**	**2.0**	**1.5**	**2.5**	**1.5**	0.49	0.74	**4.7**
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.88 J
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.49 J
Total VOCs	µg/L	109.66	136.71	26.55	13.36	28.2	10.1	88.31	13.62	148.27
Metals										
Arsenic	µg/L	2.5 U	2.8	2.5 U	10.0 U	2.5 U	2.5 U	2.5 U	-	2.5 U
Manganese	µg/L	**129**	**261**	**78.6**	**67.0**	**264**	**118**	**592**	**395**	**648**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53S*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*
Sample ID:		*14737-100810-45*	*14737-010507-14*	*14737-021507-16*	*14737-031507-23*	*14737-041707-44*	*14737-050807-12*	*14737-061107-05*	*14737-061107-06*	*14737-071207-44*
Sample Date:		*10/8/2010*	*1/5/2007*	*2/15/2007*	*3/15/2007*	*4/17/2007*	*5/8/2007*	*6/11/2007*	*6/11/2007*	*7/12/2007*
									Duplicate	
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	1.9 U	0.8 U	0.8 U	0.8 U	0.8 U	1.9 U	1.9 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.8 U	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	1.8 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.1 U	0.4 U	0.4 U	0.4 U	0.4 U	1.1 U	1.1 U	0.2 U
1,1-Dichloroethane	µg/L	0.32 J	1.3 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3 U	1.3 U	0.4
1,1-Dichloroethene	µg/L	1.0 U	2.3 U	0.9 U	0.9 U	0.9 U	0.9 U	2.3 U	2.3 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	**25**	**390**	**370**	**210**	**300**	**240**	**230**	**220**	0.5 U
1,2-Dichlorobenzene	µg/L	2.2	2.6 U	1.4	1.0 U	1.0 U	1.0 U	2.6 U	2.6 U	0.9
1,2-Dichloroethane	µg/L	1.0 U	1.4 U	0.5 U	0.5 U	0.5 U	0.5 U	1.4 U	1.4 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	2.4 U	1.0 U	1.0 U	1.0 U	1.0 U	2.4 U	2.4 U	0.5 U
1,3-Dichlorobenzene	µg/L	5.9	22	16	9.6	9.2	11	13	12	11
1,4-Dichlorobenzene	µg/L	32	74	60	31	30	31	39	36	37
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	3.6 U	1.5 U	1.5 U	1.5 U	1.5 U	3.6 U	3.6 U	0.7 U
Acetone	µg/L	10 U	7.6 U	3.0 U	3.0 U	3.0 U	3.0 U	7.6 U	7.6 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	33 U	13 U	13 U	13 U	13 U	33 U	33 U	6.6 U
Acrylonitrile	µg/L	-	16 U	6.2 U	6.2 U	6.2 U	6.2 U	16 U	16 U	3.1 U
Benzene	µg/L	**2.7**	**4.5**	0.9	0.5 U	1.0	1.0	**2.1**	**2.0**	**2.0**
Bromodichloromethane	µg/L	1.0 U	1.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	1.2 U	0.2 U
Bromoform	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	2.2 U	0.9 U	0.9 U	0.9 U	0.9 U	2.2 U	2.2 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	1.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1.7 U	1.7 U	0.3 U
Chlorobenzene	µg/L	14	1.2 U	0.5 U	0.5 U	0.5	0.5 U	1.2 U	1.2 U	0.5
Chloroethane	µg/L	0.81 J	2.2 U	0.9 U	0.9 U	1.1	0.9 U	2.2 U	2.2 U	2.5
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	2.2 U	0.9 U	0.9 U	0.9 U	0.9 U	2.2 U	2.2 U	0.4 U
cis-1,2-Dichloroethene	µg/L	8.8	1.4 U	1.0	0.6 U	0.6 U	0.6 U	1.4 U	1.4 U	0.4
cis-1,3-Dichloropropene	µg/L	1.0 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.6 U	0.1 U
Cyclohexane	µg/L	3.4	3.0 U	1.2 U	1.2 U	1.2 U	1.2 U	3.0 U	3.0 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	1.4 U	0.5 U	0.5 U	0.5 U	0.5 U	1.4 U	1.4 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1.6 U	1.6 U	0.3 U
Ethylbenzene	µg/L	1.0 U	2.0 U	0.8 U	0.8 U	0.8 U	0.8 U	2.0 U	2.0 U	0.4 U
Hexane	µg/L	1.0 U	1.8 U	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	1.8 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	2.0 U	0.8 U	0.8 U	0.8 U	0.8 U	2.0 U	2.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	2.1 U	0.8 U	0.8 U	0.8 U	0.8 U	2.1 U	2.1 U	0.4 U
Toluene	µg/L	0.33 J	1.5 U	0.6 U	0.6 U	0.6 U	0.6 U	1.5 U	1.5 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.9	2.0 U	0.8 U	0.8 U	0.8 U	0.8 U	2.0 U	2.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	0.8 U	0.3 U	0.3 U	0.3 U	0.3 U	0.8 U	0.8 U	0.2 U
Trichloroethene	µg/L	**27**	1.8 U	0.7 U	0.7 U	0.7 U	0.7 U	1.8 U	1.8 U	0.4 U
Vinyl chloride	µg/L	**1.4**	1.2 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 U	1.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	2.0 U	0.8 U	0.8 U	0.8 U	0.8 U	2.0 U	2.0 U	0.4 U
Total VOCs	µg/L	125.76	490.5	449.3	250.6	341.8	283	284.1	270	54.7
Metals										
Arsenic	µg/L	2.5 U	2.4 U	2.4 U	2.4 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Manganese	µg/L	**449**	**182**	**180**	**229**	**229**	**246**	**319**	**315**	**297**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*
Sample ID:		*14737-080707-05*	*14737-080707-06*	*14737-091107-10*	*14737-101507-34*	*14737-111607-10*	*GW-14737-121107-01*	*14737-011408-12*	*14737-021108-09*
Sample Date:		*8/7/2007*	*8/7/2007*	*9/11/2007*	*10/15/2007*	*11/16/2007*	*12/11/2007*	*1/14/2008*	*2/11/2008*
			Duplicate						
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.7 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.3 U	0.6
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.9 U	0.9 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	**180**	**180**	**100**	**170**	**280**	**130**	**120**	**110**
1,2-Dichlorobenzene	µg/L	0.5	0.5	14	0.5 U	1.0 U	1.0 U	0.5	0.6
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	7.6	7.4	5.7	4.9	4.5	2.5	5.6	6.8
1,4-Dichlorobenzene	µg/L	22	21	13	8.0	7.4	7.2	18	22
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	1.5 U	1.5 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	3.0 U	3.0 U	1.5 U	6.2
Acetonitrile	µg/L	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	13 U	13 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	6.2 U	6.2 U	3.1 U	3.1 U
Benzene	µg/L	**1.2**	**1.2**	0.7	**1.4**	**1.7**	**2.2**	**3.9**	**6.4**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.9 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.7 U	0.7 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.3	0.3	0.2 U	0.5	0.8	1.6	1.9	3.2
Chloroethane	µg/L	2.7	2.6	1.2	0.4 U	0.9 U	2.1	2.3	4.1
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.9 U	0.9 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.4	0.4	0.4	0.3 U	0.6 U	0.6 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.3 U	0.3 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	1.2 U	1.2 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.6 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.7 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.6 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.7 U	0.7 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U
Total VOCs	µg/L	214.7	213.4	135	184.8	294.4	145.6	152.2	159.9
Metals									
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	2.8 U	0.96 U	1.3 J	0.528 J	0.726 J
Manganese	µg/L	**313**	**317**	**209**	**296**	**330**	**308**	**363**	**429**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*
Sample ID:		*14737-041408-50*	*14737-050508-13*	*14737-061108-22*	*14737-071008-43*	*14737-080408-05*	*14737-090908-18*	*14737-100808-31*	*14737-110308-08*	*14737-120808-09*
Sample Date:		*4/14/2008*	*5/5/2008*	*6/11/2008*	*7/10/2008*	*8/4/2008*	*9/9/2008*	*10/8/2008*	*11/3/2008*	*12/8/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.6	0.7	0.7	0.8	0.6	0.5	0.6	0.3 U	0.3
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	96	150	70	1.8	0.6	0.8	0.9	2.3	1.2
1,2-Dichlorobenzene	µg/L	0.8	1.2	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	3.0	3.6	2.3	0.5	0.5	0.4	0.6	0.7	0.4
1,4-Dichlorobenzene	µg/L	22	26	15	1.7	0.9	0.7	0.6	1.1	1.2
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	32	12	1.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	11	8.7	3.6	0.7	0.3	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	3.6	3.1	2.7	1.6	1.4	1.1	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.7	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.5	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	170.9	205.7	96.2	7.1	4.3	3.5	2.7	4.1	3.1
Metals										
Arsenic	µg/L	0.9 J	1.08 J	0.438 U	1.22 J	0.434 U	0.394 J	0.457 J	0.097 U	0.770 U
Manganese	µg/L	502	570	480	477	338	328	368	400	367

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*
Sample ID:		*14737-011309-07*	*14737-020409-16*	*14737-031009-15*	*14737-040809-14*	*14737-050709-21*	*14737-060209-5*	*14737-072009-50*	*14737-080709-21*	*14737-091809-09*
Sample Date:		*1/13/2009*	*2/4/2009*	*3/10/2009*	*4/8/2009*	*5/7/2009*	*6/2/2009*	*7/20/2009*	*8/7/2009*	*9/18/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.5	0.48	0.35	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	1.0	1.0	1.0	1.0	1.7	1.8	1.1	0.90	0.44 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4	0.5	0.4	0.4 U	0.34	0.22 U	0.35	0.22 U	0.22 U
1,4-Dichlorobenzene	µg/L	0.9	1.2	0.5	0.6	0.81	0.75	0.68	0.15 U	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.80	0.68 U
Acetone	µg/L	1.5 U	1.5 U	5.6	1.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	4.4 U	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.3	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	1.1	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.8	0.4 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	2.3	4.1	8.3	2.1	3.33	2.9	2.13	1.7	ND
Metals										
Arsenic	µg/L	1.03 U	1.26 U	0.984 U	1.42 U	2.5 U	2.5 U	2.5 U	**3.1**	3.0
Manganese	µg/L	**392**	**384**	**366**	**430**	**426**	**389**	**423**	21.8	30.9

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53I*	*MW-53D*
Sample ID:		*14737-101409-38*	*14737-111009-22*	*14737-121709-24*	*14737-011410-49*	*14737-021210-16*	*14737-042110-24*	*14737-071610-20*	*14737-100810-44*	*14737-031507-21*
Sample Date:		*10/14/2009*	*11/10/2009*	*12/17/2009*	*1/14/2010*	*2/12/2010*	*4/21/2010*	*7/16/2010*	*10/8/2010*	*3/15/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	0.10 U	0.41	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.64	0.44 U	0.57	0.92	0.74	0.44 U	1.0 U	1.0 U	1.3
1,2-Dichlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.5 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	0.3 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U	0.7 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	-	-	-	6.6 U
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-	-	-	3.1 U
Benzene	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U
Chlorobenzene	µg/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.2 U
Chloroethane	µg/L	0.45 U	1.4	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.4 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U
Trichloroethene	µg/L	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U	0.4 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	0.4 U
Total VOCs	µg/L	0.64	1.81	0.57	0.92	0.74	ND	ND	ND	1.3
Metals										
Arsenic	µg/L	2.5 U	20.0 U	2.5 U	2.5 U	2.5 U	-	**8.1**	2.5 U	2.4 U
Manganese	µg/L	**308**	**470**	37.6	42.5	**72.8**	**233**	26.4	**68.7**	**135**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*
Sample ID:		*14737-041707-43*	*14737-050807-10*	*14737-050807-11*	*14737-061107-04*	*14737-071207-43*	*14737-080707-04*	*14737-091107-07*	*14737-091107-08*	*14737-101507-32*
Sample Date:		*4/17/2007*	*5/8/2007*	*5/8/2007*	*6/11/2007*	*7/12/2007*	*8/7/2007*	*9/11/2007*	*9/11/2007*	*10/15/2007*
				Duplicate					*Duplicate*	
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.2	1.6	0.5 U	1.2	0.5 U	0.6	0.8	0.9	0.9
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.5	0.4	0.6	0.4	0.4	0.4	0.5	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.3	0.6	0.6	0.3
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	1.2	2.1	0.4	1.8	0.7	1.3	1.8	2	1.2
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Manganese	µg/L	**130**	**126**	**135**	**128**	**146**	**147**	**168**	**166**	**175**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*
Sample ID:		*14737-101507-33*	*14737-111607-09*	*GW-14737-121107-04*	*14737-011408-10*	*14737-011408-11*	*14737-021108-08*	*14737-031108-21*	*14737-041408-49*	*14737-050508-10*
Sample Date:		*10/15/2007*	*11/16/2007*	*12/11/2007*	*1/14/2008*	*1/14/2008*	*2/11/2008*	*3/11/2008*	*4/14/2008*	*5/5/2008*
		Duplicate				*Duplicate*				
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.9	0.7	0.8	0.7	0.8	0.8	0.5 U	0.5 U	1.4
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.8	0.7	0.7	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.3	0.3	0.4	0.5	0.5	0.8	0.7	0.8	0.7
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	1.2	1	1.2	2	2	2.3	0.7	0.8	2.1
Metals										
Arsenic	µg/L	2.8 U	0.45 U	0.46 U	0.393 J	0.36 J	0.308 U	0.323 U	0.255 J	0.248 U
Manganese	µg/L	**177**	**170**	**165**	**168**	**160**	**148**	**139**	**132**	**126**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*
Sample ID:		*14737-050508-11*	*14737-061108-21*	*14737-071008-45*	*14737-080408-07*	*14737-090908-20*	*14737-100808-33*	*14737-110308-10*	*14737-120808-11*	*14737-011309-09*
Sample Date:		*5/5/2008*	*6/11/2008*	*7/10/2008*	*8/4/2008*	*9/9/2008*	*10/8/2008*	*11/3/2008*	*12/8/2008*	*1/13/2009*
		Duplicate								
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	3.0	1.5	1.7	1.0	1.4	1.6	1.9	1.0
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.7	0.6	0.5
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.7	0.7	1.0	**1.7**	**1.7**	**1.8**	**1.7**	**1.3**	**1.2**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.7	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.7	4.8	2.5	3.4	2.7	3.2	4	3.8	2.7
Metals										
Arsenic	µg/L	0.284 U	0.182 U	0.352 J	0.569 U	0.598 J	0.426 J	0.123	0.716 U	1.16 U
Manganese	µg/L	**124**	**122**	**118**	**120**	**111**	**112**	**113**	**116**	**117**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*
Sample ID:		*14737-020409-14*	*14737-031009-14*	*14737-040809-16*	*14737-040809-17*	*14737-050709-22*	*14737-060209-7*	*14737-072009-49*	*14737-080709-24*
Sample Date:		*2/4/2009*	*3/10/2009*	*4/8/2009*	*4/8/2009*	*5/7/2009*	*6/2/2009*	*7/20/2009*	*8/7/2009*
					Duplicate				
Parameter	*Units*								
Volatiles									
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.8	0.5 U	1.4	1.4	2.3	2.0	2.6	1.2
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.16 U	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.22 U	0.22 U	0.22 U	0.22 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.64	0.74	1.1	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	4.4 U	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 UJ	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	-	0.30 U	0.30 U	0.30 U
Benzene	µg/L	**1.4**	0.9	**1.1**	1.0	**1.8**	**1.8**	**1.1**	**1.3**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 UJ	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.9	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	2.2	1.8	2.5	2.4	4.74	4.54	4.8	2.5
Metals									
Arsenic	µg/L	0.970 U	1.45 U	0.974 U	1.53 U	2.5 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	**115**	**126**	**123**	**124**	**119**	**138**	**140**	**135**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*	*MW-53D*
Sample ID:		*14737-091809-07*	*14737-101409-39*	*14737-111009-23*	*14737-121709-23*	*14737-011410-50*	*14737-021210-14*	*14737-042110-25*	*14737-071610-18*	*14737-100810-46*
Sample Date:		*9/18/2009*	*10/14/2009*	*11/10/2009*	*12/17/2009*	*1/14/2010*	*2/12/2010*	*4/21/2010*	*7/16/2010*	*10/8/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0	1.1	1.4	1.4	0.44 U	0.94	0.44 U	0.62 J	1.0 U
1,2-Dichlorobenzene	µg/L	0.50 J	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.4	0.95	1.3	1.4	0.15 U	0.72	0.29	0.42 J	0.80 J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	10 U
Acetone	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	-	-	-
Acrylonitrile	µg/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	-	-	-
Benzene	µg/L	**1.4**	**1.4**	**1.5**	**1.7**	**1.5**	**1.1**	0.81	0.82 J	**3.0**
Bromodichloromethane	µg/L	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U
Bromoform	µg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
Chlorobenzene	µg/L	3.8	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	0.32 J
Chloroethane	µg/L	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.36 J
Hexane	µg/L	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U
Toluene	µg/L	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.22 J	0.18 U	0.18 U	0.20	0.18 U	0.20	0.18 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U
Xylenes (total)	µg/L	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	1.9 J
Total VOCs	µg/L	8.32	3.45	4.2	4.7	1.5	2.96	1.1	1.86	6.38
Metals										
Arsenic	µg/L	2.5 U	2.5 U	10.0 U	2.5 U	2.5 U	2.5 U	-	3.0	**6.2**
Manganese	µg/L	**142**	**148**	**153**	**158**	**144**	**142**	**254**	**308**	**442**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-54S*	*MW-54S*	*MW-54S*	*MW-54S*	*MW-54S*	*MW-54S*	*MW-54S*	*MW-54S*	*MW-54S*
Sample ID:		*14737-010907-34*	*14737-041007-13*	*14737-070907-01*	*14737-101007-15*	*14737-101007-16*	*14737-011508-20*	*14737-041408-47*	*14737-070708-07*	*14737-100608-06*
Sample Date:		*1/9/2007*	*4/10/2007*	*7/9/2007*	*10/10/2007*	*10/10/2007*	*1/15/2008*	*4/14/2008*	*7/7/2008*	*10/6/2008*
						Duplicate				
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.6	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	6.0	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	6	ND	ND	ND	ND	0.6	ND
Metals										
Arsenic	µg/L	2.4 U	2.8 U	2.8 U	2.8 U	2.8 U	1.81 J	2.49 J	2.21 J	1.01 J
Manganese	µg/L	21.2	18.7	19.6	18.6	19.1	19.7	39.8	18.0	14.7

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-54S*	*MW-54S*	*MW-54S*	*MW-54S*	*MW-54S*	*MW-54S*	*MW-54S*	*MW-54S*	*MW-54I*
Sample ID:		*14737-011209-06*	*14737-040909-38*	*14737-071309-02*	*14737-101209-03*	*14737-011110-03*	*14737-041910-15*	*14737-041910-16*	*14737-100510-11*	*14737-010907-33*
Sample Date:		*1/12/2009*	*4/9/2009*	*7/13/2009*	*10/12/2009*	*1/11/2010*	*4/19/2010*	*4/19/2010*	*10/5/2010*	*1/9/2007*
								Duplicate		
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	9.8	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	8.5	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.76	0.22 U	0.22 U	0.22 U	0.22 U	1.0 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	5.2	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	1.9 U	1.9 U	1.9 U	-	-	-	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U	-	-	-	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.0 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	0.38	0.33	1.0 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	0.97	0.90	3.0 U	0.4 U
Total VOCs	µg/L	ND	ND	24.26	ND	ND	1.35	1.23	ND	ND
Metals										
Arsenic	µg/L	2.44 U	2.24 U	2.5 U	2.5 U	2.5 U	-	-	2.5 U	2.4 U
Manganese	µg/L	17.2	13.3	12.3	10.0 U	29.2	10.9	13.6	10.0 U	334

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-54I*	*MW-54I*	*MW-54I*	*MW-54I*	*MW-54I*	*MW-54I*	*MW-54I*	*MW-54I*	*MW-54I*
Sample ID:		*14737-041007-12*	*14737-070907-03*	*14737-101007-14*	*14737-011508-19*	*14737-041408-46*	*14737-070708-05*	*14737-070708-06*	*14737-100608-05*	*14737-011209-05*
Sample Date:		*4/10/2007*	*7/9/2007*	*10/10/2007*	*1/15/2008*	*4/14/2008*	*7/7/2008*	*7/7/2008*	*10/6/2008*	*1/12/2009*
								Duplicate		
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3	0.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.4	3.5	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	14	10	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.4	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.4	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	21	16	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6.3	4.6	0.2 U	0.2 U
Chloroethane	µg/L	0.7	0.7	0.4 U	0.4 U	0.4 U	0.4 U	0.6	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.2	2.0	1.4	0.3 U	0.3 U	1.4	1.4	2.3	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	2.2	3.5	1.4	ND	ND	48.5	36.1	2.3	ND
Metals										
Arsenic	µg/L	2.8 U	2.8 U	2.8 U	2.02 J	**6.31**	0.818 J	0.945 J	0.774 J	2.83
Manganese	µg/L	**195**	**210**	**165**	**129**	**140**	**127**	**127**	**268**	**313**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-54I*	*MW-54I*	*MW-54I*	*MW-54I*	*MW-54I*	*MW-54I*	*MW-54D*	*MW-54D*	*MW-54D*
Sample ID:		*14737-040909-37*	*14737-071309-03*	*14737-101209-02*	*14737-011110-02*	*14737-041910-14*	*14737-100510-10*	*14737-010907-32*	*14737-041007-11*	*14737-070907-02*
Sample Date:		*4/9/2009*	*7/13/2009*	*10/12/2009*	*1/11/2010*	*4/19/2010*	*10/5/2010*	*1/9/2007*	*4/10/2007*	*7/9/2007*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.44 U	0.44 U	0.44 U	0.44 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.24 U	0.24 U	0.24 U	0.24 U	1.0 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.22 U	0.22 U	0.22 U	0.22 U	1.0 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.68 U	0.68 U	0.68 U	0.68 U	10 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	1.9 U	1.9 U	1.9 U	-	-	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	0.30 U	0.30 U	0.30 U	-	-	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	0.9	0.8	0.5
Bromodichloromethane	µg/L	0.2 U	0.093 U	0.093 U	0.093 U	0.093 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.10 U	0.10 U	0.10 U	0.10 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.31 U	0.31 U	0.31 U	0.31 U	1.0 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.16 U	0.16 U	0.16 U	0.16 U	1.0 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.45 U	0.45 U	0.45 U	0.45 U	1.0 U	0.4 U	0.8	0.5
Chloroform (Trichloromethane)	µg/L	0.2 U	0.15 U	0.15 U	0.15 U	0.15 U	1.0 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.21 U	0.21 U	0.21 U	0.21 U	1.0 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.11 U	0.11 U	0.11 U	0.11 U	1.0 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.5	2.2	0.29 U	0.29 U	0.29 U	1.0 U	5.5	4.8	8.2
Ethylbenzene	µg/L	0.4 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.33 U	0.33 U	0.33 U	0.33 U	1.0 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.19 U	0.19 U	0.19 U	0.19 U	1.0 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.090 U	0.090 U	0.090 U	0.090 U	1.0 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.14 U	0.14 U	0.14 U	0.14 U	1.0 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.12 U	0.12 U	0.12 U	0.12 U	1.0 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.18 U	0.18 U	0.18 U	0.18 U	1.0 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.13 U	0.13 U	0.13 U	0.13 U	1.0 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.43 U	0.43 U	0.43 U	0.43 U	3.0 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	1.5	2.2	ND	ND	ND	ND	6.4	6.4	9.2
Metals										
Arsenic	µg/L	1.96 U	2.5 U	2.5 U	2.5 U	-	2.5 U	2.4 U	2.8 U	2.8 U
Manganese	µg/L	114	32.6	18.4	16.6	20.8	13.2	13.1 J	19.0	20.2

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-54D*	*MW-54D*	*MW-54D*	*MW-54D*	*MW-54D*	*MW-54D*	*MW-54D*	*MW-54D*	*MW-54D*
Sample ID:		*14737-101007-13*	*14737-011508-18*	*14737-041408-48*	*14737-070708-04*	*14737-100608-04*	*14737-011209-04*	*14737-040909-39*	*14737-071309-01*	*14737-101209-01*
Sample Date:		*10/10/2007*	*1/15/2008*	*4/14/2008*	*7/7/2008*	*10/6/2008*	*1/12/2009*	*4/9/2009*	*7/13/2009*	*10/12/2009*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.22 U	0.22 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.15 U	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.30 U	0.30 U
Benzene	µg/L	0.6	0.7	0.5	0.2 U	0.2 U	0.3	0.3	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.7	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.5	5.3	0.3 U	2.1	6.0	0.3 U	1.7	1.8	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.20 U	0.20 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U
Total VOCs	µg/L	6.1	6.7	0.5	2.1	6	0.3	2	1.8	ND
Metals										
Arsenic	µg/L	2.8 U	1.5 J	0.997 J	2.29 J	1.70 J	1.40 U	2.40 U	2.5 U	2.5 U
Manganese	µg/L	24.5	33.8	40.2	42.9	34.5	23.0	26.2	25.4	15.8

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-54D*	*MW-54D*	*MW-54D*	*MW-55S*	*MW-55S*	*MW-55S*	*MW-55S*	*MW-55S*	*MW-55S*
Sample ID:		*14737-011110-01*	*14737-042710-38*	*14737-100410-09*	*14737-011007-40*	*14737-011007-41*	*14737-041107-18*	*14737-070907-10*	*14737-100907-09*	*14737-011508-17*
Sample Date:		*1/11/2010*	*4/27/2010*	*10/4/2010*	*1/10/2007*	*1/10/2007*	*4/11/2007*	*7/9/2007*	*10/9/2007*	*1/15/2008*
						Duplicate				
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.10 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.16 U	1.0 U	1.0 U	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.24 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.090 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.22 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.15 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	2.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	0.30 U	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.16 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.45 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.20 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.13 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.6	5.1	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.20 U	1.0 U	1.0 U	**4.1**	**2.4**	**2.3**	**3.1**	**1.2**	**1.5**
Toluene	µg/L	0.090 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.18 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.43 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	1.6	5.1	ND	4.1	2.4	2.9	3.1	1.2	1.5
Metals										
Arsenic	µg/L	2.5 U	-	2.5 U	2.4 U	2.4 U	2.8 U	2.8 U	2.8 U	2.5
Manganese	µg/L	19.2	19.1	19.7	**184**	**180**	**178**	**162**	**151**	**138**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-55S*	*MW-55S*	*MW-55S*	*MW-55S*	*MW-55S*	*MW-55S*	*MW-55S*	*MW-55S*	*MW-55S*
Sample ID:		*14737-040908-19*	*14737-071008-42*	*14737-100808-29*	*14737-100808-30*	*14737-011309-12*	*14737-040909-29*	*14737-071509-16*	*14737-071509-17*	*14737-101409-28*
Sample Date:		*4/9/2008*	*7/10/2008*	*10/8/2008*	*10/8/2008*	*1/13/2009*	*4/9/2009*	*7/15/2009*	*7/15/2009*	*10/14/2009*
					Duplicate				*Duplicate*	
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	2.1	0.5 U	0.5 U	0.5 U	0.5 U	0.44 U	0.44 U	0.44 U
1,2-Dichlorobenzene	µg/L	0.5 U	4.6	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.16 U	0.16 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4	0.4 U	0.4 U	0.4 U	0.4 U	0.22 U	0.22 U	0.22 U
1,4-Dichlorobenzene	µg/L	0.4 U	6.0	0.4 U	0.4 U	0.4 U	0.4 U	0.15 U	0.15 U	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 U	1.9 UJ
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U
Chlorobenzene	µg/L	0.2 U	1.0	0.2 U	0.2 U	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**3.0**	**3.7**	**4.8**	**5.1**	**5.4**	**3.3**	**2.3**	**2.2**	**4.4**
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.26	0.26	0.44
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U
Total VOCs	µg/L	3	17.8	4.8	5.4	5.4	3.3	2.56	2.46	4.84
Metals										
Arsenic	µg/L	1.06 J	1.39 J	0.384 J	0.604 J	0.844 U	0.976 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	**151**	**136**	**171**	**157**	**178**	**175**	**219**	**225**	**201**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-55S*	*MW-55S*	*MW-55S*	*MW-55I*	*MW-55I*	*MW-55I*	*MW-55I*	*MW-55I*	*MW-55I*
Sample ID:		*14737-011410-45*	*14737-042310-36*	*14737-100610-24*	*14737-011007-39*	*14737-041107-17*	*14737-070907-08*	*14737-100907-08*	*14737-011508-14*	*14737-011508-15*
Sample Date:		*1/14/2010*	*4/23/2010*	*10/6/2010*	*1/10/2007*	*4/11/2007*	*7/9/2007*	*10/9/2007*	*1/15/2008*	*1/15/2008*
										Duplicate
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.10 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.44 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.16 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.24 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.090 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.22 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.15 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.68 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	2.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	1.9 U	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	0.30 U	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.16 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.45 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.15 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.67	0.71 J	0.77 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.13 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.29 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	**7.3**	**4.8**	**3.9**	0.4 U	0.7	1.0	0.8	0.4 U	0.4 U
Toluene	µg/L	0.090 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.14 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.83	0.81 J	0.78 J	0.4 U	0.4 U	0.4	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.43 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	8.8	6.32	5.45	ND	0.7	1.4	0.8	ND	ND
Metals										
Arsenic	µg/L	2.5 U	-	2.5 U	2.4 U	2.8 U	2.8 U	2.8 U	**3.32**	**3.03**
Manganese	µg/L	**210**	**303**	**418**	**120**	**144**	**187**	**136**	**123**	**123**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-55I*	*MW-55I*	*MW-55I*	*MW-55I*	*MW-55I*	*MW-55I*	*MW-55I*	*MW-55I*	*MW-55I*
Sample ID:		*14737-040908-18*	*14737-071008-41*	*14737-100808-28*	*14737-011309-11*	*14737-040909-28*	*14737-071509-15*	*14737-101409-27*	*14737-011410-44*	*14737-042310-37*
Sample Date:		*4/9/2008*	*7/10/2008*	*10/8/2008*	*1/13/2009*	*4/9/2009*	*7/15/2009*	*10/14/2009*	*1/14/2010*	*4/23/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	**17**	8.2	0.44 U	0.44 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	32	6.0	0.16 U	0.16 U	1.0 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	3.2	0.58	0.22 U	0.22 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	42	3.6	0.15 U	0.15 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	10 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.9 U	1.9 UJ	1.9 U	-
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U	-
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	1.0 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	1.0 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	15	0.16 U	0.16 U	0.16 U	1.0 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	0.58 J
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	1.0 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	1.0 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.8	0.57	0.58	0.52	0.92 J
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	1.0 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	0.20 J
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	3.0 U
Total VOCs	µg/L	ND	ND	ND	ND	110	18.95	0.58	0.52	1.7
Metals										
Arsenic	µg/L	2.41 J	2.83	0.966 J	2.06 U	2.41 U	**4.7**	2.5 U	2.5 U	-
Manganese	µg/L	**105**	**89.6**	**119**	**154**	**165**	**150**	**130**	**124**	**178**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-55I*	*MW-55D*	*MW-55D*	*MW-55D*	*MW-55D*	*MW-55D*	*MW-55D*	*MW-55D*	*MW-55D*
Sample ID:		*14737-100610-25*	*14737-011007-38*	*14737-041107-16*	*14737-070907-09*	*14737-100907-07*	*14737-011508-16*	*14737-040908-17*	*14737-071008-40*	*14737-100808-27*
Sample Date:		*10/6/2010*	*1/10/2007*	*4/11/2007*	*7/9/2007*	*10/9/2007*	*1/15/2008*	*4/9/2008*	*7/10/2008*	*10/8/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2
1,2-Dichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.5 U	1.3
1,2-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.48 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	1.48	ND	ND	ND	ND	0.5	ND	ND	2.5
Metals										
Arsenic	µg/L	2.5 U	2.4 U	2.9 J	2.8 U	2.8 U	**3.91**	0.88 J	1.79 J	**4.07**
Manganese	µg/L	**159**	24.9	26.7	31.7	26.1	30.4	27.5	26.2	33.2

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-55D*	*MW-55D*	*MW-55D*	*MW-55D*	*MW-55D*	*MW-55D*	*MW-55D*	*MW-56S*	*MW-56S*
Sample ID:		*14737-011309-10*	*14737-040909-27*	*14737-071509-14*	*14737-101409-29*	*14737-011410-43*	*14737-042310-35*	*14737-100610-26*	*14737-1207-07*	*14737-031308-008*
Sample Date:		*1/13/2009*	*4/9/2009*	*7/15/2009*	*10/14/2009*	*1/14/2010*	*4/23/2010*	*10/6/2010*	*12/3/2007*	*3/13/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.44 U	0.44 U	0.44 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.24 U	0.24 U	0.24 U	1.0 U	1.0 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.22 U	0.22 U	0.22 U	1.0 U	1.0 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.68 U	0.68 U	0.68 U	10 U	10 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	2.5 U	2.5 U	2.5 U	10 U	10 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	1.9 U	1.9 UJ	1.9 U	-	-	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	0.30 U	0.30 U	0.30 U	-	-	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.093 U	0.093 U	0.093 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.10 U	0.10 U	0.10 U	1.0 U	1.0 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.31 U	0.31 U	0.31 U	1.0 U	1.0 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.16 U	0.16 U	0.16 U	1.0 U	1.0 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.45 U	0.45 U	0.45 U	1.0 U	1.0 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.15 U	0.15 U	0.15 U	1.0 U	1.0 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.21 U	0.21 U	0.21 U	1.0 U	1.0 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.11 U	0.11 U	0.11 U	1.0 U	1.0 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	1.0 U	1.0 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.25 U	0.25 U	0.25 U	1.0 U	1.0 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.33 U	0.33 U	0.33 U	1.0 U	1.0 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.19 U	0.19 U	0.19 U	1.0 U	1.0 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.20 U	0.20 U	0.20 U	1.0 U	1.0 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.090 U	0.090 U	0.090 U	1.0 U	1.0 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.14 U	0.14 U	0.14 U	1.0 U	1.0 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.12 U	0.12 U	0.12 U	1.0 U	1.0 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.18 U	0.18 U	0.18 U	1.0 U	1.0 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.13 U	0.13 U	0.13 U	1.0 U	1.0 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.43 U	0.43 U	0.43 U	3.0 U	3.0 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals										
Arsenic	µg/L	**3.52**	2.67 U	**3.4**	2.5 U	2.5 U	-	2.5 U	0.46 U	**5.26**
Manganese	µg/L	30.9	34.3	34.2	29.4	29.4	33.6	40.2	**124**	**78**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-56I-1*	*MW-56I-1*	*MW-56I-1*	*MW-56I-2*	*MW-56I-2*	*MW-56D*	*MW-56D*	*MW-56D*	*MW-60S*
Sample ID:		*14737-1207-09*	*14737-1207-10*	*14737-031308-009*	*14737-1207-08*	*14737-031308-007*	*14737-1207-11*	*14737-031308-010*	*GW-14737-08*	*14737-1207-21*
Sample Date:		*12/3/2007*	*12/3/2007*	*3/13/2008*	*12/3/2007*	*3/13/2008*	*12/3/2007*	*3/13/2008*	*6/15/2010*	*12/4/2007*
			Duplicate							
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.54 J	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	4.4	10 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	-	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	-	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	**1.8**
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	4.5
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.4	0.3 U	0.5	0.93 J	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.32 J	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	0.4	ND	4.9	1.79	6.3
Metals										
Arsenic	µg/L	0.6 U	0.51 U	2.53	**3.3**	**9.92**	**27.3**	**30.8**	**6.3**	**4.3**
Manganese	µg/L	**116**	**112**	**72.1**	**294**	**518**	**842**	**586**	**217**	**177**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-60S*	*MW-60S*	*MW-60S*	*MW-60S*	*MW-60S*	*MW-60D*	*MW-60D*	*MW-60D*	*MW-60D*
Sample ID:		*14737-031208-001*	*14737-041408-53*	*14737-0609-15*	*14737-1209-15*	*14737-1209-15*	*14737-1207-20*	*14737-031208-002*	*14737-041408-52*	*GW-14737-12*
Sample Date:		*3/12/2008*	*4/14/2008*	*6/10/2009*	*12/1/2009*	*12/2/2009*	*12/4/2007*	*3/12/2008*	*4/14/2008*	*6/16/2010*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U	0.2 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	-	0.3 U	1.0	1.0	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	-	0.5 U	0.5 U	0.5 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	-	2.8	4.0	3.7	4.5
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	-	1.3	1.7	1.6	2.6
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	-	0.3 U	0.3 U	1.2	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	1.0 U	1.0 U	-	0.8	0.6	0.6	1.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	3.2	4.2	3.9	6.6
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	29	32 J	33	50
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	10 U	10 U	-	0.7 U	0.7 U	0.7 U	10 U
Acetone	µg/L	1.5 U	1.5 U	10 UJ	10 U	-	1.5 U	1.5 U	1.5 U	10 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	4.0 UJ	4.0 U	-	6.6 U	6.6 U	6.6 U	-
Acrylonitrile	µg/L	3.1 U	3.1 U	2.0 U	2.0 U	-	3.1 U	3.1 U	3.1 U	-
Benzene	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	-	**47**	**42 J**	**43**	**33**
Bromodichloromethane	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U	0.2 U	1.0 U
Bromoform	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U	0.2 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U	0.4 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	-	0.3 U	0.3 U	0.3 U	1.0 U
Chlorobenzene	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	-	**52**	47 J	**52**	**51**
Chloroethane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	**6.8**	4.6 J	**6.2**	2.6
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U	0.2 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	1.5	1.0	0.4 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	-	3.7	3.8	3.4	4.8
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	1.0 U	1.0 U	-	0.1 U	0.1 U	0.1 U	1.0 U
Cyclohexane	µg/L	0.6 U	0.6 U	1.0 U	1.0 U	-	0.6 U	0.7	0.6 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	-	0.3 U	0.3 U	0.3 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	1.0 UJ	1.0 U	-	0.3 U	0.3 U	0.3 U	1.0 U
Ethylbenzene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U	0.4 U	1.0 U
Hexane	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U	0.4 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	2.0 U	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U	0.4 U	1.0 U
o-Xylene	µg/L	-	-	-	1.0 U	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	0.4 U	0.4 U	0.4 U	1.0 U
Toluene	µg/L	0.3 U	0.3 U	1.0 U	1.0 U	-	0.3 U	0.3 U	0.3 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	2.7	3.0	3.2	3.9
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.2 U	0.2 U	1.0 U
Trichloroethene	µg/L	0.4 U	0.4 U	1.0 U	1.0 U	-	**1.1**	1.0	**1.1**	0.65 J
Vinyl chloride	µg/L	0.2 U	0.2 U	1.0 U	1.0 U	-	0.2 U	0.9 J	0.2 U	**1.3**
Xylenes (total)	µg/L	0.4 U	0.4 U	3.0 U	3.0 U	-	0.4 U	0.4 U	0.4 U	3.0 U
Total VOCs	µg/L	ND	ND	ND	ND	-	151.9	147.5	153.9	160.95
Metals										
Arsenic	µg/L	2.13 J	1.4 J	**3.6**	-	**4.1**	0.56 U	1.3 J	1.19 J	2.5 U
Manganese	µg/L	**82.1**	**85.4**	**73.9**	-	**81.7**	**360**	**349**	**349**	**296**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-61S*	*MW-61S*	*MW-61D*	*MW-61D*	*MW-61D*	*MW-61D*	*MW-62S*	*MW-62S*	*MW-62D*
Sample ID:		*14737-1207-23*	*14737-031208-003*	*14737-1207-22*	*14737-031208-004*	*GW-14737-13*	*GW-14737-14*	*14737-1207-25*	*14737-031208-005*	*14737-1207-24*
Sample Date:		*12/4/2007*	*3/12/2008*	*12/4/2007*	*3/12/2008*	*6/16/2010*	*6/16/2010*	*12/4/2007*	*3/12/2008*	*12/4/2007*
							Duplicate			
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	3.0	4.7	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	1.8	1.8	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.7	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.6	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	1.6	1.6	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	18	14	0.53 J	0.38 J	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	-	-	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	-	-	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	36	8.2	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	4.0	1.7	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	1.9	0.8	1.0 U	1.0 U	0.4	0.4	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	1.4	1.8	0.87 J	0.87 J	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.8	0.6	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	69.8	35.2	1.4	1.25	0.4	0.4	ND
Metals										
Arsenic	µg/L	1.0 J	1.33 J	0.33 U	2.11 J	2.5 U	2.5 U	1.8 J	2.4 J	0.45 U
Manganese	µg/L	42.4	47.7	226	228	178	177	44.4	14.8	33.7

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-62D*	*MW-63S*	*MW-63S*	*MW-63S Bottom*	*MW-63S Top*	*MW-63D*	*MW-63D*	*MW-64S*	*MW-64S*
Sample ID:		*14737-031208-006*	*14737-1207-13*	*14737-031408-015*	*14737-102910-02*	*14737-102910-01*	*14737-1207-12*	*14737-031408-014*	*14737-1207-14*	*14737-031408-013*
Sample Date:		*3/12/2008*	*12/4/2007*	*3/14/2008*	*10/29/2010*	*10/29/2010*	*12/4/2007*	*3/14/2008*	*12/4/2007*	*3/14/2008*
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.9	0.5 U	0.8	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	-	-	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	-	-	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2	0.3
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	1.0 UJ	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.7	**1.8**	**2.1**	**1.1 J**	0.37 J	0.4	0.6	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	1.0
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.28 J	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	0.7	1.8	2.1	1.38	0.37	1.3	0.6	1	1.3
Metals										
Arsenic	µg/L	0.41 J	0.53 U	1.49 J	-	-	0.99 J	**7.65**	**11.3**	1.29 J
Manganese	µg/L	29.9	45.1	41.3	-	-	47.5	**62**	**210**	**87.1**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-64D*	*MW-64D*	*MW-64D*	*RT-3*	*RT-3*	*RT-3*	*RT-3*	*RT-3*	*RT-3*
Sample ID:		*14737-1207-15*	*14737-031408-011*	*14737-031408-012*	*14737-0307-01*	*14737-0607-07*	*14737-1207-19*	*14737-0608-05*	*14737-1208-20*	*14737-0309-08*
Sample Date:		*12/4/2007*	*3/14/2008*	*3/14/2008*	*3/14/2007*	*6/19/2007*	*12/4/2007*	*6/10/2008*	*12/2/2008*	*3/11/2009*
				Duplicate						
Parameter	*Units*									
Volatiles										
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Acetonitrile	µg/L	-	-	-	-	-	-	-	-	-
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	µg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total VOCs	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals										
Arsenic	µg/L	1.3 J	0.298 J	0.266 J	2.4 U	2.8 U	0.51 U	0.680 J	0.683 U	0.900 U
Manganese	µg/L	28.1	21.4	21.7	**77.9**	**64.9**	**66**	**71.0**	**66.9**	**77.2**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 1

ANALYTICAL RESULTS SUMMARY 2007-2010
GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*RT-3*	*RT-3*	*RT-3*
Sample ID:		*14737-0609-01*	*14737-1209-28*	*14737-1209-29*
Sample Date:		*6/9/2009*	*12/2/2009*	*12/2/2009*
				Duplicate
Parameter	*Units*			
Volatiles				
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U
Acetonitrile	µg/L	-	-	-
Acrolein	µg/L	4.0 U	4.0 U	4.0 U
Acrylonitrile	µg/L	2.0 U	2.0 U	2.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U
Hexane	µg/L	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	2.0 U	2.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	-	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U
Total VOCs	µg/L	ND	ND	ND
Metals				
Arsenic	µg/L	2.5 U	2.5 U	2.5 U
Manganese	µg/L	**62.1**	**66.1**	**67.1**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Critera source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 2A

WELL RECORD SEARCH SUMMARY
Permits less than 1,000 feet from CEA

JIS LANDFILL SITE
SOUTH BRUNSWICK, NEW JERSEY

Well Owner	*MAP ITEM NUMBER*	*Address*	*Approximate distance from the Plume (ft)*	*App No*	*Total Depth (ft)*	*Proposed Well Depth (ft)*	*Length of Screen (ft)*	*Well Construction Details*	*Well Yield (GPM)*	*Static Water Elevation (ft)*	*Use Code*	*Source of Information*	*Permit &/or Record*	*Municipality*	*Block*	*Lot*	*Current Owner from tax record / Comments*
Walter Horzempa	3	59 Dayton Rd Jamesburg	< 1,000	28-46706	242	-	Double case	Open bore hole 227-	100	10	D	BWA	Well permit	Jamesburg	68	13.01	Horzempa
Raymond Carini	8	RD 1 Fosgate Dr. Half Acre Rd, Jamesburg	< 1,000	28-2821	142	150	5	black steel	10	75.0	D	BWA	Well permit/Well	Monroe			address does not match well grid
Cody Peters	9	136 McKnight Ave Jamesburg	< 1,000	28-13077	60	60	5	PVC	85	5	1	BWA	Well permit/Well	Monroe	87	1,2	
Monroe Twp MUA	12	Helmetta Rd Jamesburg	< 1,000	28-14678	78	75	10	PVC	150	1	D	BWA	Well permit/Well	Monroe	103	18	
Sheree Rohrig	13	Perrineville Rd Jamesburg	< 1,000	28-13583	166	60	10	PVC	45	92	D	BWA	Well permit/Well	Jamesburg	48.13	25 (or 9-28	Rohrig, Walter & Sheree, RR 4 Box 261A Perrineville, Jamesburg, NJ 08831
Nate Peters	17	212 Bordentown Turnpike	< 1,000	28-12482	67	60	10	PVC	100	12	1	BWA	Well permit/Well	Monroe	84	23	Dorothy Peters
J E O'Neill Builders	19	236, 238, 240 Rhode Hall Road, Monroe	< 1,000	28-7791	55	55	5	Stainless Stee	75	21	D	BWA	Well permit/Record	Monroe	81	9.1,9.3,9.4	Fernando; Horsch; Morgan
Morris Misonoff	22	0.25 miles south of Bordentown on Mott	< 1,000	28-5753		50					D	BWA	Well permit	Monroe			may be in new development off Cherry Blossom Drive OR related to St. James Cemetery
Frank J Bason	26	127 Rhode Hall Rd Jamesburg	< 1,000	28-10478	66	55	10	PVC	20	16	D	BWA	Well permit/Well	Monroe	83	5.02	no lot listed
Terry Albanese	28	6 Pergola St. Jamesburg	< 1,000	28-30126		90					D	BWA	Well permit				
Sharon A. L. White	32	8 Pergola St Jamesburg	< 1,000	28-35837	78	80	10	PVC	54	20	1	BWA	Well Permit/Well				
David Demarco	39	205 Rhode Hall Rd Monroe Township	< 1,000	28-52308	77		10	PVC	75	15	I	BWA	Well permit	Monroe	83	5.4	DEMARCO, M. DAVID & PAULA M.
Joseph Staump	41	Dayton Rd Jamesburg	< 1,000	28-3096		100					D	BWA	Well permit	Monroe	78	17	0.5 miles east of Cranbury-South River Rd. on the south side of Dayton Road (aka Docks Corner Road)
Joseph Staump		Dayton Rd Jamesburg	< 1,000	28-10880		100					D	BWA	Well permit/Record	Monroe	78	17	0.5 miles east of Cranbury-South River Rd. on the south side of Dayton Road (aka Docks Corner Road)
Julian A Corage	44	236A Dayton Rd / 204 Docks Corner	< 1,000	28-12426A	52	60	4	PVC	60	14	1	BWA	Well permit/Record	Monroe	78	1	Yoffredo, John & Frances
Thomas J Colletti	50	Jamesburg-Dayton Rd	< 1,000	28-4494		40					D	BWA	Well permit	Jamesburg			
Frank Kaler	49	975 Cranbury South River Rd, South	< 1,000	28-5311		100					D	BWA	Well permit	South Brunsw	17.01	7.01	Kaler, Frank & Rita A.
R Balz	60	129 Rhode Hall Rd Jamesburg	< 1,000	28-8492		60					D	BWA	Well permit	Monroe	83	6	split lots
M David Demarco	63	203-211 Rhode Hall, Jamesburg	near #39	28-10608	--	70	--	--	--	--	D	BWA	Permit only	Monroe	83	5	lot 5 doesn't exist, has been subdivided.
M David Demarco	68	203 Rhode Hall Rd Monroe Township	same as #63	28-10608	70	125	12	PVC	25	12	D	BWA	Well Record	Monroe	85	5	
Tom Iadevaid	70	Jamesburg-Dayton Rd	incomplete address	28-3454	47	60					D	BWA	Well permit/Record	Monroe			see attached listing of properties owned by family
Antonetta Iadevaid	70	Jamesburg-Dayton Rd	incomplete address	28-4416	46	60					D	BWA	Well permit/Record	Monroe			see attached listing of properties owned by family
Earl Lewis	73	Cranbury South River Rd / Possum	< 1,000	28-2476		100					D	BWA	Well permit	Monroe			possibly associated with Lewis Airfield
Stephen Duncan	74	Cranbury South River Rd / Possum	< 1,000	28-2761		100					D	BWA	Well permit	Monroe			
Ida E Dock	79	Cranbury South River Rd / Possum	< 1,000	28-2838		100					D	BWA	Well permit	Monroe			
Joseph Franz	80	234 Docks Corner Rd Jamesburg	< 1,000	28-12428	80	60	4	Stainless Stee	60	22	1	BWA	Well permit/Record	Monroe	78	20.2	208 Docks Corner Rd KOVACS, MOZES & SUSAN
Peter F Collura	82	Docks Corner Rd Jamesburg	< 1,000	28-1476		80					D	BWA	Well permit	Monroe			
Teddy Korus	83	Cranbury-South River Rd, Jamesburg	< 1,000	28-4049	120	175	20	NR	NR	NR	D	BWA	Well permit/Record	South Brunsw	17.1	10,12	Estate of Anne S. Kordus
Donald Jones	84	Cranbury Rd Dayton	< 1,000	28-3855	75						D		Well permit/Record	South Brunswick			
Stephen Patron		Docks Corner Rd Jamesburg	< 1,000	28-6392	75	80					D		Well permit	Monroe			0.5 miles east of Cranbury-South River Rd. on the south side of Dayton Road (aka Docks Corner Road)

Notes:
ft - feet
GPM - Gallons per minute
D - Domestic
M - Monitoring
I - Irrigation
N/R - Not Recorded
PVC - Poly-vinyl chloride
Well use codes: D=domestic, 1=domestic replacement

TABLE 2B

WELL RECORD SEARCH SUMMARY
Permits greater than 1,000 feet from CEA

JIS LANDFILL SITE
SOUTH BRUNSWICK, NEW JERSEY

Well Owner	*MAP ITEM NUMBER*	*Address*	*Approximate distance from the Plume (ft)*	*App No*	*Total Depth (ft)*	*Proposed Well Depth (ft)*	*Length of Screen (ft)*	*Well Construction Details*	*Well Yield (GPM)*	*Static Water Elevation (ft)*	*Use Code*	*Source of Information*	*Comments*	*Municipality*	*Block*	*Lot*	*Current Owner from tax record*
Monroe Twp MUA	10	2 Thomas Street Jamesburg	2,000	28-14679	59	75	10	PVC	100	3	D	BWA	Well permit/Well Record	Monroe	101	20	
Pullen Walter & Valeria	11	47 East Sedwick Street, Monroe, NJ	1,500	28-15102	60	55	10	PVC	35	10	1	BWA	Well permit/Well Record	Monroe	104	4.01	Nascak, Patrick & Susan
Richard Kayes	14 and 24	197 Old Forge Road Jamesburg	5,000	28-13582		80					D	BWA	Well permit	Monroe	109.23	29	Pawlowski, George & Irene
Richard Kayes	14 and 24	185 Old Forge Road Jamesburg	5,000	28-13355	84	80	10	PVC	100	20	D	BWA	Well permit/Record	Monroe	109.23	30	Leonard, Guy & Susan
Richard Kayes	36 and 14 and 24	Old Forge Rd Jamesburg	5,000	28-17503	84		10	PVC	100	20	D	BWA	Well permit				
Mellie Shaner	15	50 E. Sedgewick St Jamesburg	1,750	28-14619	70	70	6	Stainless Steel	30	10	D	BWA	Well permit/Well Record	Monroe	103	41	Estate of Mellie Shaner
William Farm	16	113 Old Forge Rd Jamesburg	4,000	28-36847	80	60	10	PVC	20	20	D	BWA	Well permit/Well Record	Monroe	107	2.07	
Anthony J Route, Sr	18 same as 29	8 Sherman St Jamesburg	2,000	28-33075	50	60	10	PVC	100	8	1	BWA	Well permit/Well Record	Monroe	94	2	Drudy, Robert J.
Michel Beninda	20	Matchaponix Ave Jamesburg	9,000	28-7440		100					D	BWA	Well permit	Monroe			
Stephen Patron Pama Construction	21	Woodcrest Manor, Monroe	2,500	28-6392	75		3	Brass	15	38	D	BWA	Well record	Monroe			Woodcrest Manor Circle
Woodcrest at Manor	54	13 Woodcrest Cir Jamesburg	2,000			80					D	BWA	Well permit	Monroe			Woodcrest Manor Circle
Woodcrest at Manor	55	21 Woodcrest Cir Jamesburg	2,000			80					D	BWA	Well permit	Monroe			Woodcrest Manor Circle
Woodcrest at Manor	56	Woodcrest Cir Jamesburg	2,000	28-7010							D	BWA	Well permit	Monroe			Woodcrest Manor Circle
Woodcrest at Manor	57	Woodcrest Cir Jamesburg	2,000	28.14.1.26		80					D	BWA	Well permit	Monroe			Woodcrest Manor Circle
Woodcrest at Manor	58	Block 83, Lot 36 Monroe Township	2,000	28-7155		80					D	BWA	Well permit	Monroe			Woodcrest Manor Circle
S Karlowski	23	100 Forge Road Jamesburg	3,500	28-17392		80					D	BWA	Well permit				
Munziato Ferraro	25	171 Stevens Avenue Jamesburg	1,750	28-4705		60					D	BWA	Well permit				
Tom Grant	27	102 Forge Rd Jamesburg	4,000	28-11755	115	140	5	Stainless Steel	10	30	D	BWA	Well permit/Well Record	Monroe			
Anthony J Route, Sr	29 same as 18	8 Sherman St Jamesburg	2,000	28-33075		60					D	BWA	Well Permit				
Albert Balistreri	31	6 West Sherman Street Jamesburg	2,000	28-34879	48	50	10	PVC	100	8	1	BWA	Well Permit/Well Record	Jamesburg	94	4	
William Farm	33 same as 16	113 Old Forge Rd Jamesburg	4,000	28-36847		60					D	BWA	Well Permit				
Costco Way 8, LLC	38	8 Costco Way Jamesburg	1,250	28-55835	113		20	PVC	300	23	I	BWA	Well permit				
Barnes & Nobel Distribution	71 near 38	Costco Way	1,250	28-54286	125		30	PVC	300	25	I	BWA	Well Record				
Premier Homes	40	Muirfield Blvd., Monroe, NJ	8,000	28-47004	170		10	PVC	30	90	I	BWA	Well Record	Monroe	64	10.224	FAIRWAYS @ FORSGATE %EXEC. PROPERTY
Fred Fugate	42	233 Old Forge Road, Monroe	7,000	28-11926	60	80	10	PVC	45	4	D	BWA	Well permit/Record	Monroe	109.27	21	Gaboury, Richard & Genevieve
Frank Rafa	43	409B Matchaponix Ave Jamesburg	> 5,000	28-3239	179	120	3	Stainless Steel	15	78	D	BWA	Well permit/Record				
Thomas J Colletti	45	Half Acre Rd & Forsgate Dr Jamesburg	6,000	28-3832		150					D	BWA	Well permit				
Joseph Fallo	46	215 Spring St Jamesburg	6,000	28-12538	90	80	8	PVC	65	15	D	BWA	Well permit/Record	Monroe	109-C	1	
Charles Betts	47	Forsgate Dr / HalfAcre Rd Jamesburg	6,000	28-3912		150					D	BWA	Well permit				
Wayne C Hall	48	Rte 130 / Fresh Pond Road, South Brunswick	12,000	28-13983	145	100		PVC	60	40	D	BWA	Well permit/Record				
Rychhrd Fitzsimons	51 same as 69	Old Forge Rd Lot 21-01B 106-52, Jamesburg	> 5,000	28-15797		80					D	BWA	Well permit				

TABLE 2B

WELL RECORD SEARCH SUMMARY
Permits greater than 1,000 feet from CEA

JIS LANDFILL SITE
SOUTH BRUNSWICK, NEW JERSEY

Well Owner	*MAP ITEM NUMBER*	*Address*	*Approximate distance from the Plume (ft)*	*App No*	*Total Depth (ft)*	*Proposed Well Depth (ft)*	*Length of Screen (ft)*	*Well Construction Details*	*Well Yield (GPM)*	*Static Water Elevation (ft)*	*Use Code*	*Source of Information*	*Comments*	*Municipality*	*Block*	*Lot*	*Current Owner from tax record*
W V Griffin Nurseries Inc	52	255 Rhode Hall Rd	2,000	28-15028	131	100	30	PVC	150	40	I	BWA	Well permit/Record	Monroe	82	4	W V Griffin Nurseries Inc
BASF	53	Cranbury South River Rd @ railroad	4,000	28-6432		100					D	BWA	Well permit				
John J Marcec	61	165A Old Forge Rd Jamesburg	3,500	28-11387	67	100	10	PVC	30	22	D	BWA	Well permit/Record				
Bruno Bacchetti	62	Old Forge Rd Block 109-24, lot 124, Jamesburg	3,500	28-11377	65	100	10	PVC	30	15	D	BWA	Well permit/Record				
Stanley Potochac	65	200 Old Forge Rd Jamesburg	3,500	28-11565	73	100	10	PVC	50	30	D	BWA	Well permit/Record				
Richard Gaboury	66	229 Forge Rd Jamesburg	3,500	28-11890	60	80	10	PVC	40	9	D	BWA	Well permit/Record				
Richard Fitzsimons	69 same as 51	Old Forge Rd Lot 21-01B 106-52, Jamesburg	> 5,000	28-15797	80		8	PVC	60	20	D	BWA	Well Record				
J Lewis	75	Federal Rd. & England Rd., Monroe, NJ	27,272	31-6424		165					D	BWA	Well permit				
Rena Fortsch	76	Rhode Hall Rd Jamesburg	2,000	28-1832	63	100	4	NR	15	35	D	BWA	Well permit/Record				
Angelo C Tarino	77	Rhode Hall Rd Jamesburg	2,000	28-12513 closed	55	60	3	Stainless Steel	8	37	D	BWA	Well permit/Record				
Angelo C Tarino	78	8 Sedwick Street Jamesburg	2,500	28-1214	50		4	NR	10	32	D	BWA	Well Record				
William Schlegel	81	RD#2(Applegarth&Old Church) Monroe Township	32,000	28-2941	145	90	3	NR	10	60	D	BWA	Well permit/Record				
Peter Hanson	7	Bergens Mills Rd Jamesburg	cancelled permit	28-1044 cancelled		60	N/A	-	-	-	D	BWA	Cancelled Well permit				
Chester Sigle		Rhode Hall Rd Jamesburg	2,000	28-19289							D						
Alexander Bahuk		11 Catherine St, Helmetta	2,000	28-7659							D						
Virginia Royster		Laurence Twp, Mercer County	not in county	28-6497							D						
Einbinder Companies		525 Hwy 33, Millstone Twp.	not in county	28-21340							D						
William Berking		Federal Rd. & England Rd., Monroe, NJ	27,000	28-7579							D						
John Sheridan		Prospect Plains Rd, Monroe	> 2,000	28-5684							D						
Salvatore Intravortolo		Prospect Plains Rd, Monroe	> 2,000	28-5371							D						
Malkiewisz		Union Valley Road, Monroe	>5,000	28-17430							D						

Notes:
ft - feet
GPM - Gallons per minute
D - Domestic
M - Monitoring
I - Irrigation
N/R - Not Recorded
PVC - Poly-vinyl chloride
Well use codes: D=domestic, 1=domestic replacement

TABLE 3

ANALYTICAL RESULTS SUMMARY
MOST RECENT GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:			*MP-6S*	*MP-6I*	*MP-6I*	*MP-6D*	*MW-1S*	*MW-1D*	*MW-2S*	*MW-2D*	*MW-2D*	*MW-3*	*MW-5*	*MW-6S*	*MW-6D*
Sample ID:			*14737-100410-02*	*14737-100410-03*	*14737-100410-04*	*14737-100410-01*	*14737-1207-56*	*14737-1207-57*	*14737-1207-18*	*14737-1207-16*	*14737-1207-17*	*14737-1209-24*	*14737-100810-43*	*GW-14737-07*	*14737-011210-20*
Sample Date:			*10/4/2010*	*10/4/2010*	*10/4/2010*	*10/4/2010*	*12/5/2007*	*12/5/2007*	*12/4/2007*	*12/4/2007*	*12/4/2007*	*12/2/2009*	*10/8/2010*	*6/15/2010*	*1/12/2010*
					Duplicate						*Duplicate*				
Parameter	*Units*	*NJDEP GWQS Criteria*													
Volatiles															
1,1,1-Trichloroethane	µg/L	30	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	10 U	1.0 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	10 U	1.0 U	0.090 U
1,1,2-Trichloroethane	µg/L	3	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	10 U	1.0 U	0.10 U
1,1-Dichloroethane	µg/L	50	0.35 J	0.33 J	0.37 J	0.50 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	2.1	10 U	1.0 U	0.10 U
1,1-Dichloroethene	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	10 U	1.0 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	9	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	10 U	1.0 U	0.44 U
1,2-Dichlorobenzene	µg/L	600	0.65 J	0.47 J	0.51 J	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.68 J	11	1.0 U	0.16 U
1,2-Dichloroethane	µg/L	2	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.36 J	10 U	1.0 U	0.24 U
1,2-Dichloropropane	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	10 U	1.0 U	0.090 U
1,3-Dichlorobenzene	µg/L	600	1.4	1.1	1.4	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.7	10	1.0 U	0.22 U
1,4-Dichlorobenzene	µg/L	75	17	12	14	0.30 J	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	10	47	1.0 U	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	100[1]	10 U	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	100 U	10 U	0.68 U
Acetone	µg/L	6000	10 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	100 U	10 U	2.5 U
Acrolein	µg/L	5	-	-	-	-	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	4.0 U	-	-	1.9 U
Acrylonitrile	µg/L	2	-	-	-	-	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	-	-	0.30 U
Benzene	µg/L	1	1200	1600	1300	0.27 J	0.2 U	0.2 U	0.7	0.2 U	0.2 U	310	12000	1.0 U	0.13 U
Bromodichloromethane	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	10 U	1.0 U	0.093 U
Bromoform	µg/L	4	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	10 U	1.0 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	10	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	10 U	1.0 U	0.31 U
Carbon tetrachloride	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	10 U	1.0 U	0.19 U
Chlorobenzene	µg/L	50	10	5.7	6.9	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.0	300	1.0 U	0.16 U
Chloroethane	µg/L	5[2]	8.9	4.4	5.4	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	140	14	1.0 U	0.45 U
Chloroform (Trichloromethane)	µg/L	70	1.0 U	1.0 U	1.0 U	0.74 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	10 U	1.0 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	100[1]	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	10 U	1.0 U	0.21 U
cis-1,2-Dichloroethene	µg/L	70	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.40 J	10 U	1.0 U	0.20 U
cis-1,3-Dichloropropene	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	10 U	1.0 U	0.11 U
Cyclohexane	µg/L	100[1]	3.1	1.5	1.9	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	3.5	21	1.0 U	0.13 U
Dibromochloromethane	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	10 U	1.0 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	1000	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	5.1	0.3 U	0.3 U	1.0 U	10 U	1.0 U	0.29 U
Ethylbenzene	µg/L	700	12	8.3	10	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	5.0	260	1.0 U	0.25 U
Hexane	µg/L	30	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	10 U	1.0 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	1.5 J	-	-	-
Methylene chloride	µg/L	3	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.8	10 U	1.0 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-	-	1.7	-	-	-
Tetrachloroethene	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	10 U	1.0 U	0.20 U
Toluene	µg/L	600	1.1	0.56 J	0.66 J	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.30 J	10 U	1.0 U	0.090 U
trans-1,2-Dichloroethene	µg/L	100	0.80 J	0.59 J	0.62 J	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.31 J	10 U	1.0 U	0.14 U
trans-1,3-Dichloropropene	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	10 U	1.0 U	0.12 U
Trichloroethene	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	10 U	1.0 U	0.18 U
Vinyl chloride	µg/L	1	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.38 J	10 U	1.0 U	0.13 U
Xylenes (total)	µg/L	1000	42	33	40	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	3.2	1600	3.0 U	0.78
Total VOCs	µg/L	-	1297.3	1667.95	1381.76	1.81	ND	ND	5.8	ND	ND	484.93	14263	ND	0.78
Metals															
Arsenic	µg/L	3	2.8	4.3	4.7	2.5 U	0.574 U	3.38	2.2 J	1.1 J	0.86 U	5.3	18.3	2.5 U	2.5 U
Manganese	µg/L	50	4500	2760	2560	231	36.8	61.4	599	22.9	22.1	1840	892	92.6	58.6

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Criteria source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 3

ANALYTICAL RESULTS SUMMARY
MOST RECENT GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-7S*	*MW-7D*	*MW-9*	*MW-10S*	*MW-10I*	*MW-11S*	*MW-11D*	*MW-13S*	*MW-13S*	*MW-13D*	*MW-14S*	*MW-14D*	*MW-15S*	*MW-16*	*MW-17*
Sample ID:		*GW-14737-05*	*14737-1207-31*	*14737-1207-49*	*14737-1207-05*	*GW-14737-06*	*14737-1209-20*	*14737-1209-19*	*14737-1209-21*	*14737-1209-22*	*14737-1209-23*	*14737-1209-42*	*14737-1209-41*	*14737-1207-30*	*14737-1207-59*	*14737-011210-22*
Sample Date:		*6/15/2010*	*12/4/2007*	*12/5/2007*	*12/3/2007*	*6/15/2010*	*12/2/2009*	*12/2/2009*	*12/2/2009*	*12/2/2009*	*12/2/2009*	*12/2/2009*	*12/2/2009*	*12/4/2007*	*12/5/2007*	*1/12/2010*
										Duplicate						
Parameter	*Units*															
Volatiles																
1,1,1-Trichloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.25 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.090 U
1,1,2-Trichloroethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.10 U
1,1-Dichloroethane	µg/L	1.0	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.10 U
1,1-Dichloroethene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.14 U
1,2,4-Trichlorobenzene	µg/L	100	0.5 U	0.5 U	0.5 U	0.55 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.44 U
1,2-Dichlorobenzene	µg/L	45	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.16 U
1,2-Dichloroethane	µg/L	1.7	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.24 U
1,2-Dichloropropane	µg/L	5.0	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.090 U
1,3-Dichlorobenzene	µg/L	10	0.4 U	0.4 U	0.4 U	0.93 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.22 U
1,4-Dichlorobenzene	µg/L	67	0.4 U	0.4 U	0.4 U	0.99 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	0.7 U	0.7 U	0.7 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.7 U	0.7 U	0.68 U
Acetone	µg/L	10 U	1.5 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.5 U	1.5 U	2.5 U
Acrolein	µg/L	-	6.6 U	6.6 U	6.6 U	-	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	6.6 U	6.6 U	1.9 U
Acrylonitrile	µg/L	-	3.1 U	3.1 U	3.1 U	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3.1 U	3.1 U	0.30 U
Benzene	µg/L	3.4	0.2 U	0.2 U	0.2 U	0.29 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.80 J	1.0 U	0.2 U	0.2 U	0.13 U
Bromodichloromethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.093 U
Bromoform	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.10 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.31 U
Carbon tetrachloride	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.19 U
Chlorobenzene	µg/L	37	0.2 U	0.2 U	0.2 U	0.41 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.16 U
Chloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.45 U
Chloroform (Trichloromethane)	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.84 J	1.0 U	0.2 U	0.2 U	0.15 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.21 U
cis-1,2-Dichloroethene	µg/L	0.37 J	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.20 U
cis-1,3-Dichloropropene	µg/L	1.0 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.11 U
Cyclohexane	µg/L	2.7	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	0.13 U
Dibromochloromethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.11 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0	0.3 U	0.29 U
Ethylbenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	0.4 U	0.4 U	0.25 U
Hexane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.33 U
m&p-Xylenes	µg/L	-	-	-	-	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.82 J	2.0 U	-	-	-
Methylene chloride	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.19 U
o-Xylene	µg/L	-	-	-	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	-	-
Tetrachloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.32 J	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.20 U
Toluene	µg/L	0.42 J	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.090 U
trans-1,2-Dichloroethene	µg/L	0.62 J	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.14 U
trans-1,3-Dichloropropene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.12 U
Trichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.18 U
Vinyl chloride	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.13 U
Xylenes (total)	µg/L	3.0 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	0.82 J	3.0 U	0.4 U	0.4 U	0.50
Total VOCs	µg/L	274.21	ND	ND	ND	3.17	ND	3	0.32	ND	ND	3.55	ND	4	ND	0.5
Metals																
Arsenic	µg/L	2.5 U	4.1	1.02 J	0.56 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.8 J	5.92	2.5 U
Manganese	µg/L	2520	122	66	1560	237	1100	48.2	86.4	84.9	33.1	46.5	26.4	173	26.9	41.9

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Criteria source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 3

ANALYTICAL RESULTS SUMMARY
MOST RECENT GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-18S*	*MW-18I*	*MW-18I*	*MW-18D*	*MW-19S*	*MW-19I*	*MW-20S*	*MW-20I*	*MW-20D*	*MW-21S*	*MW-21I*	*MW-21D*	*MW-22S*	*MW-22I*	*MW-22D*
Sample ID:		*GW-14737-04*	*14737-1209-38*	*14737-1209-39*	*14737-1209-40*	*14737-1207-03*	*14737-1209-27*	*14737-1207-44*	*GW-14737-21*	*GW-14737-20*	*14737-1207-64*	*14737-1209-01*	*14737-1209-02*	*14737-1207-92*	*14737-1209-33*	*14737-1209-32*
Sample Date:		*6/15/2010*	*12/2/2009*	*12/2/2009*	*12/2/2009*	*12/3/2007*	*12/2/2009*	*12/5/2007*	*6/16/2010*	*6/16/2010*	*12/5/2007*	*12/1/2009*	*12/1/2009*	*12/6/2007*	*12/2/2009*	*12/2/2009*
				Duplicate												
Parameter	*Units*															
Volatiles																
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	0.32 J	0.4 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.39 J	1.2	0.3 U	0.50 J	1.4
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.28 J	0.5 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.58 J	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.1	2.6	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.62 J
1,2-Dichlorobenzene	µg/L	1.8	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.2	2.6	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.21 J
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	0.35 J	0.3 U	1.0 U	0.41 J
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.50 J	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.4 U	1.9	1.5	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	0.48 J
1,4-Dichlorobenzene	µg/L	2.2	0.48 J	0.43 J	1.0 U	0.4 U	0.28 J	0.4 U	15	11	0.4 U	1.0 U	1.0 U	0.4 U	0.26 J	3.0
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	10 U	0.7 U	10 U	0.7 U	10 U	10 U	0.7 U	10 U	10 U	0.7 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	1.5 U	10 U	1.5 U	10 U	10 U	1.5 U	10 U	10 U	1.5 U	10 U	10 U
Acrolein	µg/L	-	4.0 U	4.0 U	4.0 U	6.6 U	4.0 U	6.6 U	-	-	6.6 U	4.0 U	4.0 U	6.6 U	4.0 U	4.0 U
Acrylonitrile	µg/L	-	2.0 U	2.0 U	2.0 U	3.1 U	2.0 U	3.1 U	-	-	3.1 U	2.0 U	2.0 U	3.1 U	2.0 U	2.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	0.2 U	**3.9**	**1.9**	0.2 U	**1.8**	1.0 U	0.2 U	1.0 U	**2.7**
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	0.2 U	10	5.9	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	4.0
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.4 U	1.2	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	2.2
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.42 J	4.9	0.2 U	0.79 J	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	0.3 U	4.5	2.7	0.3 U	1.6	1.8	0.3 U	0.64 J	0.42 J
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	1.0 U	0.1 U	1.0 U	1.0 U	0.1 U	1.0 U	1.0 U	0.1 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.6 U	1.0 U	0.6 U	1.0 U	1.0 U	0.6 U	1.0 U	1.0 U	0.6 U	1.0 U	0.52 J
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	1.3	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	0.69 J	0.3 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U
Hexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	2.0 U	2.0 U	2.0 U	-	2.0 U	-	-	-	-	2.0 U	2.0 U	-	2.0 U	2.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U
o-Xylene	µg/L	-	1.0 U	1.0 U	1.0 U	-	1.0 U	-	-	-	-	1.0 U	1.0 U	-	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.4 U	1.0 U	0.50 J	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.4 U	1.4	0.93 J	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	0.30 J
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.25 J	1.0 U	1.0 U	1.0 U	0.4 U	0.50 J	0.4 U	**1.2**	0.73 J	0.4 U	**7.1**	**14**	0.4 U	**8.3**	0.76 J
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	0.2 U	0.60 J	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	0.4 U	3.0 U	0.4 U	3.0 U	3.0 U	0.4 U	3.0 U	3.0 U	0.4 U	3.0 U	3.0 U
Total VOCs	µg/L	5.33	0.48	0.43	ND	ND	2.08	ND	42	30.36	ND	11.31	23.54	ND	10.49	17.02
Metals																
Arsenic	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	0.23 U	2.5 U	**3.96 J**	2.5 U	2.5 U	0.482 U	2.5 U	**3.6**	0.88 J	2.5 U	**4.0**
Manganese	µg/L	**614**	**113**	**110**	**115**	**105**	**1370**	**249**	**86.0**	**338**	**713**	27.1	38.0	**53.9**	**62.4**	**368**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Criteria source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 3

ANALYTICAL RESULTS SUMMARY
MOST RECENT GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-23S*	*MW-23I*	*MW-23I*	*MW-23D*	*MW-24S*	*MW-24I*	*MW-24D*	*MW-24D*	*MW-25S*	*MW-25I*	*MW-25D*	*MW-26D*	*MW-27S*	*MW-27I*	*MW-27D*
Sample ID:		*14737-1207-68*	*GW-14737-02*	*GW-14737-03*	*GW-14737-01*	*14737-1207-39*	*14737-1207-36*	*14737-1207-37*	*14737-1207-38*	*14737-1209-13*	*GW-14737-11*	*GW-14737-10*	*14737-1207-81*	*14737-1207-85*	*14737-1209-37*	*14737-1209-36*
Sample Date:		*12/5/2007*	*6/15/2010*	*6/15/2010*	*6/15/2010*	*12/4/2007*	*12/4/2007*	*12/4/2007*	*12/4/2007*	*12/1/2009*	*6/15/2010*	*6/15/2010*	*12/6/2007*	*12/6/2007*	*12/2/2009*	*12/2/2009*
				Duplicate					*Duplicate*							
Parameter	*Units*															
Volatiles																
1,1,1-Trichloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	0.53 J	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	2.3	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.53 J	0.5 U	0.5 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	2.1	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	6.2	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	**110**	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	0.77 J	2.2	0.4 U	0.4 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	10 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U	10 U	0.7 U	0.7 U	10 U	10 U
Acetone	µg/L	1.5 U	10 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	10 U	10 U	1.5 U	1.5 U	10 U	10 U
Acrolein	µg/L	6.6 U	-	-	-	6.6 U	6.6 U	6.6 U	6.6 U	4.0 U	-	-	6.6 U	6.6 U	4.0 U	4.0 U
Acrylonitrile	µg/L	3.1 U	-	-	-	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	-	-	3.1 U	3.1 U	2.0 U	2.0 U
Benzene	µg/L	0.2 U	**7.2**	**7.6**	**3.8**	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	**9.1**	0.2 U	0.2 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromoform	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.2 U	0.60 J	0.61 J	18	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	0.43 J	0.2 U	0.2 U	1.0 U	1.0 U
Chloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.1	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.41 J	0.32 J	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.33 J	1.0 U	0.23 J	0.2 U	0.2 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.3 U	1.2	1.1	0.41 J	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.1 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	1.0 U	0.1 U	0.1 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.6 U	1.0 U	1.0 U	2.5	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	0.6 U	0.6 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	0.3 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	1.0 U
Hexane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	2.0 U	-	-	-	-	2.0 U	2.0 U
Methylene chloride	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	0.6	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	1.0 U	-	-	-	-	1.0 U	1.0 U
Tetrachloroethene	µg/L	0.4 U	0.40 J	0.35 J	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	**1.7**	0.4 U	0.4 U	1.0 U	1.0 U
Toluene	µg/L	0.3 U	1.0 U	1.0 U	0.26 J	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	0.6	0.3 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.25 J	1.0 U	1.5	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.4 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.4 U	**2.5**	**2.6**	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	0.59 J	0.4 U	0.4 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	0.2 U	1.0 U	1.0 U
Xylenes (total)	µg/L	0.4 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	3.0 U	0.4 U	0.4 U	3.0 U	3.0 U
Total VOCs	µg/L	ND	12.56	12.58	148.7	ND	ND	0.6	ND	0.33	0.77	14.78	0.6	ND	ND	ND
Metals																
Arsenic	µg/L	1.34 J	2.5 U	2.5 U	**6.9**	1.6 J	0.94 J	1.1 J	1.0 J	2.8	2.5 U	2.5 U	0.65 U	2.6	2.5 U	2.5 U
Manganese	µg/L	**62**	39.5	38.3	**519**	31.5	**65.7**	**54.6**	**53.6**	**208**	**57.5**	**115**	24.3	**189**	46.3	23.4

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Criteria source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 3

ANALYTICAL RESULTS SUMMARY
MOST RECENT GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-28S*	*MW-28I*	*MW-28D*	*MW-29D*	*MW-30S*	*MW-30I*	*MW-30D*	*MW-31S*	*MW-31S*	*MW-31I*	*MW-31D*	*MW-32S*	*MW-32S*	*MW-32I*	*MW-32D*
Sample ID:		*14737-1207-72*	*14737-1209-08*	*14737-1209-07*	*14737-1209-18*	*14737-1207-80*	*GW-14737-18*	*GW-14737-19*	*14737-1207-95*	*14737-1207-96*	*14737-1207-93*	*14737-1207-94*	*14737-1209-16*	*14737-1209-16*	*GW-14737-16*	*GW-14737-17*
Sample Date:		*12/6/2007*	*12/1/2009*	*12/1/2009*	*12/2/2009*	*12/6/2007*	*6/16/2010*	*6/16/2010*	*12/6/2007*	*12/6/2007*	*12/6/2007*	*12/6/2007*	*12/1/2009*	*12/2/2009*	*6/16/2010*	*6/16/2010*
										Duplicate						
Parameter	*Units*															
Volatiles																
1,1,1-Trichloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	-	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	-	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	-	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	3.1	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	-	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	-	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	-	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	-	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	1.2	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	11	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	10 U	10 U	10 U	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	-	10 U	10 U
Acetone	µg/L	1.5 U	10 U	10 U	10 U	1.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	-	10 U	10 U
Acrolein	µg/L	6.6 U	4.0 U	4.0 U	4.0 U	6.6 U	-	-	6.6 U	6.6 U	6.6 U	6.6 U	4.0 U	-	-	-
Acrylonitrile	µg/L	3.1 U	2.0 U	2.0 U	2.0 U	3.1 U	-	-	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	-	-	-
Benzene	µg/L	0.2 U	0.78 J	1.0 U	1.0 U	0.2 U	1.0 U	49	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	-	1.0 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	-	1.0 U	1.0 U
Bromoform	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	-	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	-	1.0 U	1.0 U
Chlorobenzene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	3.3	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	-	1.0 U	1.0 U
Chloroethane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.7	0.7	0.2 U	0.2 U	1.0 U	-	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.7	0.49 J	1.2	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	-	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.1 U	1.0 U	1.0 U	1.0 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	-	1.0 U	1.0 U
Cyclohexane	µg/L	0.6 U	1.0 U	1.0 U	1.0 U	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	-	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	-	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	-	1.0 U	1.0 U
Ethylbenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
Hexane	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	2.0 U	2.0 U	2.0 U	-	-	-	-	-	-	-	2.0 U	-	-	-
Methylene chloride	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
o-Xylene	µg/L	-	1.0 U	1.0 U	1.0 U	-	-	-	-	-	-	-	1.0 U	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.22 J	1.0 U	1.0 U	0.4 U	1.6	1.0 U	0.4 U	0.4 U	0.4 U	0.8	0.89 J	-	0.58 J	1.0 U
Toluene	µg/L	0.3 U	1.0 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	-	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	1.0 U	0.51 J	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	-	1.0 U	1.0 U
Trichloroethene	µg/L	0.4 U	1.0 U	1.0 U	1.0 U	0.4 U	0.43 J	0.70 J	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	-	1.0 U	1.0 U
Vinyl chloride	µg/L	0.2 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	-	1.0 U	1.0 U
Xylenes (total)	µg/L	0.4 U	3.0 U	3.0 U	3.0 U	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	-	3.0 U	3.0 U
Total VOCs	µg/L	ND	1	ND	ND	0.7	2.52	71.01	0.7	0.7	ND	0.8	0.89	-	0.58	ND
Metals																
Arsenic	µg/L	0.88 J	2.5 U	2.5 U	2.5 U	3.4	2.5 U	2.5 U	10	11	0.76 U	0.3 U	-	4.5	2.5 U	2.5 U
Manganese	µg/L	22	48.3	16.9	64.4	87.4	121	168	55.1	54.2	55.8	44.9	-	104	96.9	103

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Criteria source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 3

ANALYTICAL RESULTS SUMMARY
MOST RECENT GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-33S*	*MW-33I*	*MW-33D*	*MW-34S*	*MW-34I*	*MW-34D*	*MW-41S*	*MW-41I*	*MW-41D*	*MW-42S*	*MW-42I*	*MW-42I*	*MW-42D*	*MW-43S*
Sample ID:		*14737-1207-52*	*GW-14737-09*	*14737-1209-09*	*14737-1207-89*	*GW-14737-22*	*GW-14737-23*	*14737-1207-28*	*14737-1207-27*	*14737-1207-26*	*14737-100510-14*	*14737-100510-15*	*14737-100510-16*	*14737-100510-17*	*14737-100610-23*
Sample Date:		*12/5/2007*	*6/15/2010*	*12/1/2009*	*12/6/2007*	*6/16/2010*	*6/16/2010*	*12/4/2007*	*12/4/2007*	*12/4/2007*	*10/5/2010*	*10/5/2010*	*10/5/2010*	*10/5/2010*	*10/6/2010*
													Duplicate		
Parameter	*Units*														
Volatiles															
1,1,1-Trichloroethane	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	5.1	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	4.6	1.1	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	0.29 J	1.0 U	1.0 U	1.0 U	0.47 J
1,2-Dichloropropane	µg/L	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	5.7	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.4 U	1.0 U	1.0 U	1.0	1.0 U	39	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	10 U	10 U	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	1.5 U	10 U	10 U	1.5 U	10 U	10 U	1.5 U	1.5 U	9.0	10 U	10 U	10 U	10 U	10 U
Acrolein	µg/L	6.6 U	-	4.0 U	6.6 U	-	-	6.6 U	6.6 U	6.6 U	-	-	-	-	-
Acrylonitrile	µg/L	3.1 U	-	2.0 U	3.1 U	-	-	3.1 U	3.1 U	3.1 U	-	-	-	-	-
Benzene	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	**4.1**	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	22	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	3.2	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.1 U	1.0 U	1.0 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	0.6 U	1.0 U	1.0 U	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexane	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	2.0 U	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	1.0 U	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	0.3 U	1.0 U	1.0 U	0.3 U	1.0 U	0.29 J	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	2.6	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.4 U	1.0 U	1.0 U	0.4 U	1.0 U	0.86 J	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.2 U	1.0 U	1.0 U	0.2 U	1.0 U	**1.1**	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	0.4 U	3.0 U	3.0 U	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Total VOCs	µg/L	ND	ND	ND	1	ND	88.55	1.1	ND	9	0.29	ND	ND	ND	0.47
Metals															
Arsenic	µg/L	1.66 J	2.5 U	2.5 U	2 J	2.5 U	2.5 U	**8.2**	0.67 U	1.3 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	12.6	13.3	**109**	35.5	34.8	**414**	9.4	37.9	3.3 U	**99.4**	40.4	37.1	**54.8**	37.5

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Criteria source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 3

ANALYTICAL RESULTS SUMMARY
MOST RECENT GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-43I*	*MW-43D*	*MW-44S*	*MW-44I*	*MW-44D*	*MW-45S*	*MW-45I*	*MW-45D*	*MW-46S*	*MW-46I*	*MW-46D*	*MW-47S*	*MW-47I*
Sample ID:		*14737-100610-22*	*14737-100610-21*	*14737-100510-18*	*14737-100610-20*	*14737-100510-19*	*14737-100410-08*	*14737-100510-13*	*14737-100510-12*	*14737-100410-07*	*14737-100410-06*	*14737-100410-05*	*14737-100710-38*	*14737-100710-37*
Sample Date:		*10/6/2010*	*10/6/2010*	*10/5/2010*	*10/6/2010*	*10/5/2010*	*10/4/2010*	*10/5/2010*	*10/5/2010*	*10/4/2010*	*10/4/2010*	*10/4/2010*	*10/7/2010*	*10/7/2010*
Parameter	*Units*													
Volatiles														
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.49 J	0.79 J	0.67 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.97 J	1.0 U	1.0 U	1.0 U	0.44 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	0.17 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.36 J	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	0.28 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	0.28 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.3	1.0 U	1.0 U	1.0 U	0.41 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.62 J	0.43 J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrolein	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	**3.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	0.40 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.32 J	0.36 J	1.0 U	1.0 U	1.0 U	0.33 J	0.23 J	1.0 U	1.0 U	1.0 U	1.0 U	17	2.4
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	**1.5**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2.0**	0.46 J
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	0.98 J	0.98 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.36 J	1.0 U	1.0 U	**2.6**	0.59 J
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Total VOCs	µg/L	6.97	3.52	0.45	ND	0.85	0.82	1.02	0.67	0.36	ND	ND	22.58	3.88
Metals														
Arsenic	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	41.6	**162**	28.4	26.3	**194**	15.2	24.5	31.9	24.8	**71.9**	10.0 U	**644**	**315**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Criteria source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 3

ANALYTICAL RESULTS SUMMARY
MOST RECENT GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-47D*	*MW-48S*	*MW-48I*	*MW-48D*	*MW-49S*	*MW-49I*	*MW-49D*	*MW-50S*	*MW-50I*	*MW-50D*	*MW-51S*	*MW-51S*	*MW-51I*
Sample ID:		*14737-100710-36*	*14737-100710-40*	*14737-100710-39*	*14737-100710-41*	*14737-100810-48*	*14737-100810-47*	*14737-100810-49*	*14737-100710-34*	*14737-100710-35*	*14737-100710-33*	*14737-100710-31*	*14737-100710-32*	*14737-100710-30*
Sample Date:		*10/7/2010*	*10/7/2010*	*10/7/2010*	*10/7/2010*	*10/8/2010*	*10/8/2010*	*10/8/2010*	*10/7/2010*	*10/7/2010*	*10/7/2010*	*10/7/2010*	*10/7/2010*	*10/7/2010*
													Duplicate	
Parameter	*Units*													
Volatiles														
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.31 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.28 J	0.34 J	1.0 U	0.49 J
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.3	0.71 J	1.0 U	2.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	0.23 J	0.21 J	1.0 U	2.4	1.0 U	1.0 U	1.0 U	1.1	0.18 J	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	0.37 J	1.0 U	1.0 U	1.0 U	1.0 U	0.33 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	0.43 J	1.0 U	1.0 U	1.8	1.0 U	1.0 U	1.0 U	8.3	1.5	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	0.78 J	0.90 J	1.0 U	15	0.40 J	1.0 U	1.0 U	13	0.77 J	1.0 U	1.0 U	0.92 J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrolein	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	**8.5**	1.0 U	1.0 U	1.0 U	**230**	**1.4**	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	2.3	1.0 U	1.0 U	1.0 U	10	0.41 J	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.6	**18**	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.30 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.7	0.41 J	0.40 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.57 J
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	3.3	1.0 U	1.0 U	1.0 U	0.88 J	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.26 J	1.0 U	1.0 U	1.0 U	2.9	1.0 U	1.0 U	1.0 U	1.0 U
Hexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.80 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.39 J	1.0 U	1.0 U	1.0 U	0.44 J	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.82 J	1.0 U	1.0 U	1.0 U	0.37 J	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	**1.5**	**1.5**	0.89 J	1.0 U	1.0 U	1.0 U	0.44 J	0.31 J	0.68 J
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.86 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.3 J	3.0 U	3.0 U	3.0 U	3.0 U
Total VOCs	µg/L	ND	3.11	1.82	ND	41.74	2.31	2.72	3.6	286.29	4.54	0.78	0.31	2.66
Metals														
Arsenic	µg/L	**4.4**	2.5 U	2.5 U	2.5 U	**5.2**	2.5 U	2.5 U	2.5 U	**3.1**	3.0	2.5 U	2.5 U	2.5 U
Manganese	µg/L	49.1	**389**	**213**	**74.8**	**425**	35.9	**226**	**160**	**385**	**941**	45.4	43.9	**81.0**

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Criteria source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 3

ANALYTICAL RESULTS SUMMARY
MOST RECENT GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-51D*	*MW-52S*	*MW-52I*	*MW-52D*	*MW-53S*	*MW-53I*	*MW-53D*	*MW-54S*	*MW-54I*	*MW-54D*	*MW-55S*	*MW-55I*	*MW-55D*
Sample ID:		*14737-100710-29*	*14737-100610-27*	*14737-100710-42*	*14737-100610-28*	*14737-100810-45*	*14737-100810-44*	*14737-100810-46*	*14737-100510-11*	*14737-100510-10*	*14737-100410-09*	*14737-100610-24*	*14737-100610-25*	*14737-100610-26*
Sample Date:		*10/7/2010*	*10/6/2010*	*10/7/2010*	*10/6/2010*	*10/8/2010*	*10/8/2010*	*10/8/2010*	*10/5/2010*	*10/5/2010*	*10/4/2010*	*10/6/2010*	*10/6/2010*	*10/6/2010*
Parameter	*Units*													
Volatiles														
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.32 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	2.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	5.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.41 J	1.0 U	1.0 U	1.0 U	32	1.0 U	0.80 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrolein	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	2.7	1.0 U	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	14	1.0 U	0.32 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.81 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	0.49 J	1.0 U	1.0 U	8.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.77 J	0.48 J	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.36 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.9	1.0	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	0.33 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	27	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.78 J	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.9 J	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Total VOCs	µg/L	0.41	0.49	ND	ND	125.76	ND	6.38	ND	ND	ND	5.45	1.48	ND
Metals														
Arsenic	µg/L	2.5 U	2.4 J	2.5 U	2.5 U	2.5 U	2.5 U	6.2	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Manganese	µg/L	15.2	181	131	39.9	449	68.7	442	10.0 U	13.2	19.7	418	159	40.2

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Criteria source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 3

ANALYTICAL RESULTS SUMMARY
MOST RECENT GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-56S*	*MW-56I-1*	*MW-56I-2*	*MW-56D*	*MW-60S*	*MW-60S*	*MW-60D*	*MW-61S*	*MW-61D*	*MW-61D*	*MW-62S*	*MW-62D*	*MW-63S*	*MW-63S Bottom*
Sample ID:		*14737-031308-008*	*14737-031308-009*	*14737-031308-007*	*GW-14737-08*	*14737-1209-15*	*14737-1209-15*	*GW-14737-12*	*14737-031208-003*	*GW-14737-13*	*GW-14737-14*	*14737-031208-005*	*14737-031208-006*	*14737-031408-015*	*14737-102910-02*
Sample Date:		*3/13/2008*	*3/13/2008*	*3/13/2008*	*6/15/2010*	*12/1/2009*	*12/2/2009*	*6/16/2010*	*3/12/2008*	*6/16/2010*	*6/16/2010*	*3/12/2008*	*3/12/2008*	*3/14/2008*	*10/29/2010*
											Duplicate				
Parameter	*Units*														
Volatiles															
1,1,1-Trichloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U
1,1-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U
1,1-Dichloroethene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	-	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	-	4.5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichlorobenzene	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	-	2.6	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichloroethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U
1,2-Dichloropropane	µg/L	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	-	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U
1,3-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	6.6	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U
1,4-Dichlorobenzene	µg/L	0.4 U	0.4 U	0.4 U	0.54 J	1.0 U	-	50	0.4 U	0.53 J	0.38 J	0.4 U	0.4 U	0.4 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	0.7 U	0.7 U	0.7 U	10 U	10 U	-	10 U	0.7 U	10 U	10 U	0.7 U	0.7 U	0.7 U	10 U
Acetone	µg/L	1.5 U	1.5 U	1.5 U	10 U	10 U	-	10 U	1.5 U	10 U	10 U	1.5 U	1.5 U	1.5 U	10 U
Acrolein	µg/L	6.6 U	6.6 U	6.6 U	-	4.0 U	-	-	6.6 U	-	-	6.6 U	6.6 U	6.6 U	-
Acrylonitrile	µg/L	3.1 U	3.1 U	3.1 U	-	2.0 U	-	-	3.1 U	-	-	3.1 U	3.1 U	3.1 U	-
Benzene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	33	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U
Carbon tetrachloride	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U
Chlorobenzene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	51	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U
Chloroethane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	2.6	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U
Chloroform (Trichloromethane)	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U
cis-1,2-Dichloroethene	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	4.8	0.3 U	1.0 U	1.0 U	0.4	0.3 U	0.3 U	1.0 U
cis-1,3-Dichloropropene	µg/L	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U	-	1.0 U	0.1 U	1.0 U	1.0 U	0.1 U	0.1 U	0.1 U	1.0 U
Cyclohexane	µg/L	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U	-	1.0 U	0.6 U	1.0 U	1.0 U	0.6 U	0.6 U	0.6 U	1.0 U
Dibromochloromethane	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U	-	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U
Ethylbenzene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U
Hexane	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 UJ
m&p-Xylenes	µg/L	-	-	-	-	2.0 U	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	1.0 U	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U
o-Xylene	µg/L	-	-	-	-	1.0 U	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	1.0 U	0.4 U	0.87 J	0.87 J	0.4 U	0.7	2.1	1.1 J
Toluene	µg/L	0.3 U	0.3 U	0.4	0.93 J	1.0 U	-	1.0 U	0.3 U	1.0 U	1.0 U	0.3 U	0.3 U	0.3 U	1.0 U
trans-1,2-Dichloroethene	µg/L	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U	-	3.9	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	1.0 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	1.0 U	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U
Trichloroethene	µg/L	0.4 U	0.4 U	0.4 U	0.32 J	1.0 U	-	0.65 J	0.4 U	1.0 U	1.0 U	0.4 U	0.4 U	0.4 U	0.28 J
Vinyl chloride	µg/L	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	-	1.3	0.2 U	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	1.0 U
Xylenes (total)	µg/L	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U	-	3.0 U	0.4 U	3.0 U	3.0 U	0.4 U	0.4 U	0.4 U	3.0 U
Total VOCs	µg/L	ND	ND	0.4	1.79	ND	-	160.95	ND	1.4	1.25	0.4	0.7	2.1	1.38
Metals															
Arsenic	µg/L	5.26	2.53	9.92	6.3	-	4.1	2.5 U	1.33 J	2.5 U	2.5 U	2.4 J	0.41 J	1.49 J	-
Manganese	µg/L	78	72.1	518	217	-	81.7	296	47.7	178	177	14.8	29.9	41.3	-

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Criteria source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 3

ANALYTICAL RESULTS SUMMARY
MOST RECENT GROUNDWATER SAMPLING
JIS LANDFILL

Sample Location:		*MW-63S Top*	*MW-63D*	*MW-64S*	*MW-64D*	*MW-64D*	*RT-3*	*RT-3*
Sample ID:		*14737-102910-01*	*14737-031408-014*	*14737-031408-013*	*14737-031408-011*	*14737-031408-012*	*14737-1209-28*	*14737-1209-29*
Sample Date:		*10/29/2010*	*3/14/2008*	*3/14/2008*	*3/14/2008*	*3/14/2008*	*12/2/2009*	*12/2/2009*
						Duplicate		*Duplicate*
Parameter	*Units*							
Volatiles								
1,1,1-Trichloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	0.7 U	0.7 U	0.7 U	0.7 U	10 U	10 U
Acetone	µg/L	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	10 U
Acrolein	µg/L	-	6.6 U	6.6 U	6.6 U	6.6 U	4.0 U	4.0 U
Acrylonitrile	µg/L	-	3.1 U	3.1 U	3.1 U	3.1 U	2.0 U	2.0 U
Benzene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	0.2 U	0.3	0.2 U	0.2 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	0.1 U	0.1 U	0.1 U	0.1 U	1.0 U	1.0 U
Cyclohexane	µg/L	1.0 U	0.6 U	0.6 U	0.6 U	0.6 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	0.3 U	0.3 U	0.3 U	0.3 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Hexane	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
m&p-Xylenes	µg/L	-	-	-	-	-	2.0 U	2.0 U
Methylene chloride	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
o-Xylene	µg/L	-	-	-	-	-	1.0 U	1.0 U
Tetrachloroethene	µg/L	0.37 J	0.6	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	0.3 U	1.0	0.3 U	0.3 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U
Xylenes (total)	µg/L	3.0 U	0.4 U	0.4 U	0.4 U	0.4 U	3.0 U	3.0 U
Total VOCs	µg/L	0.37	0.6	1.3	ND	ND	ND	ND
Metals								
Arsenic	µg/L	-	7.65	1.29 J	0.298 J	0.266 J	2.5 U	2.5 U
Manganese	µg/L	-	62	87.1	21.4	21.7	66.1	67.1

Notes:

J - Estimated.
U - Non-detect at associated value.
UJ - Estimated reporting limit.
- - Not applicable.

Criteria Notes:
1 - Criteria source is NJDEP Table 2.
2 - Criteria source is NJDEP Table 3.
-- Not applicable.

TABLE 4

SUMMARY OF PROPERTIES INCLUDED IN CEA
JIS LANDFILL SUPERFUND SITE
SOUTH BRUNSWICK, NEW JERSEY

Block	*Lot*	*Property Address*	*Owner Name*	*Owner Address*	*Date of Tax Map*
Municipality of South Brunswick					
17.01	9.06	999 Cranbury So River Rd	J.I.S. Industrial Service Co.	PO Box 318, Jamesburg, NJ 08831	2006
17.01	10	1015 CRANBURY SO RIVER RD	KORDUS, ANNE S. (EST. OF)	1015 CRANBURY SO RIVER RD, JAMESBURG, NJ 08831	
Municipality of Monroe					
79	16	CRANBURY-SO RIVER RD 228	TERRANOVA PROPERTIES LLC	228 CRANBURY-SOUTH RIVER, MONROE TOWNSHIP, NJ 08831	2007
81	1	Docks Corner Road	Crown Incorporation	660 Plainsboro Rd, Plainsboro, NJ 08536	2007
81	2	Docks Corner Road	Protinick, Michael & Anna D	330 Dey Rd, Cranbury, NJ 08512	2007
81	8	Docks Corner Road	Herbert Harold D et al	184 So Moetz Drive, Milltown, NJ 08850	2007
81	14	Rhode Hall Road	Holy Trinity Church of Helmetta	100 Main St, Helmetta, NJ 08828	2007
81	15.01	Rhode Hall Road	Pirog Eugene P M.D.	16 Hiland Drive, Hillsborough, NJ 08844	2007
81	15.02	Rhode Hall Road	Pirog Eugene P M.D.	16 Hiland Drive, Hillsborough, NJ 08844	2007
81	19	DOCKS CORNER ROAD	ZAKRZEWSKI, JOSEPH C.	237 DAYTON ROAD, JAMESBURG, NJ 08831	2007
81	18.02	DOCKS CORNER ROAD	WOODHULL, THERESA	235-B DAYTON ROAD, JAMESBURG, NJ 08831	2007
81	17	DOCKS CORNER ROAD	ST. JOHN'S BAPTIST CHURCH	24 LAKE ST., JAMESBURG, NJ 08831	2007
81	16.01	DOCKS CORNER ROAD	HORZEMPA, WALTER & DONN	59 DAYTON ROAD, JAMESBURG, NJ 08831	2007
81	16.02	DOCKS CORNER RD. 57	DICKISON, SUSAN & ANCMON	57 DAYTON ROAD, JAMESBURG, NJ 08831	2007
81	16.03/16.04	DOCKS CORNER ROAD	RAPP, ROBERT & SHERRI S.	55 DAYTON ROAD, JAMESBURG, NJ 08831	2007
83	4	Bordentown Turnpike	Iadevaia, Vincent	234 Rhode Hall Road, Jamesburg, NJ 08831	2005
83	5.03	203 Rhode Hall Road	Demarco, Vera	203 Rhode Hall Road, Monroe, NJ, 08831	2005
83	5.04	205 Rhode Hall Road	205 Rhode Hall Road LLC	43 NARROWS WAY, MONROE, NJ 08831	2005
83	12.03	BORDENTOWN TURNPIKE 205	SMITH JR., MICHAEL & DIANE	205 BORDENTOWN TURNPIKE	
83	12.04	Bordentown Turnpike 203	Smith, Michael	203 Bordentown Turnpike, Monroe, NJ 08831	2005
84	19	Bordentown Turnpike	Iadevaia Tommaso & Son Contr	234 Rhode Hall Road, Jamesburg, NJ 08831	1992
84	20.01	224 Bordentown Turnpike	Guenther Howard	63 Cairns Place, Belle Mead, NJ 08502	1992
84	21.01	218 Bordentown Turnpike	Hluchy, Brian	218 Bordentown Turnpike, Monroe, NJ 08831	1992
95	5	Helmetta Road	County of Middlesex	1 JFK Square, Box 71, New Brunswick, 08903	1992
95	3.03	Cherry Blossom Drive	Wizard Enterprise, NJ Ltd Ptnshp	c/o TJ Bldg Corp, PO Box 206, South Amboy, NJ 08879	1998
95	3.04	41 Cherry Blossom Drive	Madorma, Keith & Kelly	41 Cherry Blossom Drive, Monroe, NJ 08831	1998
95	3.05	39 Cherry Blossom Drive	Kaiser, Paul P. & Karen Sue	39 Cherry Blossom Drive, Monroe, NJ 08831	1998
95	3.06	37 Cherry Blossom Drive	Allegro, Therese	37 Cherry Blossom Drive, Monroe, NJ 08831	1998
95	3.07	35 Cherry Blossom Drive	Wrobleski, Anthony R. & Marisa	35 Cherry Blossom Drive, Monroe, NJ 08831	1998
95	3.08	33 Cherry Blossom Drive	Fodor, Bruce A & Catherine	33 Cherry Blossom Drive, Monroe, NJ 08831	1998
95	3.09	31 Cherry Blossom Drive	Parisen, Robert W. & Susan A.	31 Cherry Blossom Drive, Monroe, NJ 08831	1998
95	3.10	29 Cherry Blossom Drive	Szczecina, Christine C	29 Cherry Blossom Drive, Monroe, NJ 08831	1998
95	3.11	2 Cherry Blossom Drive West	Keri, Craig J. & Jean M.	2 Cherry Blossom Drive West, Monroe, NJ 08831	1998
95	3.12	17 Mott Avenue	Casarella, James E. & Deborah	17 Mott Avenue, Monroe, NJ 08831	1998
95	3.13	19 Mott Avenue	Williams, Arthur & Patricia	19 Mott Avenue, Monroe, NJ 08831	1998
95.02	6	11 Harold Plaza	Keenan, Douglas & Suzanne	11 Harold Plaza, Monroe, NJ 08831	1998
95.02	7	13 Harold Plaza	Bruno, Gina M. & Turi, Victoria	13 Harold Plaza, Monroe, NJ 08831	1998
95.02	8	12 Harold Plaza	BATTAGLIA, JOSEPH & ROSAL	12 Harold Plaza, Monroe, NJ 08831	
95.02	9	10 Harold Plaza	ASCIOLLA, THOMAS	10 Harold Plaza, Monroe, NJ 08831	
95.02	19	48 Cherry Blossom Drive	Ben-Mlouka, Elyes G & Mettman,	48 Cherry Blossom Drive, Monroe, NJ 08831	1998
95.02	20	46 Cherry Blossom Drive	Lorfing, Richard & Sharon	46 Cherry Blossom Drive, Monroe, NJ 08831	1998
95.02	21	40 Cherry Blossom Drive	Gould, Brian & Deak, Kristine	40 Cherry Blossom Drive, Monroe, NJ 08831	1998
95.02	22	38 Cherry Blossom Drive	Janas, Victor F. & Bernadette G.	38 Cherry Blossom Drive, Monroe, NJ 08831	1998

TABLE 4

SUMMARY OF PROPERTIES INCLUDED IN CEA
JIS LANDFILL SUPERFUND SITE
SOUTH BRUNSWICK, NEW JERSEY

Block	*Lot*	*Property Address*	*Owner Name*	*Owner Address*	*Date of Tax Map*
95.02	23	36 Cherry Blossom Drive	O'Brien, Peter C. & Nancy T.	36 Cherry Blossom Drive, Monroe, NJ 08831	1998
95.02	24	34 Cherry Blossom Drive	Clapsis, Peter & Bernadette F.	34 Cherry Blossom Drive, Monroe, NJ 08831	1998
95.02	25	30 Cherry Blossom Drive	Wankmueller, Cheryl & Donald	30 Cherry Blossom Drive, Monroe, NJ 08831	1998
95.02	28	24 Cherry Blossom Drive	GRABOWSKI, STEPHEN & AMY	24 Cherry Blossom Drive, Monroe, NJ 08831	1998
95.02	29	22 Cherry Blossom Drive	BRAJOCO, ULISSES D. & MARIA	22 Cherry Blossom Drive, Monroe, NJ 08831	1998
95.02	30	20 Cherry Blossom Drive	SPARANDERA, BETH JEAN	20 Cherry Blossom Drive, Monroe, NJ 08831	1998
103	15	95 Helmetta Road	Landy-Rivas, Particia	95 Helmetta Road, Monroe, NJ 08831	2007
103	16	93 Helmetta Road	Nawracaj, Ryszard	93 Helmetta Road, Monroe, NJ 08831	2007
Municipality of Jamesburg					
67	1.01	313 Rhode Hall Road	Kowaleski, Veronica	313 Rhode Hall Rd, Jamesburg, NJ 08831	2005
67	2	131 Rhode Hall Road	Iadevia, Vincent	131 Rhode Hall Rd, Jamesburg, NJ 08831	2005
68	1	39B Quail Run	TOMARO, CHRISTINE	39B Quail Run, Jamesburg, NJ 08831	
68	1	37B Quail Run	MENDOCKER, ROSS	37B Quail Run, Jamesburg, NJ 08831	
68	1	30B Quail Run	FRATESI, LINDA	30B Quail Run, Jamesburg, NJ 08831	
68	1	32B Quail Run	KOHLER, STACEY	32B Quail Run, Jamesburg, NJ 08831	
68	2	310 Rhode Hall Road	Whitacre, James T & Xenia D	310 Rhode Hall Road, Jamesburg, NJ 08831	2005
68	3.01	312 Rhode Hall Road	Giudice, Kenneth & Kellyann	1564 Passaic Place, North Brunswick, NJ 08902	2005
68	3.02	314 Rhode Hall Road	Schneider, S. & E.	807 Georges Road, Monmouth Junction, NJ 08852	2005
68	3.03	102 Colletti Court	Mustillo, Corrado & Maria	18 Fresh Ponds Road, East Brunswick, NJ 08816	2005
68	3.04	105 Colletti Court	Egri, Peter	491 Route 33, Box 116C, Englishtown, NJ 07726	2005
68	3.05	104 Colletti Court	ECKENROTH,ELIZABETH R& S	860 SE 80TH STREET, OCALA, FL 34480	2005
68	3.06	103 Colletti Court	Quigley, Kevin & May	31 Keswick Road, East Windsor, NJ 08520	2005
68	3.07	101 Colletti Court	Giancola, Fernando	3 Lonnie Court, East Brunswick, NJ 08816	2005
68	7	29 Dayton Road	Fadden, Donald & Nancy	29 Dayton Road, Jamesburg, NJ 08831	2005
68	9.01	33 Dayton Road	Hulick, Jeffrey M & Dowd-Hulick	33 Dayton Road, Jamesburg, NJ 08831	2005
68	10	43 Dayton Road	Renz, Robert Linda	43 Dayton Road, Jamesburg, NJ 08831	2005
68	11.01	Colletti Terrace	Colletti Terrace LLC	10 Independence Place, South River, NJ 08882	2005
68	11.02	Colletti Terrace	Colletti Terrace LLC	10 Independence Place, South River, NJ 08882	2005
68	12	51 Dayton Road	Halasz, Gregory A.	42 Dayton Road, Jamesburg, NJ 08831	2005
68	13.04	55 Dayton Road	Rapp, Cheri S & Robert	55 Dayton Road, Jamesburg, NJ 08831	2005
68	13.05	53 Dayton Road	Halasz, Gregory A.	42 Dayton Road, Jamesburg, NJ 08831	2005

TABLE 5

CEA LONGEVITY CALCULATIONS
JIS LANDFILL SUPERFUND SITE
SOUTH BRUNSWICK, NEW JERSEY

Well Name	*R-Squared Value*									
	1,2-Dichloroethane	*1,2-Dichloropropane*	*1,4-Dichlorobenzene*	*Chlorobenzene*	*Chloroethane*	*Benzene*	*PCE*	*TCE*	*VC*	*Xylene (total)*
MW - 23D			0.76	0.05	0.13	0.71			0.79	
MW - 25D	0.98	0.81		0.38	**0.93**	0.85	**0.68**	**0.93**		
MW - 30D	**0.93**	**0.71**		**0.98**	0.87	**0.92**		0.86	0.94	
MW - 32D	0.80	0.44		0.77	1.00	0.93	0.0004	0.90		
MW - 34D			**0.52**	0.96	0.36	0.84		0.27	**0.05**	

Well Name	*R Value*									
	1,2-Dichloroethane	*1,2-Dichloropropane*	*1,4-Dichlorobenzene*	*Chlorobenzene*	*Chloroethane*	*Benzene*	*PCE*	*TCE*	*VC*	*Xylene (total)*
MW - 23D			0.87	0.22	0.36	0.84			0.89	
MW - 25D	0.99	0.90		0.62	0.96	0.92	0.83	0.97		
MW - 30D	0.96	0.84		0.99	0.93	0.96		0.92	0.97	
MW - 32D	0.89	0.66		0.88	1.00	0.97	0.02	0.95		
MW - 34D			0.72	0.98	0.60	0.91		0.52	0.22	

Well Name	*Slope*									
	1,2-Dichloroethane	*1,2-Dichloropropane*	*1,4-Dichlorobenzene*	*Chlorobenzene*	*Chloroethane*	*Benzene*	*PCE*	*TCE*	*VC*	*Xylene (total)*
MW - 23D			0.0003	-0.0001	-0.0002	-0.0010			-0.0008	
MW - 25D	-0.0017	-0.0006		-0.0006	**-0.0006**	-0.0012	**-0.0004**	**-0.0007**		
MW - 30D	**-0.0013**	**-0.0005**		**-0.0009**	-0.0011	**-0.0008**		-0.0005	-0.0013	
MW - 32D	-0.0020	-0.0007		-0.0016	-0.0024	-0.0020	-0.00001	-0.0009		
MW - 34D			**-0.0004**	-0.0005	-0.0004	-0.0007		-0.0003	**-0.0001**	

	degradation rate (k)	C_0	C	ln (C/C0)	Time	
	per day	µg/L	µg/L	--	Days	Years
1,2-Dichloroethane	-	-	-	-	-	-
1,2-Dichloropropane	-0.0005	1.00	1.00	0.00	0.00	0.0
1,4-Dichlorobenzene [1]	-	-	-	-	-	-
Benzene	-0.0008	49.00	1.00	-3.89	4627.56	**12.7**
Chlorobenzene	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-
PCE	-0.0004	1.70	1.00	-0.53	1403.24	**3.8**
TCE	-0.0007	1.00	1.00	0.00	0.00	0.0
VC	-0.0001	1.10	1.00	-0.10	1041.91	**2.9**
Xylene (total)	-	-	-	-	-	-

Note:

(1) The concentration of 1,4-DCB is currently increasing at one of the wells (MW-23D). This trend is expected to reverse to a decreasing trend once the treatment zone of oxygen enriched groundwater created by the biosparge injection system reaches this well location.

APPENDIX A

MIDDLESEX COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH FILE REVIEW MATERIAL

Stephen J. Dalina
Freeholder Director

Christopher D. Rafano
Deputy Director

Carol Barrett
H. James Polos
Ronald G. Rios
Mildred S. Scott
Blanquita B. Valenti
Freeholders

COUNTY OF MIDDLESEX
ENVIRONMENTAL HEALTH DIVISION
711 JERSEY AVENUE
NEW BRUNSWICK, NJ 08901

Ronald G. Rios
Chairperson, Committee of Public Health & Education

John A. Pulomena
County Administrator

732-745-8480
FAX 732-745-8484

RECEIVED
NOV 13 2009
CRA, INC.
EDISON, NJ

November 10, 2009

Tiina Seres
CRA Inc.
135 Raritan Center Parkway, Ste. 5
Edison, NJ 08837

Dear Ms. Seres:

We have received your recent request for information wherein you are seeking documents related to 205 Rhode Hall Rd., Monroe, NJ Block: 83 Lot: 5.04.

Please be advised that we have compiled the requested documents, which total 12 pages. The copy fee for this totals $8.50.

It will be necessary that you prepare a check in the aforementioned amount, made payable to the Middlesex County Treasurer, and forward it to this office. Upon receipt of your check, the documents will be released to you.

If you have any questions regarding this matter, please contact me.

Very truly yours,

Sharon Martens
Registered Environmental Health Specialist

Cc: Mickey Gross, Division Head

/R-133
/01

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

RECEIVED
JUL 03 2003
MCDEH/WP

Permit No. 2500052308

MAIL TO:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 28 . 14 . 123

Property Owner DAVID DEMARCO
Address 205 RHODE HALL ROAD
MONROE TOWNSHIP, NJ 08831

Driller PICKWICK WELL DRILLING, INC.
Address 10 WATER STREET
FARMINGDALE, NJ 07727

Name of Facility FUNERAL HOME
Address 205 RHODE HALL ROAD
MONROE TOWNSHIP, NJ 08831

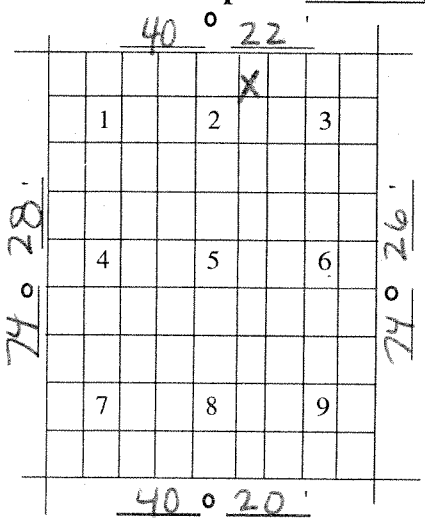
Diameter of Well	4 Inches	Proposed Depth of Well	60 Feet
Proposed Capacity of Pump	20 GPM	Method of Drilling (Cable-tool, Rotary, etc.)	ROTARY
Use of Well (See Reverse)	IRRIGATION		
Drinking Water Supply?	yes (see #7 on reverse)		no

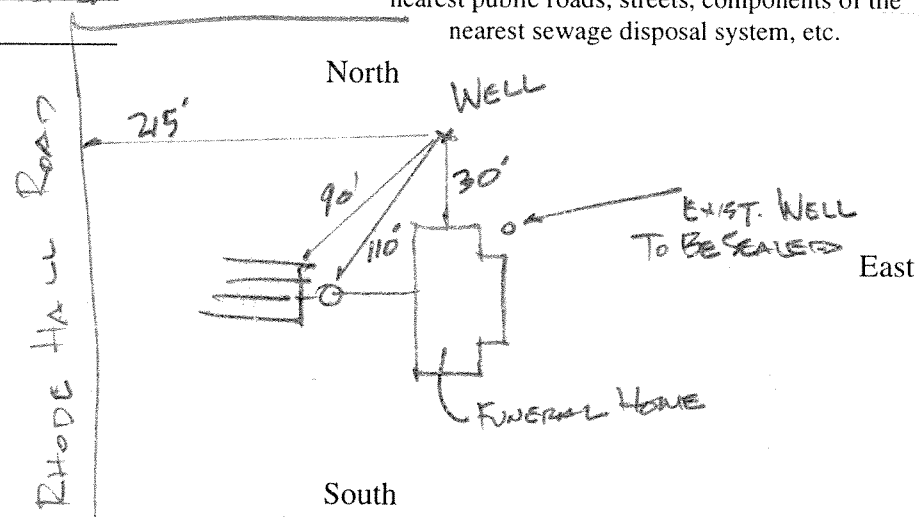
LOCATION OF WELL Mi. L. 19.8

Lot #	Block #	Municipality	County
5.4	83	MONROE	MIDDLESEX

State Atlas Map No. 28

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.





PROVIDED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____
OR
LATITUDE: __ ° __ ' __ " LONGITUDE: __ ° __ ' __ "

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- ☐ **PUBLIC COMMUNITY Water Supply** Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- ☐ **INDUSTRIAL SUPPLY** - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- ☒ **IRRIGATION SUPPLY** - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- ☐ **REPLACEMENT WELL** - Existing well must be sealed by a New Jersey licensed well driller of the proper class upon abandonment.
- ☐ PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- ☐ MINIMUM distance requirements as per N.J.A.C. 7:9D-2.7 have not been met - see attached condition(s).
- ☐ The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.
- ☐ _____

WELL PERMIT APPROVED
N.J. D.E.P.
JUN 27 2003
BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 6/20/03 Signature of Driller Norman Thomas Registration No. M1040

Signature of Property Owner Mr David DeMarco, by NP

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

Fee $ 25.00

MONROE TOWNSHIP HEALTH DEPARTMENT

Municipal Complex - Perrineville Road
Jamesburg, N.J. 08831

Application for Permit to Construct a Water Supply

Date 6/30/03

Owner David De Marco

Address 205 Rhode Hall Road

Address at which well is to be drilled Block 83 Lot 5.4
same as above

Name and address of contractor Pickwick Well Drilling Inc., 10 Water St., Farmingdale, NJ 07727
Telephone 732-938-5300, Fax 732-938-3060

Describe the water supply in detail

Use of Well: Irrigation Use Only
Estimated Well Depth: 60'
Well Casing: 4" PVC Sched. 40
Source of Water for Drilling: Potable Supply from Well Driller's Shop
Method of Sealing of Annulus: Bentonite Grout, per NJDEP Code
Pumping Equipment and Capacity: Submersible Pump 20 gpm
Storage Facilities: Captive Air Tank (minimum 82 gal. equivalent)
Method of Sealing of Water Line: Pitless Adapter
Well Disinfection: 1,000 PPM CL2 (HTH)
NJDEP Permit: 2800052308
Driller License Number: Norman Primost- M1040, David Primost- M1041, Ben Primost- M13762

PLEASE SEND APPROVED PERMIT AND ALL CORRESPONDENCE TO WELL DRILLER

(over)

DWR-133
11/01

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

Permit No. 20005230E

MAIL TO:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 25.14.123

Property Owner DAVID DEMARCO
Address 205 RHODE HALL ROAD
MONROE TOWNSHIP, NJ 08831

Driller PICKWICK WELL DRILLING, INC.
Address 10 WATER STREET
FARMINGDALE, NJ 07727

Name of Facility FUNERAL HOME
Address 205 RHODE HALL ROAD
MONROE TOWNSHIP, NJ 08831

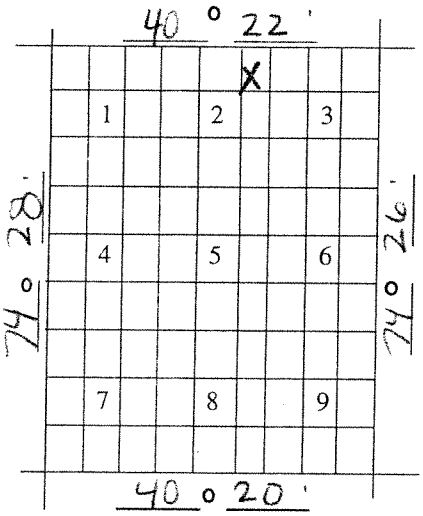
Diameter of Well	4 Inches	Proposed Depth of Well	60 Feet
Proposed Capacity of Pump	20 GPM	Method of Drilling (Cable-tool, Rotary, etc.)	ROTARY
Use of Well (See Reverse)	IRRIGATION		
Drinking Water Supply?	yes (see #7 on reverse)		no

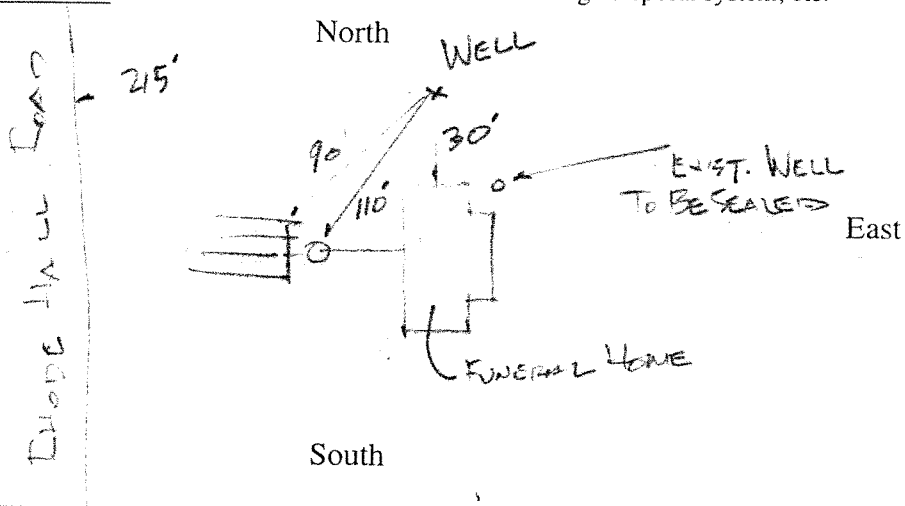
LOCATION OF WELL Mi. L. 19.8

Lot #	Block #	Municipality	County
5.4	83	MONROE	MIDDLESEX

State Atlas Map No. 28

Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.





PROVIDED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____
OR
LATITUDE: ___ o ___ ' ___ " LONGITUDE: ___ o ___ ' ___ "

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- ☐ **PUBLIC COMMUNITY Water Supply** Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- ☐ **INDUSTRIAL SUPPLY** - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- ☒ **IRRIGATION SUPPLY** - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- ☐ **REPLACEMENT WELL** - Existing well must be sealed by a New Jersey licensed well driller of the proper class upon abandonment.
- ☐ PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- ☐ MINIMUM distance requirements as per N.J.A.C. 7:9D-2.7 have not been met - see attached condition(s).
- ☐ The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.
- ☐ _____

WELL PERMIT APPROVED
N.J. D.E.P.
JUN 27 2003
BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 6/20/03 Signature of Driller [signature] Registration No. M1140

Signature of Property Owner M. David DeMarco by [signature]

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

Fee $ 25.00

MONROE TOWNSHIP HEALTH DEPARTMENT

Municipal Complex - Perrineville Road
Jamesburg, N.J. 08831

Application for Permit to Construct a Water Supply

Date 6/30/03

Owner David De Marco

Address 205 Rhode Hall Road

Address at which well is to be drilled Block 83 Lot 5.4
same as above

Name and address of contractor Pickwick Well Drilling Inc., 10 Water St., Farmingdale, NJ 07727
Telephone 732-938-5300, Fax 732-938-3060

Describe the water supply in detail

Use of Well: Irrigation Use Only
Estimated Well Depth: 60'
Well Casing: 4" PVC Sched. 40
Source of Water for Drilling: Potable Supply from Well Driller's Shop
Method of Sealing of Annulus: Bentonite Grout, per NJDEP Code
Pumping Equipment and Capacity: Submersible Pump 20 gpm
Storage Facilities: Captive Air Tank (minimum 82 gal. equivalent)
Method of Sealing of Water Line: Pitless Adapter
Well Disinfection: 1,000 PPM CL2 (HTH)
NJDEP Permit: 2800052308
Driller License Number: Norman Primost- M1040, David Primost- M1041, Ben Primost- M13762

PLEASE SEND APPROVED PERMIT AND ALL CORRESPONDENCE TO WELL DRILLER

(over)

DWR-133
11/01

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

MAIL TO:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

Permit No. 2500052308

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 45.14.123

Property Owner DAVID DEMARCO
Address 205 RHODE HALL ROAD
MONROE TOWNSHIP, NJ 08831

Driller PICKWICK WELL DRILLING, INC.
Address 10 WATER STREET
FARMINGDALE, NJ 07727

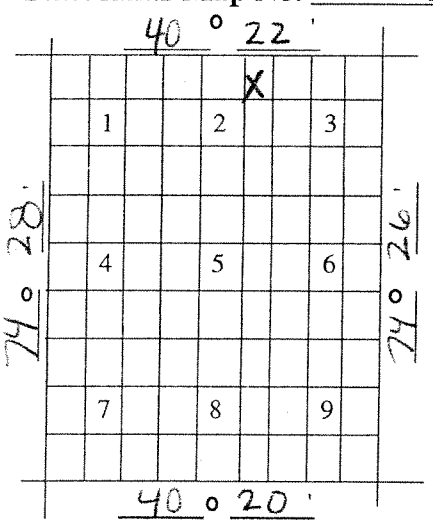
Name of Facility FUNERAL HOME
Address 205 RHODE HALL ROAD
MONROE TOWNSHIP, NJ 08831

Diameter of Well	4 Inches	Proposed Depth of Well	60 Feet
Proposed Capacity of Pump	20 GPM	Method of Drilling (Cable-tool, Rotary, etc.)	ROTARY
Use of Well (See Reverse)	IRRIGATION		
Drinking Water Supply?	yes (see #7 on reverse)		no

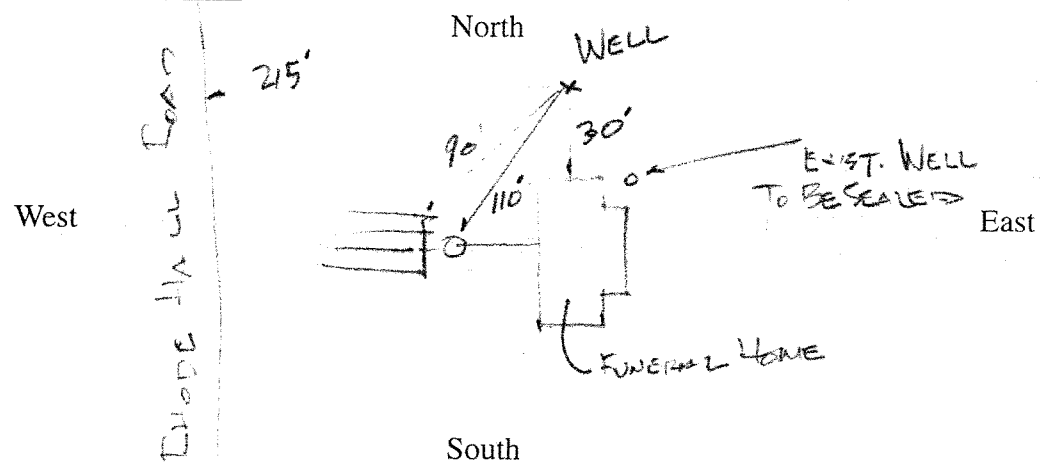
LOCATION OF WELL Mi. L. 19.8

Lot #	Block #	Municipality	County
5.4	83	MONROE	MIDDLESEX

State Atlas Map No. 28



Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



PROVIDED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____
OR
LATITUDE: __ ° __ ' __ " LONGITUDE: __ ° __ ' __ "

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- ☐ **PUBLIC COMMUNITY Water Supply** Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- ☐ **INDUSTRIAL SUPPLY** - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- ☒ **IRRIGATION SUPPLY** - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- ☐ **REPLACEMENT WELL** - Existing well must be sealed by a New Jersey licensed well driller of the proper class upon abandonment.
- ☐ PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- ☐ MINIMUM distance requirements as per N.J.A.C. 7:9D-2.7 have not been met - see attached condition(s).
- ☐ The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.
- ☐ _____

WELL PERMIT APPROVED
N.J. D.E.P.
JUN 27 2003
BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 6/20/03 Signature of Driller [signature] Registration No. M1140

Signature of Property Owner M. David DeMarco, by NP

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue Driller - White

MONROE TOWNSHIP BOARD OF HEALTH

N 471

(Permit) To Locate and Construct a Water Supply

Permission is hereby granted to Pickwick Well Drilling
Name of Owner or Contractor
for David DeMarco, 205 Rhode Hall Rd, Monroe Twp

to locate and construct a water supply Irrigation well

at Block No. 83 Lot No. 5.4 Street 205 Rhode Hall Road

as shown on Application for Permit to Locate and Construct a Water Supply. No. .....

Dated 6/30/03, in accordance with the provisions of an ordinance entitled "An ordinance establishing a code regulating the location, construction, alteration, use and supervision of individual and semi-public water supplies, requiring certain permits, providing for the inspection of such supplies, the fixing of fees and prescribing penalties for violations," adopted by the Board of Health of Monroe Township on May 19, 1964.

BOARD OF HEALTH OF MONROE TOWNSHIP

Lucaine H. Mottola
Administrative Officer

Date July 22, 2003

Fee $25.00

Facsimile transmittal

Pickwick Well Drilling Inc.
10 Water Street
Farmingdale, NJ 07727
Phone 732-938-5300
Fax 732-938-3060

Date: July 28, 2003
From: Barbara
To: Loraine
Middlesex County HD
Fax: 732-745-8484
Pages: 2 (including this cover page)
Subject: check stub

Comments:

The following is a copy of the receipt for the permit fee for DeMarco Funeral Home, 205 Rhode Hall Road, Monroe, Block # 83, Lot # 5.4. We will be drilling on Wednesday 7/30. Mr. Spillatore asked me to fax you a copy and you will fax me an approval letter. Thank You!

Monroe Township Clerk's Office
One Municipal Plaza
Monroe, New Jersey 08831

3812

Date 7-1 1903

Received of Pickwick Well Drilling Inc

Twenty five Dollars

Well Permit - Blk 83, Lot 54 205 Phoebe Hall Rd

$25.00 cc 21930 Thank You By Deposit 7-2-03

HEALTH

New Jersey Department of Environmental Protection
Bureau of Water Allocation

RECEIVED
SEP 29 2003
MCDEH/WP

WELL RECORD

Well Permit Number
2800052308

Atlas Sheet Coordinates
2814123

OWNER DAVID DEMARCO

Address 205 RHODE HALL ROAD

City Monroe State New Jersey Zip Code 08831

WELL LOCATION ADDRESS 205 RHODE HALL ROAD **Owner's Well No.**

County Middlesex Municipality Monroe Twp Lot No. 5.4 Block No. 83

WELL USE Irrigation **DATE WELL STARTED** 9/12/03

DATE WELL COMPLETED 9/12/03

WELL CONSTRUCTION

Total Depth Drilled 77 ft.

Finished Well Depth 77 ft.

Borehole Diameter:

Top 8.5 in.

Bottom 8.5 in.

Well Casing Begins:

1 ft. above grade or

ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1	62	4	PVC	Sched. 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used)	62	72	4	PVC	Sched. 40
Blank Casings (No. Used)					
Tail Piece	72	77	4	PVC	Sched. 40
Gravel Pack	54	77	8.5	Blended	.025
Grout	3	54	8.5	Neat Cement / Bentonite	lbs / 200 lbs

RECORD OF TEST

Test Date 09 / 12 / 03

Static Water Level 15 ft. below land surface

Water Level Measured Using Measured tape

Pumping Water Level 60 ft. below land surface

Well Was Pumped Using Air lift

Well Yield 75 gpm

If Pump Tested Discharge Rate gpm

Duration of Test hours

Grouting Method Pressure through tremie

Drilling Method Mud Rotary

PERMANENT PUMPING EQUIPMENT

Installed by Dave Travis Reg. No. M0939

Pump Type Submersible

Depth of Pump below land surface 50 ft.

Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company PICKWICK WELL DRILLING INC

Well Driller (Print) Ben Primost

Driller's Signature

Registration No. M13762 Date 09 / 23 / 03

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-5 Coarse brown sand

5-48 Fine brown sand w/ brown clay

48-77 Medium brown sand

ORIGINAL: DEP 9/26/03 *COPIES: DRILLER* *OWNER* *HEALTH DEPARTMENT*

RECEIVED

DWR-020
7/02

SEP 26 2003

New Jersey Department of Environmental Protection
Water Supply Element - Bureau of Water Allocation

WELL ABANDONMENT REPORT

MCDEH/WP

MAIL TO: **Bureau of Water Allocation**
PO Box 426
Trenton, NJ 08625-0426

WELL PERMIT # 2510608 of well sealed

DATE WELL SEALED 9/12/03

PROPERTY OWNER DAVID DEMARCO

ADDRESS DeMarco Funeral Home, 205 Rhode Hall Rd., Monroe Twp. NJ 08831

WELL LOCATION SAME AS ABOVE, Monroe Twp., Middlesex Co.
Street & No., Township, County

Well No.	Lot No.	Block No.
–	5.4	53

USE OF WELL PRIOR TO ABANDONMENT: IRRIGATION

REASON FOR ABANDONMENT: BUILDING ADDITION OVER WELL LOCATION

WAS A NEW WELL DRILLED? ☒ YES ☐ NO PERMIT # OF NEW WELL 28 00052308

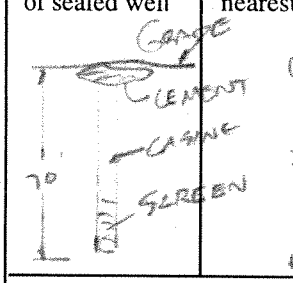
TOTAL DEPTH OF WELL 70'
DIAMETER 4
CASING LENGTH 58'
SCREEN LENGTH 12
NUMBER OF CASINGS 1

MATERIAL USED TO DECOMMISSION WELL:

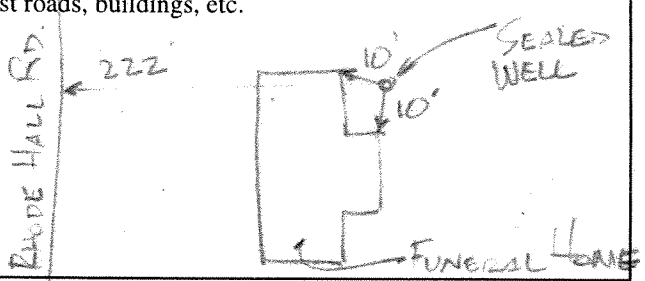
52 Gallons of Water
– Lbs. of Cement
100 Lbs. of Bentonite
– Lbs. of Sand/Gravel
(none if well is contaminated)

FORMATION: ____ Consolidated
X Unconsolidated

Cross-section of sealed well



Draw a sketch showing distance and relations of well site to nearest roads, buildings, etc.



AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)
NJ STATE PLACE COORDINATE IN US SURVEY FEET

N

NORTHING: _____ EASTING: _____
OR
LATITUDE: __ __ ' __ . __" LONGITUDE: __ __ ' __ . __"

To permit adequate grouting, the casing should remain in place, but ungrouted liner pipes or any other obstructions must be removed. Pressure grouting is the only accepted method.

WAS CASING LEFT IN PLACE? ☒ YES ☐ NO CASING MATERIAL: PVC

WERE OTHER OBSTRUCTIONS LEFT IN WELL? ☐ YES ☒ NO WHAT WERE THE OBSTRUCTIONS: _____

IF "YES", AUTHORIZATION GRANTED BY _____ ON _____
(NJDEP Official) (Date)

Was an alternative decommissioning method used and/or approval to decommission granted by a DEP official? ☐ YES ☒ NO

IF "YES", authorization granted by _____ ON _____
(NJDEP Official) (Date)

I certify that this well was sealed in accordance with N.J.A.C. 7:9D-3 et seq.

Jen PRIMOST, PICKWICK WELL DRILLING, 10 WATER ST, FARMINGDALE, NJ 07727 9/24/03
Performing Work (Print or Type) Address Mailing Date
Name of NJ Licensed Well Driller

Signature of NJ Licensed Well Driller Performing Work M13762 Registration #

COPIES: *White - Water Allocation* *Yellow - Owner* *Pink - Health Dept.* *Goldenrod - Driller*

9/24/03

MONROE TOWNSHIP BOARD OF HEALTH

N° 471

(Permit) To Locate and Construct a Water Supply

Permission is hereby granted to Pickwick Well Drilling
Name of Owner or Contractor
for DAVID DeMarco, 205 Rhode Hall Rd, Monroe Twp

to locate and construct a water supply IRRIGATION well

at Block No. 83 Lot No. 5.4 Street 205 Rhode Hall ROAD

as shown on Application for Permit to Locate and Construct a Water Supply. No. _____

Dated 6/30/03, in accordance with the provisions of an ordinance entitled "An ordinance establishing a code regulating the location, construction, alteration, use and supervision of individual and semi-public water supplies, requiring certain permits, providing for the inspection of such supplies, the fixing of fees and prescribing penalties for violations," adopted by the Board of Health of Monroe Township on May 19, 1964.

Irrigation Well

Seating OIB

Irrigation Well

BOARD OF HEALTH OF MONROE TOWNSHIP

Luaine H. Mottola
Administrative Officer

Date July 22, 2003

Fee $25.00

Monroe Township Clerk's Office
One Municipal Plaza
Monroe, New Jersey 08831

3812

Date 7-1 1903

Received of Pickwick Well Drilling Co.
Twenty-five Dollars
Well Permit - Blk 83 Lot 54 205 Phalanx Rd
$25.00 cc 21930
Thank You By Deposit 7-2-03

HEALTH

State of New Jersey
County of Middlesex
GOVERNMENT RECORDS REQUEST FORM
Failure to complete all required information will result in your form being deemed incomplete. It will be returned to the requestor.

OPRA | Open Public Records Act

Important Notice
The reverse side of this form contains important information related to your rights concerning government records. Please read it carefully.

Requestor Information — Please Print

First Name Tiina MI T Last Name Seres
Company CRA Inc.
Mailing Address 135 Raritan Center Parkway Ste 5.
City Edison State NJ Zip 08837 Email tseres@cmworld.com
Business Hours Telephone: Area Code 732 Number 225-0308 Extension
FAX: Area Code 732 Number 225-0193
Preferred Delivery: Pick Up ___ US Mail ___ Other ✓ On Site Inspect ___
Signature TS. Date 11/9/09

Circle One: Under penalty of N.J.S.A. 2C:28-3, I certify that I ***HAVE / HAVE NOT*** been convicted of any indictable offense under the laws of New Jersey, any other state, or the United States.

Signature TS Date 11/9/09

Payment Information

Maximum Authorization Cost $___

Select Payment Method

Cash ___ Check ___ Money Order ___

Fees: Pages 1-10 @$0.75 ea.
Pages 11-20 @$0.50 ea.
Pages 21- @$0.25 ea.

Delivery: Delivery / postage fees additional depending upon delivery type.

Extras: Extraordinary service fees dependent upon request.

Record Request Information: To expedite the request, be as specific as possible in describing the records being requested. Also, please include the type of access requested (copying or inspection), and if data, the medium requested.

CRA is reviewing the results of a NJDEP well search and have identified Domestic well permits and/or records at the following property:

Monroe Block: 83 Lot: 5.04 205 Rhode Hall Rd.

Please advise the status of the domestic well, latest sample date, sample results, and the name of current well owner.

AGENCY USE ONLY

Est. Document Cost ___
Est. Delivery Cost ___
Est. Extras Cost ___
Total Est. Cost ___
Deposit Amount ___
Estimated Balance ___
Deposit Date ___

AGENCY USE ONLY

Disposition Notes
Custodian: If any part of request cannot be delivered in seven business days, detail reasons here.

In Progress ___ Open ___
Denied ___ Closed ___
Filled ___ Closed ___
Partial ___ Closed ___

AGENCY USE ONLY

Tracking Information
Tracking # ___
Rec'd Date ___
Ready Date ___
Total Pages ___

Final Cost
Total ___
Deposit ___
Balance Due ___
Balance Paid ___

Records Provided

Custodian Signature ___ Date ___

Rev. 4/09

-OVER-

Stephen J. Dalina
Freeholder Director

Christopher D. Rafano
Deputy Director

Carol Barrett
H. James Polos
Ronald G. Rios
Mildred S. Scott
Blanquita B. Valenti
Freeholders

COUNTY OF MIDDLESEX
ENVIRONMENTAL HEALTH DIVISION
711 JERSEY AVENUE
NEW BRUNSWICK, NJ 08901

Ronald G. Rios
Chairperson, Committee of Public Health & Education

John A. Pulomena
County Administrator

732-745-8480
FAX 732-745-8484

November 10, 2009

Tiina Seres
CRA, Inc.
135 Raritan Center Parkway
Edison, NJ 08837

Dear Ms. Seres:

We have received your request for information regarding 203 Rhode Hall Rd., Monroe, NJ Block: 83 Lot: 5.03. Please be advised that there are no files in our department regarding your request. If you have any questions regarding this matter, please do not hesitate to contact me.

Very truly yours,

Sharon Martens
Registered Environmental Health Specialist

Cc: Mickey Gross; Environmental Division Head

State of New Jersey
County of Middlesex
GOVERNMENT RECORDS REQUEST FORM
Failure to complete all required information will result in your form being deemed incomplete. It will be returned to the requestor.

OPRA | Open Public Records Act

Important Notice
The reverse side of this form contains important information related to your rights concerning government records. Please read it carefully.

Requestor Information — Please Print

First Name Tiina MI I Last Name Seres
Company CRA Inc.
Mailing Address 135 Raritan Center Parkway Ste 5.
City Edison State NJ Zip 08837 Email tseres@crawrld.com
Business Hours Telephone: Area Code 732 Number 225-0308 Extension
FAX: Area Code 732 Number 225-0193
Preferred Delivery: Pick Up ___ US Mail ___ Other ✓ On Site Inspect ___
Signature TS. Date 11/9/09

Circle One: Under penalty of N.J.S.A. 2C:28-3, I certify that I ***HAVE / HAVE NOT*** been convicted of any indictable offense under the laws of New Jersey, any other state, or the United States.

Signature TS Date 11/9/09

Payment Information

Maximum Authorization Cost $___

Select Payment Method

Cash ___ Check ___ Money Order ___

Fees:		
	Pages 1-10	@$0.75 ea.
	Pages 11-20	@$0.50 ea.
	Pages 21-	@$0.25 ea.

Delivery: Delivery / postage fees additional depending upon delivery type.

Extras: Extraordinary service fees dependent upon request.

Record Request Information: To expedite the request, be as specific as possible in describing the records being requested. Also, please include the type of access requested (copying or inspection), and if data, the medium requested.

CRA is reviewing the results of a NJDEP well search and have identified Domestic well permits and/or records at the following property:
Monroe Block: 83 Lot: 5.03 203 Rhode Hall Road

Please advise the status of the domestic well, latest sample date, sample results, and the name of current well owner.

AGENCY USE ONLY

Est. Document Cost ___
Est. Delivery Cost ___
Est. Extras Cost ___
Total Est. Cost ___
Deposit Amount ___
Estimated Balance ___
Deposit Date ___

AGENCY USE ONLY

Disposition Notes
Custodian: If any part of request cannot be delivered in seven business days, detail reasons here.

In Progress ___ Open ___
Denied ___ Closed ___
Filled ___ Closed ___
Partial ___ Closed ___

AGENCY USE ONLY

Tracking Information		Final Cost	
Tracking #		Total	
Rec'd Date		Deposit	
Ready Date		Balance Due	
Total Pages		Balance Paid	

Records Provided

Custodian Signature ___ Date ___

Rev. 4/09

-OVER-

Stephen J. Dalina
Freeholder Director

Christopher D. Rafano
Deputy Director

Carol Barrett
H. James Polos
Ronald G. Rios
Mildred S. Scott
Blanquita B. Valenti
Freeholders

COUNTY OF MIDDLESEX
ENVIRONMENTAL HEALTH DIVISION
711 JERSEY AVENUE
NEW BRUNSWICK, NJ 08901

Ronald G. Rios
Chairperson, Committee of Public Health & Education

John A. Pulomena
County Administrator

732-745-8480
FAX 732-745-8484

November 13, 2009

RECEIVED
NOV 16 2009
CRA, INC.
EDISON, NJ

Tiina Seres
CRA, Inc.
135 Raritan Center Parkway
Edison, NJ 08837

Dear Ms. Seres:

We have received your request for information regarding two properties in Jamesburg, NJ. Please be advised that there are no files in our department regarding your request. If you have any questions regarding this matter, please do not hesitate to contact me.

Very truly yours,

Sharon Martens
Registered Environmental Health Specialist

Cc: Mickey Gross; Environmental Division Head

Stephen J. Dalina
Freeholder Director

Christopher D. Rafano
Deputy Director

Carol Barrett
H. James Polos
Ronald G. Rios
Mildred S. Scott
Blanquita B. Valenti
Freeholders

COUNTY OF MIDDLESEX
ENVIRONMENTAL HEALTH DIVISION
711 JERSEY AVENUE
NEW BRUNSWICK, NJ 08901

Ronald G. Rios
Chairperson, Committee of Public Health & Education

John A. Pulomena
County Administrator

732-745-8480
FAX 732-745-8484

November 13, 2009

RECEIVED
NOV 16 2009
CRA, INC.
EDISON, NJ

Tiina Seres
CRA Inc.
135 Raritan Center Parkway, Ste. 5
Edison, NJ 08837

Dear Ms. Seres:

We have received your recent request for information wherein you are seeking documents related to several block and lots in Monroe, NJ.

Please be advised that we have compiled the requested documents, which total 18 pages. The copy fee for this totals $11.50.

It will be necessary that you prepare a check in the aforementioned amount, made payable to the Middlesex County Treasurer, and forward it to this office. Upon receipt of your check, the documents will be released to you.

If you have any questions regarding this matter, please contact me.

Very truly yours,

Sharon Martens
Registered Environmental Health Specialist

Cc: Mickey Gross, Division Head

DWR-133 (1/84)

Mail to

Water Allocation
CN 029
Trenton, N.J. 08625

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
TRENTON, N.J.

Permit No. 28-14678

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

NOT APPROVED

Owner: Monroe Twp MUA

Address: Cranbury Station Road
Cranbury, NJ 08512

Driller: PICKWICK WELL DRILLING
~~P.O. Box 6~~
Address: Farmingdale, NJ 07727

Name of Facility: Helmetta Road Road Well
East Sherman St Pumping Statio
Address: ~~Jamesburg Helmetta Road~~
Jamesburg, NJ 08831

Diameter of Well	4 Inches	Proposed Depth of Well	75 Feet
Proposed Capacity of Pump	15 GPM	Method of Drilling (cable-tool, rotary, etc.)	Rotary
Use of Well (See Reverse)	Individual Water Supply for pump station(Domestic-New)		

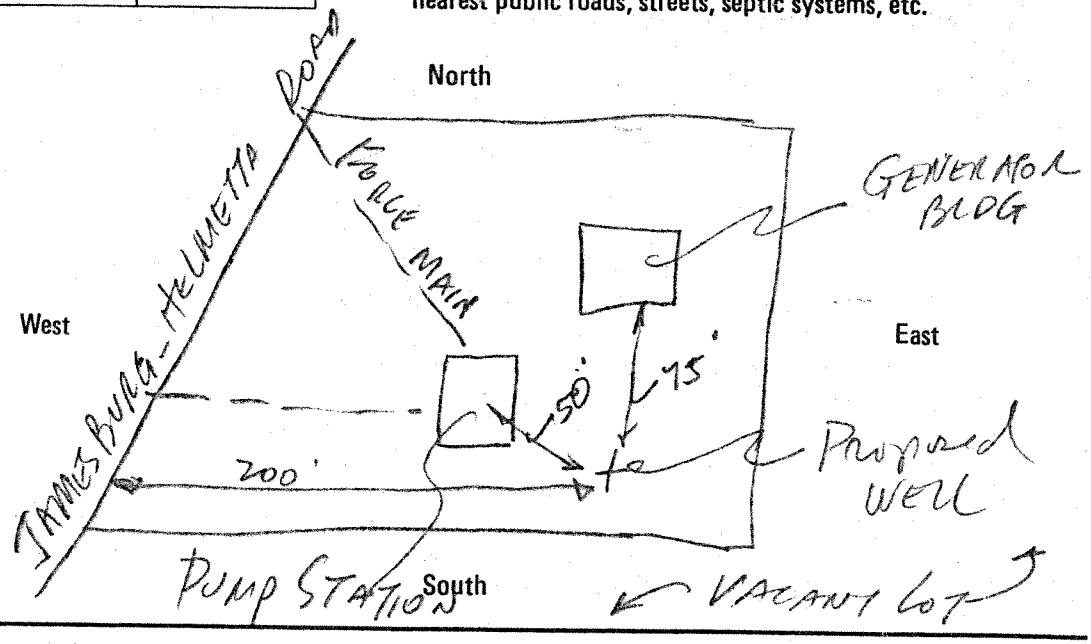
LOCATION OF WELL

Lot #	Block #	Municipality	County
18	103	Monroe	Middlesex

State Atlas Map No. 28

28.14.2.1.4
Elev 30

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- ☐ Permit issued in accordance with provisions of letter of transmittal dated _____.
- ☐ Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- ☐ Samples of cuttings required every _____ feet.
- ☐ The results of a volatile organic scan mut be obtained prior to using the water and submitted to _____.
- ☐ **Domestic Potable Water Supply** - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- ☐ **Domestic Irrigation Supply** - No piping from the well for which the permit applies shall enter any building.
- ☐ **Industrial/Commercial Supply** - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- ☐ **Heat Pump Wells** - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- ☐ _____

This Space for Approval Stamp

WELL PERMIT
APPROVED
OCT 23 1984
DEPT. ENV. PROTECTION
DIV. OF WATER RESOURCES
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date: 10-22-84

Signature of Owner: for CHRIS-TEC ASSOCIATES, INC by David Quinn, Well Driller

COPIES: *Water Allocation — White* *Health Dept. — Yellow* *Owner — Blue* *Driller — White*

DWR-133 (1/84)

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
TRENTON, N.J.

Mail to

Water Allocation
CN 029
Trenton, N.J. 08625

Permit No. 24-14678

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Owner Monroe Twp MUA

Address Cranbury Station Road
Cranbury, NJ 08512

Driller PICKWICK WELL DRILLING
P.O. Box 6
Address Farmingdale, NJ 07727

Name of Facility Helmetta Road Road Well
East Sherman St Pumping Station
Address Jamesburg-Helmetta Road
Jamesburg, NJ 08831

Diameter of Well	4 Inches	Proposed Depth of Well	75 Feet
Proposed Capacity of Pump	15 GPM	Method of Drilling (cable-tool, rotary, etc.)	Rotary
Use of Well (See Reverse)	Individual Water Supply for pump station (Domestic-New)		

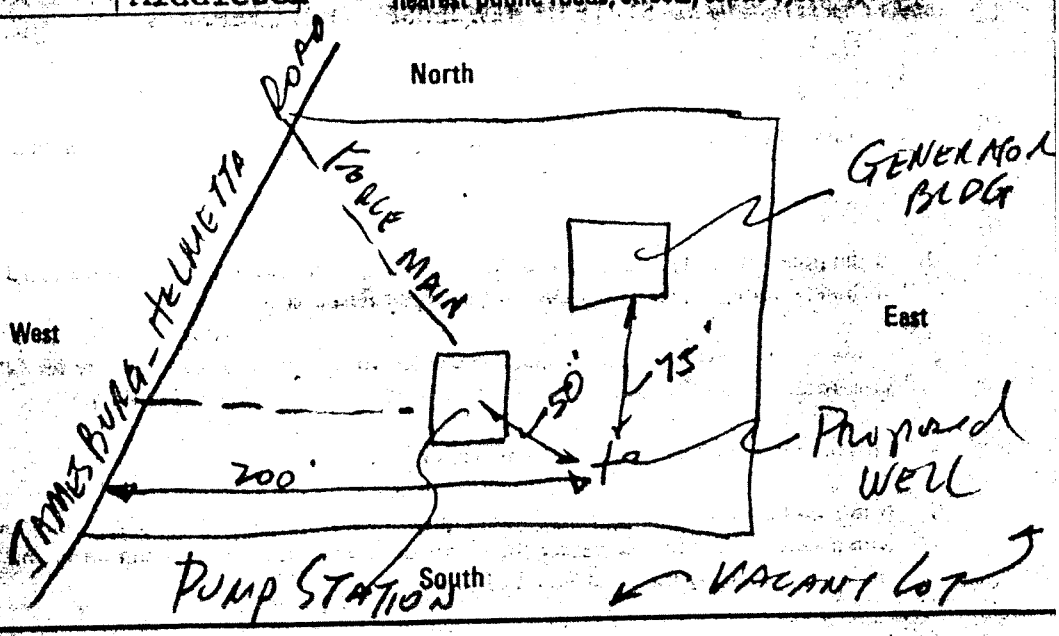
LOCATION OF WELL

Lot #	Block #	Municipality	County
18	103	Monroe	Middlesex

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

State Atlas Map No. 28

28.14.2.1.4
Elev 30



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- ☐ Permit issued in accordance with provisions of letter of transmittal dated _____.
- ☐ Authorization by rule under N.J.A.C. 7:14A-1 et seq.
- ☐ Samples of cuttings required every _____ feet.
- ☐ The results of a volatile organic scan mut be obtained prior to using the water and submitted to _____.
- ☐ Domestic Potable Water Supply - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- ☐ Domestic Irrigation Supply - No piping from the well for which the permit applies shall enter any building.
- ☐ Industrial/Commercial Supply - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- ☐ Heat Pump Wells - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- ☐ _____

This Space for Approval Stamp
WELL PERMIT
APPROVED
OCT 23 1984
DEPT. ENV. PROTECTION
DIV. OF WATER RESOURCES
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as described above.

Date 10-22 84

Signature of Owner for CHRIS-TEC ASSOCIATES, I by David Prunot, Well Driller

COPIES: Water Allocation – White Health Dept. – Yellow Owner – Blue Driller – White

DEPARTMENT OF HEALTH

COUNTY OF MIDDLESEX, NEW JERSEY

WATER POLLUTION CONTROL

CERTIFICATION OF WELL INSTALLATION

Location of Well:

Address E. Sherman St Block 103 Lot 18 Municipality Monroe

Owner:

Name Monroe MUA Address

NJDEP Permit to Drill Well No. 28-14678 Municipal Permit No. 1819

Well Driller:

Name PicKwick Address Farmingdale

NJDEP Lic. No. Expiration Date

Purpose for Well Pump Station Diameter of Well 4 inches

Depth of Well 78 ft. Pump Capacity 720 G.P.M. Well Completion 12

1 = Compliance 2 = Non-compliance 3 = Not Applicable 4 = Not Required

Regulation: NJAC		1	2	3	4
7:10-3.93	State certification has been obtained for 50 or more realty improvements				✓
7:10-3.33	Water derived from approved source.	✓			
7:10-3.52c	Water for drilling obtained from approved source.	✓			
7:10-3.34	Frost protection is adequate.	✓			
7:10-3.35	Physical connection has not been established with public community water system.	✓			
7:10-3.37	Well surfaces disinfected in an approved method. Method used: Cl	✓			
7:10-3.53	Well casing used is of approved type. Type of casing: PVC	✓			
7:10-3.54	Well screen installed when necessary.	✓			
7.10-3.55	Well sealed using approved materials and in an approved manner.	✓			

THIS FORM TO BE USED IN CONJUNCTION WITH NJDEP STANDARDS FOR THE CONSTRUCTION OF PUBLIC NON-COMMUNITY AND NON-PUBLIC WATER SYSTEMS

CERTIFICATION OF WELL INSTALLATION

1 = Compliance 2 = Non-compliance 3 = Not Applicable 4 = Not required

Regulation NJAC		1	2	3	4
7:10-3.40	Minimum proximity distances met. (See Table 2, 7:10-3.40) Draw sketch indicating distances: (If necessary use reverse side of page). see sketch	✓			
7:10-5.3 & 7:10-3.80	Bacteriological quality has been found acceptable according to the State Primary Drinking Water Regulations. Analysis has been performed by State certified laboratory. Attach copy of laboratory report.		✓		
7:10-3.80	Physical and Chemical quality of water has been determined by a State certified lab.; and has been submitted to local board of health so that a determination can be made of its acceptability. Tests shall be conducted for the following: (Additional chemical determinations may be requested at the discretion of the local board of health). Public Non-community Water Systems Nirates, iron, manganese, pH, arsenic, barium, cadmium, chromium, lead, mercury, selinium, silver and fluoride. Non-public Water System Nitrates, iron, manganese and pH Attach copy of laboratory report.	✓			

Comments (use other side of page if needed) low ph
volitole organics present

Not Approved by TERRI SETTLECOWSKI

Title Sanitarian

Date 2/5/86

6/84

NEW JERSEY LABORATORIES
222-226 EASTON AVENUE 201: 249-0148
P. O. BOX 748 NEW BRUNSWICK, N. J. 08903

JAN 3

ANALYTICAL TESTING
SINCE 1939

Divisions:
NEW JERSEY DAIRY LABORATORIES
PHARMETICS LABORATORY

REPORT ON WATER SAMPLES

MONROE TOWNSHIP MUNICIPAL UTILITIES
P.O. Box 159
Jamesburg, N.J. 08831

DATE Dec. 27, 1985 NO. 8823, 8824

COPY

IDENTIFICATIONS:

1. East Sherman
2. Thomas Street

SAMPLES:

Received on:	Delivered by:	Refrigerated:	Taken by:	On:	Refrigerated:
12/19/85	Our Agent	Yes	Your Agent	12/19	Yes
In Glass Container:	Sterilized by:	Thiosulfate Added:	At Site: ppm Chlorine	At Site: pH reading	At Site: Water Temp.
32 oz.					

BACTERIAL DATA:

TOTAL AGAR PLATE COUNTS Colonies per ml.: 35°C. Incub.	20°C. Incub.	COLIFORMS in Five 10, 1 and 0.1 ml. Tubes: Presumptive Test: Tubes "POSITIVE"	Confirmed Test: Tubes "POSITIVE"	Equivalency, or "MPN per 100 ml."	Pertinent Bacterial Standards
					SATISFIED

CHEMICAL DATA

	Sample 1.	Sample 2.
pH	4.7	4.1
Nitrates, ppm	2.5	0.50
Iron, ppm	0.26	2.7
Manganese, ppm	0.03	0.04

BACTERIAL STANDARDS:

1. To be "satisfactory", five 10 ml. (thus 50 ml.) portions of properly representative samples of drinking waters and swimming pool waters must show the complete absence of coliforms, by the codes of both the U. S. Public Health Service and the N. J. State Department of Health.

2. Coliforms in waters from natural bathing places are reported as "Most Probable Number in 100 ml." The American Public Health Association classifies bathing areas whose samples show MPN values below 1000 as "suitable" for use; those between 1000 and 2400 as "acceptable, subject to further test"; and those above 2400 as "unsuitable".

Charles F. Molino, Manager

NOTES:

1. We certify that our analyses of water samples are made in full conformance with the appropriate procedures specified in "Standard Methods for the Examination of Water", and are accurate to within the experimental errors of these techniques.

2. We certify that samples of water, taken by our representatives, have been prepared and transported to the laboratory in full conformance with the procedures prescribed in the SMEW manuals.

3. We do not certify to the authenticity of samples prepared by other than our own representatives. Such samples' identities are detailed only as reported to us.

VOLATILE ORGANIC ANALYSIS

	Sample 1.	Sample 2.
Chloromethane	#10.0	#10.0
Bromomethane	#10.0	#10.0
Dichlorodifluoromethane	#10.0	#10.0
Vinyl Chloride	#10.0	#10.0
Chloroethane	#10.0	#10.0
Methylene Chloride	#10.0	#10.0
Trichlorofluoromethane	#10.0	#10.0
1,1 Dichloroethylene	#10.0	#10.0
1,1 Dichloroethane	#10.0	#10.0
trans-1,2-Dichloroethylene	#10.0	#10.0
Chloroform	#10.0	#10.0
1,2 Dichloroethane	13	#10.0
1,1,1 Trichloroethane	#10.0	#10.0
Carbon Tetrachloride	#10.0	#10.0
Bromodichloromethane	#10.0	#10.0
1,2 Dichloropropane	#10.0	#10.0
trans-1,3 Dichloropropene	#10.0	#10.0
Trichloroethylene	#10.0	#10.0
Dibromochloromethane	#10.0	#10.0
Methyl tert-Butyl Ether	#10.0	#10.0
Isopropyl Ether	#10.0	#10.0
1,1,2 Trichloroethane]	#10.0	#10.0
cis-1,3 Dichloropropylene	#10.0	#10.0
Benzene	#10.0	#10.0
2-Chloroethylvinyl ether	#10.0	#10.0
Bromoform	#10.0	#10.0
1,1,2,2 Tetrachloroethane	#10.0	#10.0
Tetrachloroethylene	#10.0	#10.0
Toluene	#10.0	#10.0
Chlorobenzene	#10.0	#10.0
Ethylbenzene	#10.0	#10.0
p-Xylene	#10.0	#10.0
m-Xylene		#10.0
o-Xylene	45	#10.0
1,2 Dichlorobenzene		#10.0
1,3 Dichlorobenzene	#10.0	#10.0
1,4 Dichlorobenzene	#10.0	#10.0
1,2,4 Trichlorobenzene	#10.0	#10.0
	#10.0	#10.0

Results are in parts per billion.
= Less than, None Detected. Analysis performed by Gas Chromatography/Mass Spectrometry USEPA Method 624.

APPENDIX B

CEA FACT SHEET

NOTE: THIS IS A COURTESY COPY OF THIS RULE. ALL OF THE DEPARTMENT'S RULES ARE COMPILED IN TITLE 7 OF THE NEW JERSEY ADMINISTRATIVE CODE.

APPENDIX B
Ground Water Classification Exception Area Fact Sheet

A. SITE INFORMATION

1. Program's Site Identification Number: ____44671_____

2. Program Interest Number (Preferred ID): ____010911_____

3. Program Interest Name: _____JIS Landfill Site Remediation Program_____

4. Street address: _____Route 535 (999 Cranbury South River Road)_____

5. City: _____South Brunswick_____

6. County: __Middlesex_____

7. Block and Lots of the site (duplicate if the site is located in more than one municipality):

   a. Name of the municipality in which the site is located: __South Brunswick_____

   b. Block and Lots: ___Block 17.01, Lot 9.06_____

   c. Year of tax map: ___2006_____

8. United States Geological Survey Quadrangle map, indicating the location of the site, presented as Figure 1.

9. Site Contact:

   a. Name of contact person:_____Irv Freilich_____

   b. Company name:_____Gibbons P.C._____

   c. Mailing address:____One Gateway Center, Newark, NJ,___07102 - 5310_____

   d. Phone number: (973 596 4735) __ __ __ - __ __ __ __

NOTE: THIS IS A COURTESY COPY OF THIS RULE. ALL OF THE DEPARTMENT'S RULES ARE COMPILED IN TITLE 7 OF THE NEW JERSEY ADMINISTRATIVE CODE.

B. PROPOSED CLASSIFICATION EXCEPTION AREA INFORMATION

1. Narrative description of proposed classification exception area:

The CEA will encompass the JIS Site as well as areas southeast and downgradient of the Landfill roughly following the direction of Docks Corner Road, toward and crossing Rhode Hall Road, then shifting more easterly crossing Mott Avenue and Helmetta Road. At the Landfill, the CEA is approximately 1,000 feet wide, narrowing to approximately 600 feet at Rhode Hall Road, then narrowing further to 300 feet at Helmetta Road. The CEA encompasses portions of three municipalities (South Brunswick, Jamesburg, and Monroe).

2. Location of proposed classification exception area (duplicate if the site is located in more than one municipality):

a. Name of the municipality in which the site is located:___see attached Table 4

b. Block and Lots:_____ see attached Table 4_____

c. Year of tax map:____ see attached Table 4_____

3. Affected aquifer(s):

Aquifer Name	Vertical Depth	Ground Water Classification
Old Bridge Aquifer	approx.130 feet below ground surface	Class IIA

4. Contaminant concentrations:

Contaminant	Concentration[1]	GWQS[2]
Benzene	230	1
1,4-dichlorobenzene	110	75
1,2,4-trichlorobenzene	100	9
Chlorobenzene	51	50
Chloroethane	18	5
Trichloroethene	14	1
1,2-dichloropropane	5	1
Tetrachloroethene	2,1	1
Vinyl chloride	1.3	1
Xylene	1.3	1,000

NOTE: THIS IS A COURTESY COPY OF THIS RULE. ALL OF THE DEPARTMENT'S RULES ARE COMPILED IN TITLE 7 OF THE NEW JERSEY ADMINISTRATIVE CODE.

Footnotes:

1 Maximum concentration detected in off-property groundwater monitoring wells at the time Classification Exception Area information submitted to the Department (as of December 2010) - see Table 3.
2 New Jersey Ground Water Quality Standards, N.J.A.C. 7:9C.

5. Proposed classification exception area boundaries:

Horizontal: Scaled map indicating projected areal extent of proposed classification exception area, as well as location of site, presented as Figure 4.

Vertical: As stated in B.3., above.

Locational coordinates of boundary of proposed classification exception area as New Jersey State Plane Coordinates. A minimum of four coordinates shall be submitted, in a format compatible with Department's geographic information system:

Northing Easting (New Jersey State Plane Coordinates)

See Appendix C

Latitude Longitude

6. Estimated size of the proposed ground water classification exception area:

_____4,700,000 square feet_____

7. Projected duration and expiration date of the proposed classification exception area:

a. Duration (in years and or days): ____13 years_____

b. Expiration date (as calendar date): _____2024_____

APPENDIX C

ELECTRONIC GIS FORMAT

JIS Landfill

Electronic GIS Plume Limit File

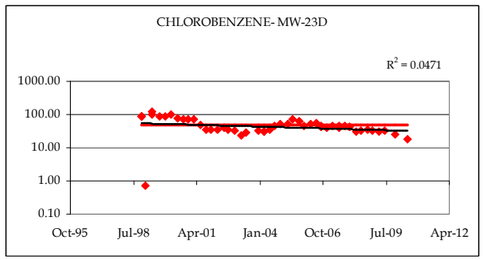
Project Number:
14737

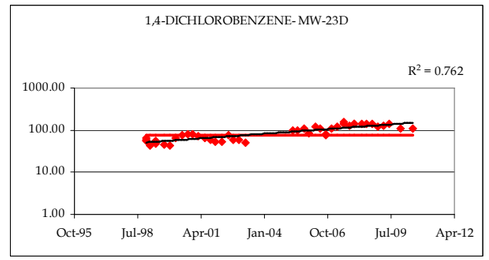
Date:
July 27, 2011

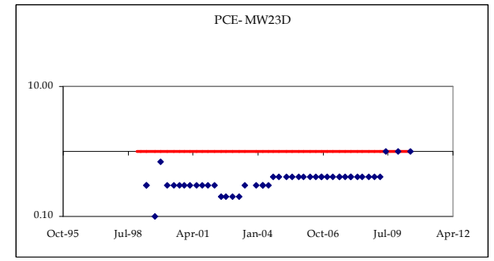
CONESTOGA-ROVERS
& ASSOCIATES

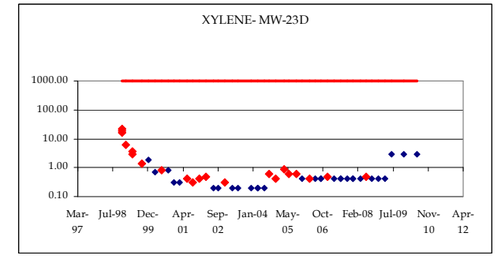
APPENDIX D

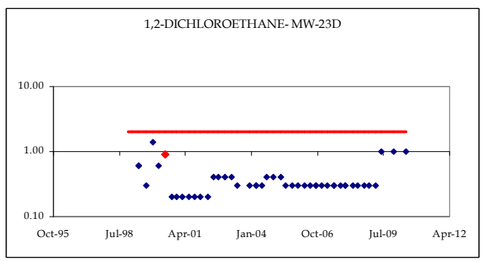
CHEMICAL PLOTS FOR LONGEVITY CALCULATION

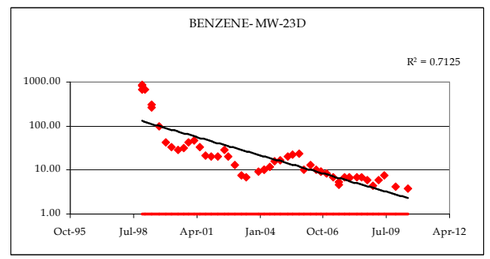


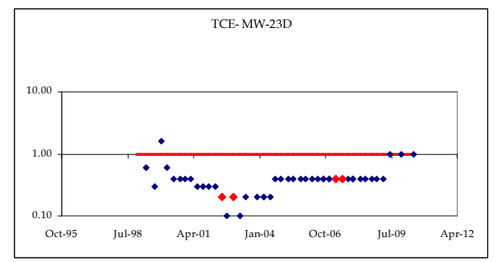


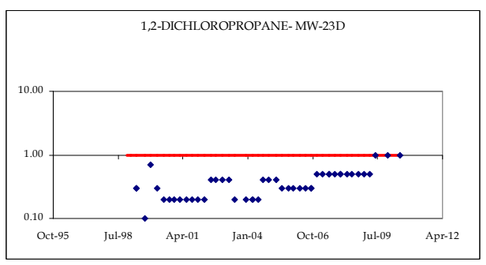


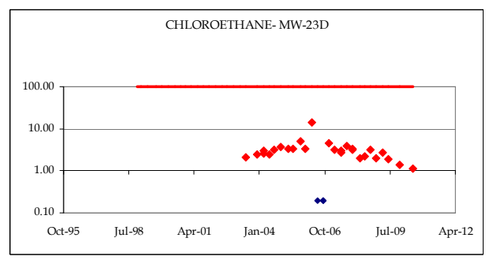


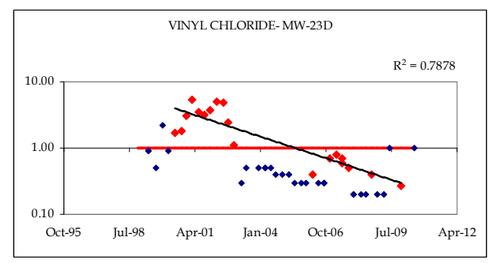












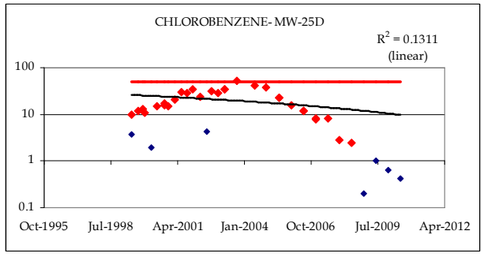
LEGEND

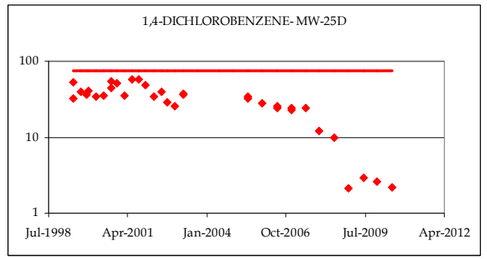
- DETECTED CONCENTRATION
- NON-DETECTED CONCENTRATION
- NEW JERSEY GROUNDWATER CRITERIA
- BEST-FIT LINE

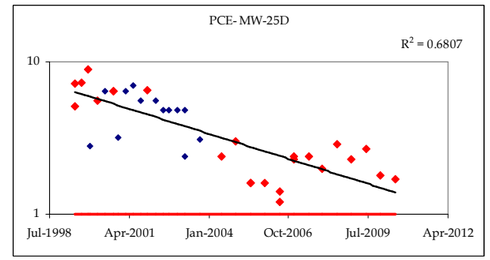
figure D-1

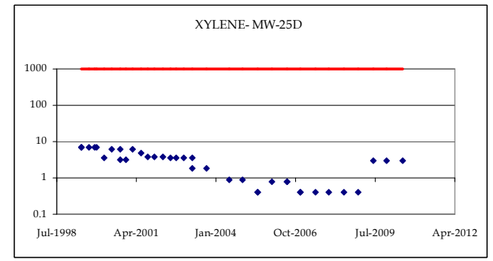
MW-23D CHEMICAL PLOTS FOR LONGEVITY CALCULATION
JIS LANDFILL SITE
South Brunswick, New Jersey

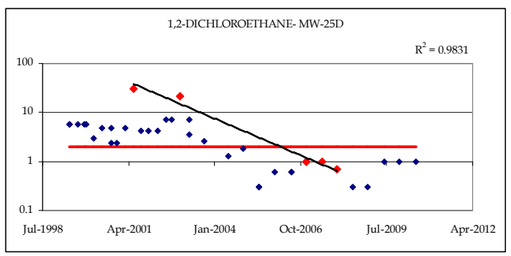
14737-00(060)GN-WA001 MAR 21/2011

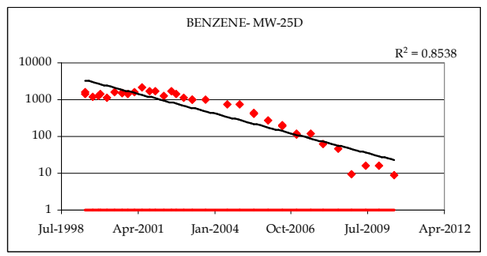


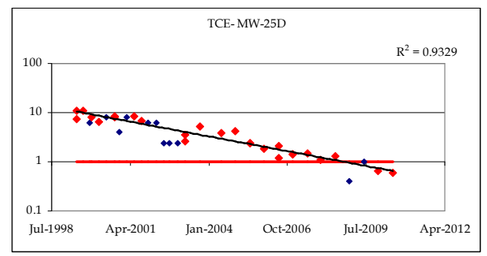


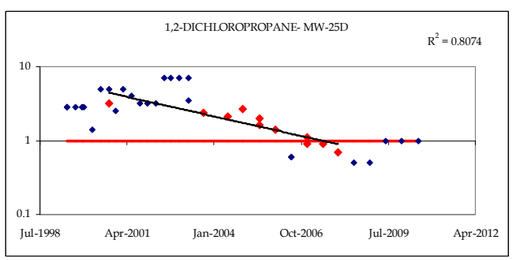


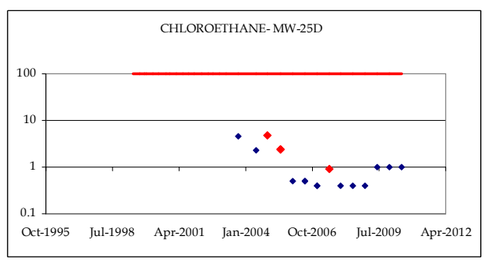


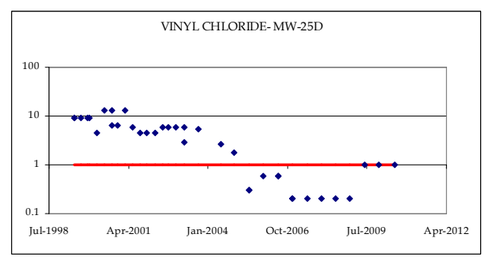












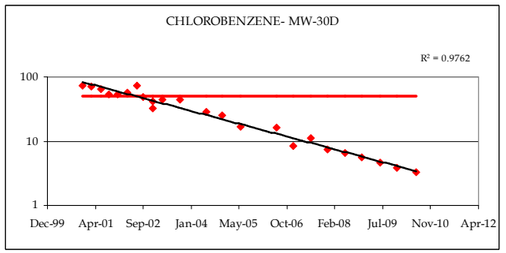
LEGEND

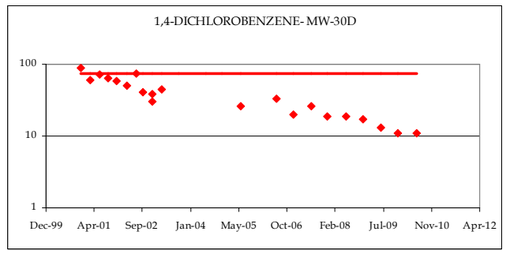
- DETECTED CONCENTRATION
- NON-DETECTED CONCENTRATION
- NEW JERSEY GROUNDWATER CRITERIA
- BEST-FIT LINE

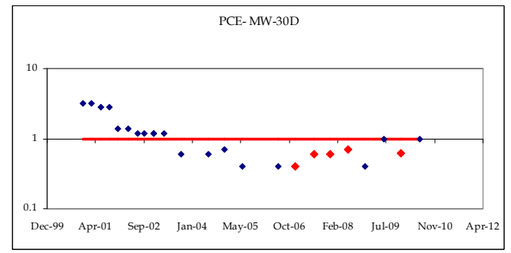
figure D-2

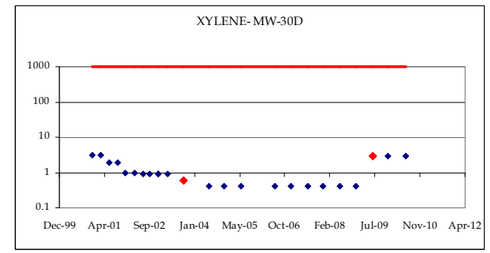
MW-25D CHEMICAL PLOTS FOR LONGEVITY CALCULATION
JIS LANDFILL SITE
South Brunswick, New Jersey

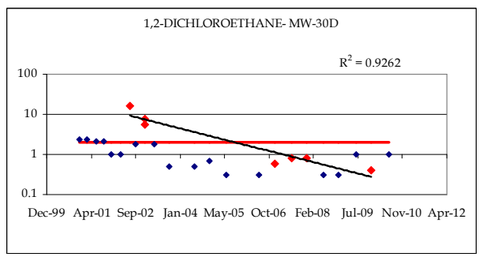
14737-00(060)GN-WA002 MAR 21/2011

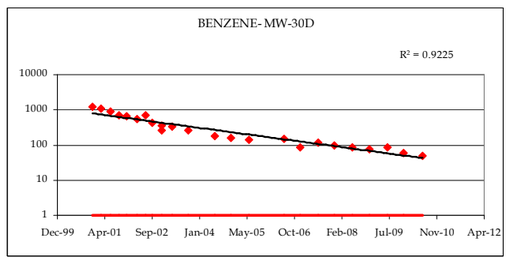


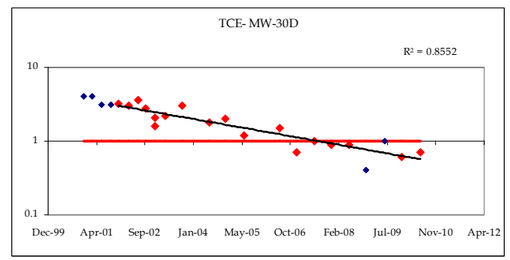


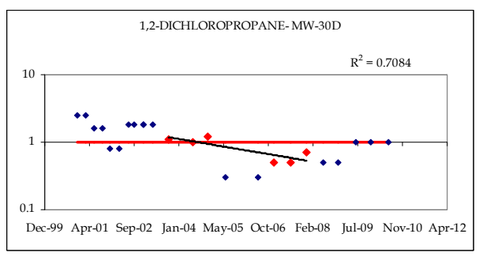


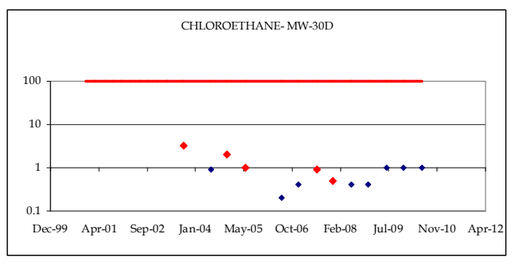


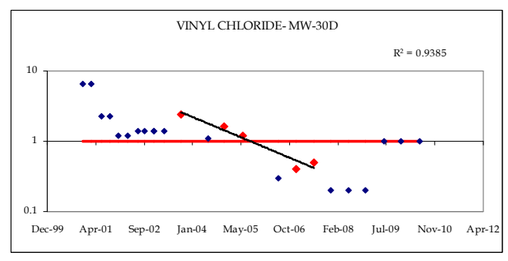












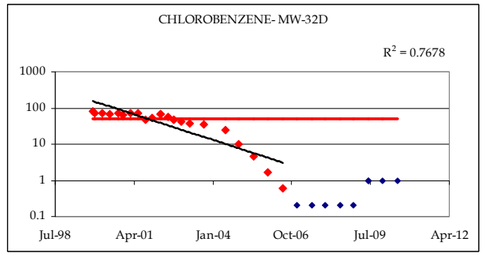
LEGEND

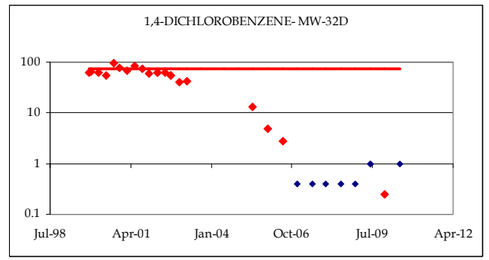
- DETECTED CONCENTRATION
- NON-DETECTED CONCENTRATION
- NEW JERSEY GROUNDWATER CRITERIA
- BEST-FIT LINE

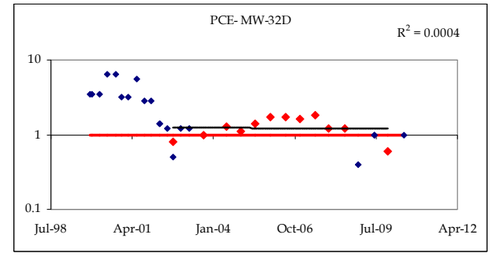
figure D-3

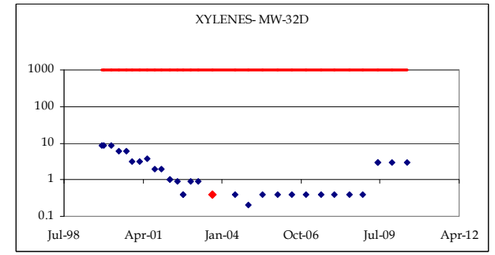
MW-30D CHEMICAL PLOTS FOR LONGEVITY CALCULATION
JIS LANDFILL SITE
South Brunswick, New Jersey

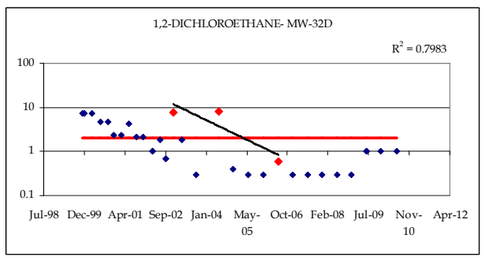
14737-00(060)GN-WA003 MAR 21/2011

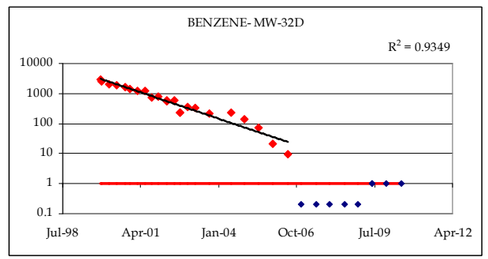


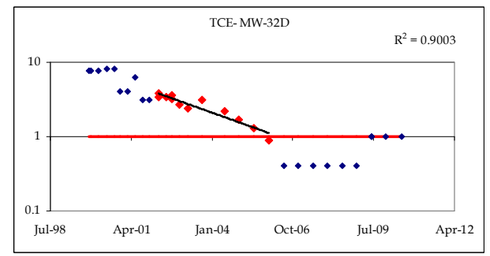


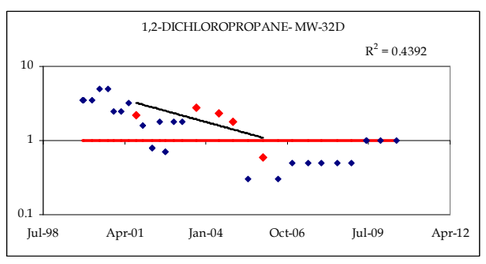


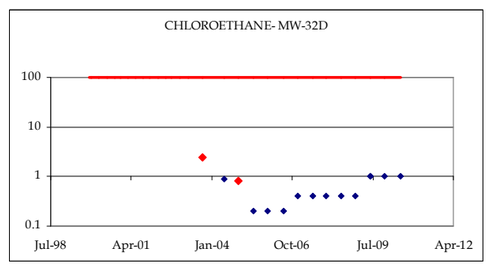


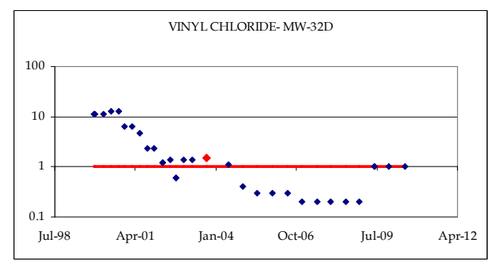












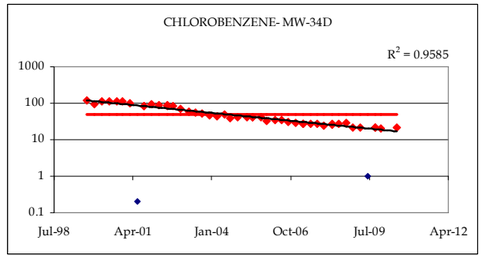
LEGEND

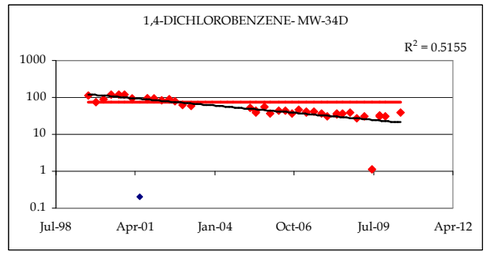
- DETECTED CONCENTRATION
- NON-DETECTED CONCENTRATION
- NEW JERSEY GROUNDWATER CRITERIA
- BEST-FIT LINE

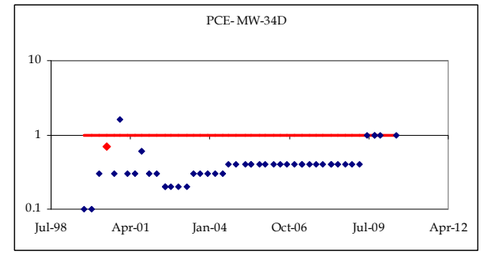
figure D-4

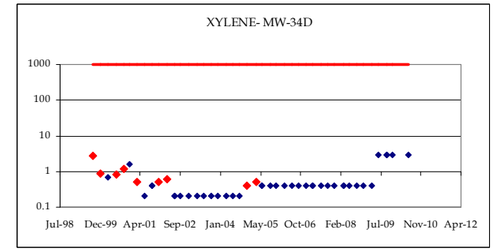
MW-32D CHEMICAL PLOTS FOR LONGEVITY CALCULATION
JIS LANDFILL SITE
South Brunswick, New Jersey

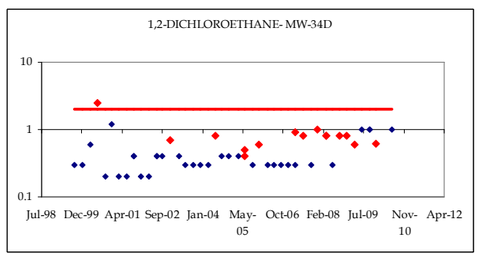
14737-00(060)GN-WA004 MAR 21/2011

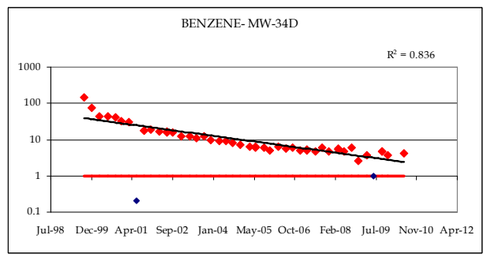


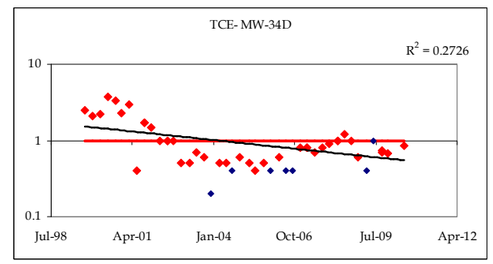


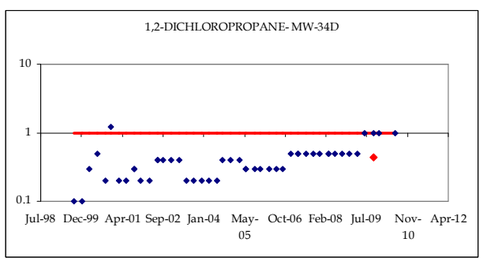


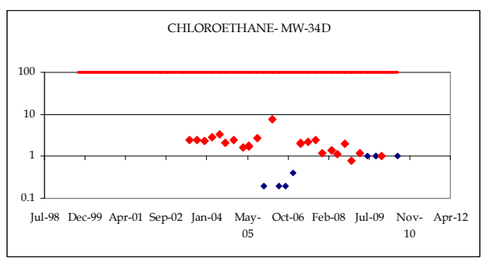


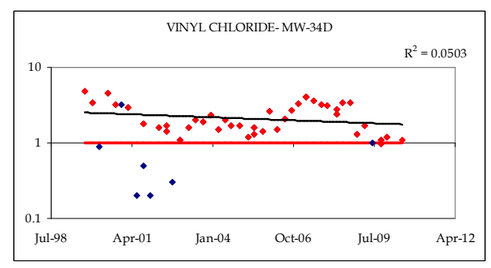












LEGEND

- DETECTED CONCENTRATION
- NON-DETECTED CONCENTRATION
- NEW JERSEY GROUNDWATER CRITERIA
- BEST-FIT LINE

figure D-5

MW-34D CHEMICAL PLOTS FOR LONGEVITY CALCULATION
JIS LANDFILE SITE
South Brunswick, New Jersey

14737-00(060)GN-WA005 MAR 21/2011

APPENDIX E

PUBLIC NOTICES AND DELIVERY RECEIPTS

Draft Letter to Property Owners

Date

CERTIFIED MAIL/RRR

Resident/Owner
Address1
City, State, Zip Code

Re: Groundwater Classification Exception Area Notification
Property Location: PropertyLocation, Block BlockNumber, Lot LotNumber

Attention: Resident/Owner

This certified letter provides notification (pursuant to New Jersey law N.J.A.C. 7:26E) that (a portion of) Block <BlockNumber>, Lot <LotNumber> is proposed for inclusion in a Groundwater Classification Exception Area that is being established by the New Jersey Department of Environmental Protection arising from the JIS Landfill Superfund Site.

The JIS Landfill Superfund Site is undergoing environmental cleanup including the on-site remediation of soil and associated groundwater contamination. Plans describing the nature of contamination and the remediation program implemented to address the contamination are available to the public and can be accessed at the local document repository located in the South Brunswick Public Library in Monmouth Junction or through the New Jersey Department of Environmental Protection. In addition, the United States Environmental Protection Agency has previously published notices of the cleanup plans for public comment and provided updates concerning the work and proposed activities through local public availability sessions.

The New Jersey Department of Environmental Protection establishes Classification Exception Areas in all areas where groundwater quality does not meet State standards. The Classification Exception Area will remain in place until the standards are achieved, thereby providing the New Jersey Department of Environmental Protection and local officials with a current state-wide data base to track and monitor areas of groundwater impact.

Should you have any questions concerning this notification, please contact Ashley Wiedemer with the United States Environmental Protection Agency at (212) 637-4263 or Erica Bergman with the New Jersey Department of Environmental Protection at (609) 292-7406.

IN ACCORDANCE WITH N.J.S.A. 58:10B-13, THIS DOCUMENT IS TO BE RECORDED IN THE SAME MANNER AS ARE DEEDS AND OTHER INTERESTS IN REAL PROPERTY.

Prepared by: _____
[Signature]

_____
[Print name below signature]

Recorded by:

_____
[Signature, Officer of County Recording Office]

_____
[Print name below signature]

DEED NOTICE

This Deed Notice is made as of the _____ day of _____, ____, by J.I.S. Industrial Service Co., having its principal office at P.O. Box 318, Monroe Township, New Jersey 08831 (together with his/her/its/their successors and assigns, collectively "Owner").

1. THE PROPERTY. J.I.S. Industrial Service Co., having its principal office at P.O. Box 318, Monroe Township, New Jersey 08831 is the owner in fee simple of certain real property designated as Block 17.01 Lot 9.06, on the tax map of the Township of South Brunswick, Middlesex County; the New Jersey Department of Environmental Protection Program Interest Number (Preferred ID) for the contaminated site which includes this property is #010911; the United States Environmental Protection Agency Superfund Identification Number for the contaminated site which includes this property is NJD097400998; and the property is more particularly described in Exhibit A, which is attached hereto and made a part hereof (the "Property").

2. DEPARTMENT'S ASSIGNED BUREAU. The Bureau of Federal Case Management was the New Jersey Department of Environmental Protection program that was responsible for the oversight of the remediation of the Property. The matter was Case No. 010911.

3. SOIL CONTAMINATION. The JIS Landfill Site Performing Parties Group has remediated contaminated soil at the Property, and the New Jersey Department of Environmental Protection approved a remedial action on January 3, 2004 such that soil contamination remains in certain areas of the Property which contains contaminants in concentrations that do not allow for the unrestricted use of the Property; this soil contamination is described, including the type, concentration and specific location of such contaminants, in Exhibit B, which is attached hereto and made a part hereof. As a result, there is a statutory requirement for this Deed Notice and engineering controls in accordance with N.J.S.A. 58:10B-13.

4. CONSIDERATION. In accordance with the New Jersey Department of Environmental Protection's approval of the remedial action work plan for the remediation of the site which included the Property, and in consideration of the terms and conditions of that approval, and other good and valuable consideration, Owner has agreed to subject the Property to certain statutory and regulatory requirements which impose restrictions upon the use of the Property, to restrict certain uses of the Property, and to provide notice to subsequent owners, lessees and operators of the restrictions and the monitoring, maintenance, and biennial certification requirements outlined in this Deed Notice and required by law, as set forth herein.

5A. RESTRICTED AREAS. Due to the presence of these contaminants, the Owner has agreed, as part of the remedial action for the Property, to restrict the use of certain parts of the Property (the "Restricted Areas"); a narrative description of these restrictions, along with the associated monitoring and maintenance activities and the biennial certification requirements are provided in Exhibit C, which is attached hereto and made a part hereof. The Owner has also agreed to maintain a list of these restrictions on site for inspection by governmental enforcement officials.

5B. ENGINEERING CONTROLS. Due to the presence and concentration of these contaminants, the Owner has also agreed, as part of the remedial action for the Property, to the placement of certain engineering controls on the Property; a narrative description of these engineering controls, along with the associated monitoring and maintenance activities and the biennial certification requirements are provided in Exhibit C.

6A. ALTERATIONS, IMPROVEMENTS, AND DISTURBANCES.

i. Except as provided in Paragraph 6B, below, no person shall make, or allow to be made, any alteration, improvement, or disturbance in, to, or about the Property which disturbs any engineering control at the Property without first obtaining the express written consent of the Department of Environmental Protection. Nothing herein shall constitute a waiver of the obligation of any person to comply with all applicable laws and regulations including, without limitation, the applicable rules of the Occupational Safety and Health Administration. To request the consent of the Department of Environmental Protection, contact:

Department of Environmental Protection
Division of Remediation Management and Response
Bureau of Operation, Maintenance, and Monitoring
Deed Notice Inspection Program
P.O. Box 413
401 E. State Street
Trenton, NJ 08625-0413

ii. Notwithstanding subparagraph 6A.i., above, the Department of Environmental Protection's express written consent is not required for any alteration, improvement, or disturbance provided that the owner, lessee or operator:

(A) Notifies the Department of Environmental Protection of the activity by calling the DEP Hotline, at 1-877-WARN-DEP or 1-877-927-6337, within twenty-four (24) hours after the beginning of each alteration, improvement, or disturbance;

(B) Restores any disturbance of an engineering control to pre-disturbance conditions within sixty (60) calendar days after the initiation of the alteration, improvement or disturbance;

(C) Ensures that all applicable worker health and safety laws and regulations are followed during the alteration, improvement, or disturbance, and during the restoration;

(D) Ensures that exposure to contamination in excess of the applicable remediation standards does not occur;

(E) Submits a written report, describing the alteration, improvement, or disturbance, to the Department of Environmental Protection within sixty (60) calendar days after the end of each alteration, improvement, or disturbance. The owner, lessee or operator shall include in the report the nature of the alteration, improvement, or disturbance, the dates and duration of the alteration, improvement, or disturbance, the name of key individuals and their affiliations conducting the alteration, improvement, or disturbance, a description of the notice the Owner gave to those persons prior to the disturbance, the amounts of soil generated for disposal, if any, the final disposition and any precautions taken to prevent exposure. The owner, lessee, or operator shall submit the report to:

Department of Environmental Protection
Division of Remediation Management and Response
Bureau of Operation, Maintenance, and Monitoring
Deed Notice Inspection Program
P.O. Box 413
401 E. State Street
Trenton, NJ 08625-0413

6B. EMERGENCIES. In the event of an emergency which presents, or may present, an unacceptable risk to the public health and safety, or to the environment, any person may temporarily breach any engineering control provided that that person complies with each of the following:

i. Immediately notifies the Department of Environmental Protection of the emergency, by calling the DEP Hotline at 1-877-WARNDEP or 1-877-927-6337;

ii. Limits both the actual disturbance and the time needed for the disturbance to the minimum reasonably necessary to adequately respond to the emergency;

iii. Implements all measures necessary to limit actual or potential, present or future risk of exposure to humans or the environment to the contamination;

iv. Notifies the Department of Environmental Protection when the emergency has ended by calling the DEP Hotline at 1-877-WARNDEP or 1-877-927-6337;

v. Restores the engineering control to the pre-emergency conditions as soon as possible, and provides a written report to the Department of Environmental Protection of such emergency and restoration efforts within sixty (60) calendar days after completion of the restoration of the engineering control. The report must include all information pertinent to the emergency, potential discharges of contaminants, and restoration measures that were implemented, which, at a minimum, should specify: (a) the nature and likely cause of the emergency, (b) the potential discharges of or exposures to contaminants, if any, that may have occurred, (c) the measures that have been taken to mitigate the effects of the emergency on human health and the environment, (d) the measures completed or implemented to restore the engineering control, and (e) the changes to the engineering control or site operation and maintenance plan to prevent reoccurrence of such conditions in the future. The owner, lessee, or operator shall submit the report to:

Department of Environmental Protection
Division of Remediation Management and Response
Bureau of Operation, Maintenance, and Monitoring
Deed Notice Inspection Program
P.O. Box 413
401 E. State Street
Trenton, NJ 08625-0413]

7A. MONITORING AND MAINTENANCE OF DEED NOTICE, AND PROTECTIVENESS CERTIFICATION. The persons in any way responsible, pursuant to the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11a et seq., for the hazardous substances that remain at the Property, the persons responsible for conducting the remediation, the Owner, and the subsequent owners, lessees, and operators, shall monitor and maintain this Deed Notice, and certify to the Department on a biennial basis that the remedial action that includes this Deed Notice remains protective of the public health and safety and of the environment. The subsequent owners, lessees and operators have this obligation only during

their ownership, tenancy, or operation. The specific obligations to monitor and maintain the deed notice shall include all of the following:

i. Monitoring and maintaining this Deed Notice according to the requirements in Exhibit C, to ensure that the remedial action that includes the Deed Notice continues to be protective of the public health and safety and of the environment;

ii. Conducting any additional remedial investigations and implement any additional remedial actions, that are necessary to correct, mitigate, or abate each problem related to the protectiveness of the remedial action for the site prior to the date that the certification is due to the Department pursuant to iii, below, in order to ensure that the remedial action that includes this Deed Notice remains protective of the public health and safety and of the environment.

iii. Certify to the Department of Environmental Protection as to the continued protectiveness of the remedial action that includes this Deed Notice, on a form provided by the Department and consistent with N.J.A.C. 7:26C-1.2 (a)1, every two years on the anniversary of the date stamped on the deed notice that indicates when the deed notice was recorded;

7B. MONITORING AND MAINTENANCE OF ENGINEERING CONTROLS, AND PROTECTIVENESS CERTIFICATION. The persons in any way responsible, pursuant to the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11a et seq., for the hazardous substances that remain at the Property, the person responsible for conducting the remediation, and, the Owner, and the subsequent owners, lessees, and operators, shall maintain all engineering controls at the Property and certify to the Department on a biennial basis that the remedial action of which each engineering control is a part remains protective of the public health and safety and of the environment. The subsequent owners, lessees and operators have this obligation only during their ownership, tenancy, or operation. The specific obligations to monitor and maintain the engineering controls shall include the following:

i. Monitoring and maintaining each engineering control according to the requirements in Exhibit C, to ensure that the remedial action that includes the engineering control continues to be protective of the public health and safety and of the environment;

ii. Conducting any additional remedial investigations and implement any additional remedial actions, that are necessary to correct, mitigate, or abate each problem related to the protectiveness of the remedial action for the Property prior to the date that the certification is due to the Department pursuant to iii, below, in order to ensure that the remedial action that includes the engineering control remains protective of the public health and safety and of the environment.

iii. Certify to the Department of Environmental Protection as to the continued protectiveness of the remedial action that includes the engineering control, on a form provided by the Department and consistent with N.J.A.C. 7:26C-1.2 (a)1, every two years on

the anniversary of the date stamped on the deed notice that indicates when the deed notice was recorded.

8. ACCESS. The Owner and the subsequent owners, lessees and operators agree to allow the Department, its agents and representatives access to the Property to inspect and evaluate the continued protectiveness of the remedial action that includes this Deed Notice and to conduct additional remediation to ensure the protection of the public health and safety and of the environment if persons responsible for monitoring the protectiveness of the remedial action, as described in Paragraph 7, above, fail to conduct such remediation pursuant to this Deed Notice as required by law. The Owner, and the subsequent owners and lessees, shall also cause all leases, subleases, grants, and other written transfers of an interest in the Restricted Areas to contain a provision expressly requiring that all holders thereof provide such access to the Department.

9. NOTICES.

i. The Owner and the subsequent owners and lessees, shall cause all leases, grants, and other written transfers of an interest in the Restricted Areas to contain a provision expressly requiring all holders thereof to take the Property subject to the restrictions contained herein and to comply with all, and not to violate any of the conditions of this Deed Notice. Nothing contained in this Paragraph shall be construed as limiting any obligation of any person to provide any notice required by any law, regulation, or order of any governmental authority.

ii. Owner and all subsequent owners and lessees shall notify any person intending to conduct invasive work or excavate within the Restricted Areas at the Property, including, without limitation, tenants, employees of tenants, and contractors of the nature and location of contamination in the Restricted Areas, and, of the precautions necessary to minimize potential human exposure to contaminants.

iii. The Owner and the subsequent owners shall provide written notice to the Department of Environmental Protection at least thirty (30) calendar days before the effective date of any conveyance, grant, gift, or other transfer, in whole or in part, of the owner's interest in the Restricted Area.

iv. The Owner and the subsequent owners shall provide written notice to the Department within thirty (30) calendar days following the owner's petition for or filing of any document initiating a rezoning of the Property. The Owner and the subsequent owners shall submit the written notice to:

Department of Environmental Protection
Division of Remediation Management and Response
Bureau of Operation, Maintenance, and Monitoring
Deed Notice Inspection Program
P.O. Box 413
401 E. State Street
Trenton, NJ 08625-0413.

10. ENFORCEMENT OF VIOLATIONS.

i. This Deed Notice itself is not intended to create any interest in real estate in favor of the Department of Environmental Protection, nor to create a lien against the Property, but merely is intended to provide notice of certain conditions and restrictions on the Property and to reflect the regulatory and statutory obligations imposed as a conditional remedial action for this site.

ii. The restrictions provided herein may be enforceable solely by the Department against any person who violates this Deed Notice. To enforce violations of this Deed Notice, the Department may initiate one or more enforcement actions pursuant to N.J.S.A. 58:10-23.11u and require additional remediation and assess damages pursuant to N.J.S.A. 58:10-23.11g.

11. SEVERABILITY. If any court of competent jurisdiction determines that any provision of this Deed Notice requires modification, such provision shall be deemed to have been modified automatically to conform to such requirements. If a court of competent jurisdiction determines that any provision of this Deed Notice is invalid or unenforceable and the provision is of such a nature that it cannot be modified, the provision shall be deemed deleted from this instrument as though the provision had never been included herein. In either case, the remaining provisions of this Deed Notice shall remain in full force and effect.

12. SUCCESSORS AND ASSIGNS. This Deed Notice shall be binding upon Owner and upon Owner's successors and assigns, and subsequent owners, lessees and operators while each is an owner, lessee, or operator of the Property.

13. MODIFICATION AND TERMINATION.

i. Any person may request in writing, at any time, that the Department modify this Deed Notice where performance of subsequent remedial actions, a change of conditions at the Property, or the adoption of revised remediation standards suggest that modification of the Deed Notice would be appropriate.

ii. Any person may request in writing, at any time, that the Department terminate this Deed Notice because the conditions which triggered the need for this Deed Notice are no longer applicable.

iii. This Deed Notice may be revised or terminated only upon filing of an instrument, executed by the Department, in the office of the County Clerk of Middlesex County, New Jersey, expressly modifying or terminating this Deed Notice.

14A. EXHIBIT A. Exhibit A includes the following maps of the Property and the vicinity:

i. Exhibit A-1: Vicinity Map - A map that identifies by name the roads, and other important geographical features in the vicinity of the Property (for example, Hagstrom County Maps);

ii. Exhibit A-2: Metes and Bounds Description - A metes and bounds description of the Property, including reference to tax lot and block numbers for the Property;

iii. Exhibit A-2: Property Map - A scaled map of the Property, scaled at one inch to 200 feet or less, and if more than one map is submitted, the maps shall be presented as overlays, keyed to a base map; and the Property Map shall include diagrams of major surface topographical features such as buildings, roads, and parking lots.

14B. EXHIBIT B. Exhibit B includes the following descriptions of the Restricted Areas:

i. Exhibit B: Restricted Area Map - A separate map for each restricted area that includes:

(A) As-built diagrams of each engineering control, including caps, fences, slurry walls, ground water monitoring wells, and ground water pumping system;

(B) As-built diagrams of any buildings, roads, parking lots and other structures that function as engineering controls (please also refer to Exhibit A-2).

14C. EXHIBIT C. Exhibit C includes narrative descriptions of the institutional controls and engineering controls as follows:

i. Deed Notice as Institutional Control: Exhibits C-1 and C-2 include a narrative description of the restriction and obligations of this Deed Notice that are in addition to those describe above, as follows:

(A) General Description of this Deed Notice:

(1) Description and estimated size of the Restricted Areas as described above;

(2) Description of the restrictions on the Property by operation of this Deed Notice; and

(3) The objective of the restrictions.

(B) Description of the monitoring necessary to determine whether:

(1) Any disturbances of the soil in the Restricted Areas did not result in the unacceptable exposure to the soil contamination;

(2) There have been any land use changes subsequent to the filing of this Deed Notice or the most recent biennial certification, whichever is more recent;

(3) The current land use on the Property is consistent with the restrictions in this Deed Notice;

(4) Any newly promulgated or modified requirements of applicable regulations or laws apply to the site; and

(5) Any new standards, regulations, or laws apply to the site that might necessitate additional sampling in order to evaluate the protectiveness of the remedial action which includes this Deed Notice, and conduct the necessary sampling.

(C) Description of the following items that will be included in the biennial certification:

(1) A monitoring report that describes the specific activities, pursuant to (A) and (B), above, conducted in support of the biennial certification of the protectiveness of the remedial action that includes this Deed Notice;

(2) Land use at the Property is consistent with the restrictions in this Deed Notice; and

(3) The remedial action that includes this Deed Notice continues to be protective of the public health and safety and of the environment.

ii. Landfill Cap and Vegetative Cover: Exhibits C-1 and C-2 include a narrative description of Landfill Cap and Vegetative Cover as follows:

(A) General Description of the engineering control:

(1) Description of the engineering control;

(2) The objective of the engineering control; and

(3) How the engineering control is intended to function.

(B) Description of the operation and maintenance necessary to ensure that:

(1) Periodic inspections of each engineering control are performed in order to determine its integrity, operability, and effectiveness;

(2) Each engineering control continues as designed and intended to protect the public health and safety and the environment;

(3) Each alteration, excavation or disturbance of any engineering control is timely and appropriately addressed to maintain the integrity of the engineering control;

(4) This engineering control is being inspected and maintained and its integrity remains so that the remedial action continues to be protective of the public health and safety and of the environment;

(5) A record of the self-inspection dates, name of the inspector, results of the inspection and condition(s) of this engineering control. Sampling, for example, may be necessary if it is not possible to visually evaluate the integrity/ performance of this engineering control; and

(6) Any new standards, regulations, or laws apply to the site that might necessitate additional sampling in order to evaluate the protectiveness of the remedial action which includes this Deed Notice, and conduct the necessary sampling.

(C) Description of the following items that will be included in the biennial certification:

(1) A monitoring report that describes the specific activities, pursuant to (A) and (B), above, conducted in support of the biennial certification of the protectiveness of the remedial action that includes this Deed Notice;

(2) The engineering controls continue to operate as designed; and

(3) The remedial action that includes the engineering control continues to be protective of the public health and safety and of the environment.

iii. Surface-Water Drainage System: Exhibits C-1 and C-2 include a narrative description of Surface-Water Drainage System as follows:

(A) General Description of the engineering control:

(1) Description of the engineering control;

(2) The objective of the engineering control; and

(3) How the engineering control is intended to function.

(B) Description of the operation and maintenance necessary to ensure that:

(1) Periodic inspections of each engineering control are performed in order to determine its integrity, operability, and effectiveness;

(2) Each engineering control continues as designed and intended to protect the public health and safety and the environment;

(3) Each alteration, excavation or disturbance of any engineering control is timely and appropriately addressed to maintain the integrity of the engineering control;

(4) This engineering control is being inspected and maintained and its integrity remains so that the remedial action continues to be protective of the public health and safety and of the environment;

(5) A record of the self-inspection dates, name of the inspector, results of the inspection and condition(s) of this engineering control. Sampling, for example, may be necessary if it is not possible to visually evaluate the integrity/ performance of this engineering control; and

(6) Any new standards, regulations, or laws apply to the site that might necessitate additional sampling in order to evaluate the protectiveness of the remedial action which includes this Deed Notice, and conduct the necessary sampling.

(C) Description of the following items that will be included in the biennial certification:

(1) A monitoring report that describes the specific activities, pursuant to (A) and (B), above, conducted in support of the biennial certification of the protectiveness of the remedial action that includes this Deed Notice;

(2) The engineering controls continue to operate as designed; and

(3) The remedial action that includes the engineering control continues to be protective of the public health and safety and of the environment.

iv. Landfill Gas System: Exhibits C-1 and C-2 include a narrative description of Landfill Gas System as follows:

(A) General Description of the engineering control:

(1) Description of the engineering control;

(2) The objective of the engineering control; and

(3) How the engineering control is intended to function.

(B) Description of the operation and maintenance necessary to ensure that:

(1) Periodic inspections of each engineering control are performed in order to determine its integrity, operability, and effectiveness;

(2) Each engineering control continues as designed and intended to protect the public health and safety and the environment;

(3) Each alteration, excavation or disturbance of any engineering control is timely and appropriately addressed to maintain the integrity of the engineering control;

(4) This engineering control is being inspected and maintained and its integrity remains so that the remedial action continues to be protective of the public health and safety and of the environment;

(5) A record of the self-inspection dates, name of the inspector, results of the inspection and condition(s) of this engineering control. Sampling, for example, may be necessary if it is not possible to visually evaluate the integrity/ performance of this engineering control; and

(6) Any new standards, regulations, or laws apply to the site that might necessitate additional sampling in order to evaluate the protectiveness of the remedial action which includes this Deed Notice, and conduct the necessary sampling.

(C) Description of the following items that will be included in the biennial certification:

(1) A monitoring report that describes the specific activities, pursuant to (A) and (B), above, conducted in support of the biennial certification of the protectiveness of the remedial action that includes this Deed Notice;

(2) The engineering controls continue to operate as designed; and

(3) The remedial action that includes the engineering control continues to be protective of the public health and safety and of the environment.

15. SIGNATURES. IN WITNESS WHEREOF, Owner has executed this Deed Notice as of the date first written above.

ATTEST: J.I.S. Industrial Service Co.

_____ By_____

_____ _____
[Print name and title] [Signature]

STATE OF NEW JERSEY SS.:
COUNTY OF _____

I certify that on _____, 20__, Donald Jones, Jr. personally came before me, and this person acknowledged under oath, to my satisfaction, that:

(a) this person is the President of J.I.S. Industrial Service Co., the corporation named in this document;

(b) this document was signed and delivered by the corporation as its voluntary act and was duly authorized;

(c) this person knows the proper seal of the corporation which was affixed to this document; and

(d) this person signed this proof to attest to the truth of these facts.

_____
[Signature]

_____
[Print name and title of attesting witness]

Signed and sworn before me on _____, 20__

_____, Notary Public

_____
[Print name and title]

EXHIBITS AVAILABLE UPON REQUEST