MACTEC
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March 30, 2011

Mr. Maurice Moore
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

Subject: **2010 Periodic Review Report**
Alltift Landfill Site /Ramco Steel Site
Site Nos. 9-15-054 /9-15-046B

Dear Mr. Moore:

MACTEC Engineering and Consulting, Inc. (MACTEC) is submitting this Periodic Review Report (PRR) for the Alltift Landfill Site /Ramco Steel Site (site) on behalf of Honeywell International, Inc. (Honeywell). The completed Site Management Periodic Review Report (PRR) Notice - Institutional and Engineering controls Certification Form is provided herein as Attachment A, which includes a summary of proposed deed restrictions. A report titled "2010 Annual Operations, Maintenance, and Monitoring Report, Alltift Landfill Site /Ramco Steel Site" (OM&M Report), is included herein as Attachment B. The remainder of this document follows the outline presented in your September 2, 2009 letter.

I. Introduction

A. Site Summary:
The primary remedial objectives at the site are to eliminate the potential for direct contact with waste and impacted soils and sediments, and to eliminate the potential for impacted groundwater to discharge to the adjacent wetlands. Remedial construction activities began in November 2003 and were completed in November 2005. The key remedial actions for the site included:

- Consolidation and capping of landfill waste and impacted soils and sediments;
- Construction of groundwater collection and relief trenches for groundwater control (see figures included in Appendix A of the attached OM&M report);
- Groundwater monitoring; and
- Restoration of ponds and wetlands.

The Alltift Landfill Site is located at 579 Tifft Street in the southern portion of the City of Buffalo, Erie County, New York. The Ramco Steel Site is adjacent to the southeastern tip of the Alltift Landfill (see figures included in Appendix A of the attached OM&M Report).

The Alltift Landfill Site was a former landfill/waste disposal area that was remediated between November 2003 and November 2005 under an Order of Consent between AlliedSignal (now Honeywell) and the New York State Department of Environmental Conservation (NYSDEC). The remediation activities included the adjacent Ramco Steel Site (NYSDEC Site No. 9-15-

046B). The remediation involved consolidation of the wastes present on the Alltift Landfill and Ramco Steel sites into a capped landfill on the Alltift Landfill Site. A groundwater control system was installed at the downgradient toe of the landfill to collect and pump groundwater that emanates from the landfill to a sewer line owned by the Buffalo Sewer Authority (BSA) in accordance with BPDES Permit #07-10-BU098. As part of the remedial construction, man-made wetlands were created on the western and southern ends of the Alltift Landfill Site and the adjacent Ramco Steel Site.

During 2010, the following routine OM&M activities were completed in accordance with the Operations, Maintenance, and Monitoring Manual, prepared by Parson Engineers, and dated March 2006 (referred to hereafter as the OM&M Manual):

- BSA discharge monitoring
- Groundwater monitoring
- Quarterly site inspections
- Routine maintenance activities

B. Effectiveness Monitoring: The cap system is intact with suitable vegetative cover and the wetlands mitigation area appears to be a successfully functioning wetland. Groundwater from the site is flowing into the groundwater capture trench as designed. Analytical results from the BSA monthly discharge sampling was within the BSA permit limits.

C. Compliance: The OM&M activities conducted in 2010 were performed in accordance with the OM&M Manual and as described in the attached OM&M Report.

D. Recommendations: Implementation of the activities specified in the OM&M Manual will continue in 2011, as described in the attached OM&M Report and in Section VI E of this letter.

II. Site Overview

A. Site Location: The site plan is illustrated on the figures included in Appendix A of the attached OM&M Report. The site is located south of Tifft Street, approximately 1,300 feet west of Hopkins Street, and 5,000 feet east of the intersection of Tifft Street and Route 5. It is bounded on the north by Tifft Street; on the west by a railroad right-of-way and tracks; on the south by several ponds and the Ramco Steel Site; and on the east by Skyway Auto Parts, Inc. Prior to remediation, soils and sediments containing contaminant concentrations exceeding relevant NYSDEC standards were identified at the site.

The site remedy included consolidation and capping of landfill waste and impacted soils and sediments; construction of a groundwater collection trench and a groundwater relief trench; implementation of monthly BSA discharge monitoring; implementation of annual groundwater monitoring; and restoration of ponds and wetlands.

Groundwater collected in the trenches is conveyed via a pumping system to a lift station located at the southeastern corner of the site. The lift station then discharges the collected groundwater to the sewer, under a BSA discharge permit. As required by the revisions of the BSA discharge permit, samples of the effluent were collected from the lift station on a semi-annual basis and analyzed for compliance with the parameter limits listed in the permit through 2012.

B. Chronology: Remediation of the site began in November 2003 and was concluded in November 2005. Waste and impacted sediment relocation was completed in September 2004, the

construction of the groundwater collection trench was completed in October 2004, and the landfill capping system was completed in June 2005. Planting of wetland and woody vegetation, creating at least 11.2 acres of emergent marsh and open water habitats, was completed in November 2005.

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

A. The performance, effectiveness and protectiveness of the remedy is verified by ensuring that the cap system is intact as constructed, that groundwater is being routed to the groundwater collection trench, and that the wetlands area is successfully functioning as designed.

- Ensuring the cap system is intact as constructed: Quarterly site inspections are conducted that include monitoring of landfill vegetation, ground inspections, and visual checks for evidence of erosion or subsidence. The results from the inspections indicate that the integrity of the cap appears sound (see the quarterly inspection reports included as Appendix G in the attached OM&M Report).

- Ensuring that groundwater is being routed to the groundwater collection trench: The integrity of the drainage and of the groundwater collection systems are evaluated during the quarterly site inspections and maintenance of these systems is performed when problems are identified. Water level measurements collected monthly from site monitoring wells, piezometers, and sumps are used to establish quarterly groundwater elevations at the site (see monthly and quarterly water level measurements, included as Appendix C and D, respectively, in the attached OM&M Report). The quarterly groundwater elevations are then used to plot quarterly groundwater contour maps. These contour maps indicate that groundwater at the site is being routed to the groundwater collection trench as designed (see quarterly groundwater contour maps from 2010 included as Appendix E in the attached OM&M Report).

- Ensuring that the wetlands area is successfully functioning as designed: Results from wetlands mitigation monitoring reports completed for 2006, 2007, and 2008 indicate that the wetlands mitigation area appears to be successfully functioning as designed. These reports were submitted to the NYSDEC on September 23, 2009.

IV. IC/EC Plan Compliance Report – A separate IC/EC Plan has not been prepared. The status of site engineering controls is discussed in the attached OM&M Report. Honeywell and its legal counsel have been communicating with NYSDEC regarding institutional controls, specifically the implementation of environmental covenants, for the various properties involved. As of the date of this letter, Honeywell and NYSDEC have been unable to locate persons with the authority to encumber the railroad property (106 Abby Street) and the Ramco Steel Site (193 Abby Street).

V. Monitoring Plan Compliance Report – A separate Monitoring Plan Compliance Report is not required for this site. Monitoring requirements are addressed in the OM&M Manual.

VI. Operations and Maintenance Plan Compliance Report

A. Components of the OM&M Manual – Requirements of the OM&M Manual include the following:

- BSA Discharge Monitoring
- Groundwater Monitoring and Annual Groundwater Sampling
- Landfill Gas Monitoring
- Surface Water Level Measurements
- Quarterly Site Inspections
- Maintenance Activities (annual mowing of cap, repair of access roads and areas without vegetative cover, repair of areas showing erosion or subsidence, maintenance of the drainage and groundwater collection systems, etc).

B. Summary of OM&M Completed During 2010: BSA discharge monitoring, groundwater monitoring, quarterly site inspections, and other OM&M activities were completed in 2010 in accordance with the OM&M Manual. The following summarizes the activities completed:

- BSA discharge monitoring was conducted on a semi-annual basis through 2010. Samples collected were submitted to TestAmerica Laboratories of Amherst, New York for analyses of the required parameters. OMI prepared and submitted semi-annual discharge monitoring reports that documented the results of the monitoring to BSA. All sampling results were within the BSA permit limits. The next BSA discharge monitoring event is scheduled for April 2011.
- Groundwater levels for site piezometers, wells and groundwater collection trench sumps were recorded on a monthly basis. The annual groundwater sampling event was completed in October 2010 and included collection of aqueous samples from background monitoring well (MW-2) and collection system sumps; the samples were analyzed for parameters as described in the OM&M Manual. The results are summarized in the attached OM&M Report, and the analytical results are included in Appendix F thereto.
- Quarterly site inspections were conducted as outlined in the OM&M Manual.
- Routine maintenance activities were conducted, including cleaning the lift station flow meter and the sump pumps and snow removal.

- Non-routine maintenance activities completed in 2010 included the following:
    - Cleaned effluent line and replaced flow meter (1/22/10)
    - Annual landfill cap mowing (9/24/10)
    - Lubricated gas vents (5/24/10)
    - Replaced Pump #1 (6/16/10)
    - Pulled Pump #2 and replaced hard pipe with flexible pipe (6/21/10)
    - Removed Sediment from lift station and Sumps #1 and #2 (6/30/10)
    - Installed new low level control for Well #1 (8/16/10)
    - Cleared brush around wells (8/31/10)
    - Replaced circuit board for Pump #1 (9/22/10)

C. Evaluation of Remedial Systems: During 2010, the systems appeared to be effectively achieving the objectives of the remedial action, as described in the attached OM&M Report.

D. OM&M Deficiencies: Most of the monitoring points are fully functional; however, there are three damaged or destroyed monitoring points (MW-1, PZ-14, and PZ-16).

E. Conclusions and Recommendations: The following conclusions were developed based on the data collected during the 2010 OM&M period:

- Based on the results of the quarterly inspection reports, which verify that the integrity of the cap is adequate and vegetation is established, the remedy remains protective for direct contact with waste and impacted soils and sediments.
- Based on the evaluation of the 2010 groundwater elevation data, which indicates that groundwater is flowing into the groundwater collection trench as designed, the remedy is controlling impacted groundwater from discharging into the adjacent wetlands.
- Based on the results of the 2008 wetlands mitigation monitoring report, the wetlands mitigation area is providing wetland functions and values based on observations of wetland hydrology, wetland vegetation, and wildlife, and appears to be functioning as designed.
- Based on the analytical results from BSA discharge monitoring, compounds in the discharge are within the BSA permit limits.

The following recommendations were developed based on the data collected during 2010 OM&M period:

- BSA Discharge Monitoring – in accordance with the revised BSA permit, discharge monitoring will be conducted on a semi-annual basis during the months of April and October in 2011, with reports issued to BSA and copied to NYSDEC.

- Wetlands Mitigation Monitoring – Honeywell and MACTEC are in the process of responding to comments provided by the U.S. Army Corps of Engineers (COE) received via email dated February 25, 2011. Based on the outcome of communications with COE, it is anticipated that requirements for close-out of the 5-year COE permit and any additional monitoring or maintenance of the wetlands will be determined.

- Groundwater Monitoring – in conjunction with the site inspections, water levels will be collected on a quarterly basis from site monitoring wells, piezometers, and sumps. Annual groundwater monitoring will be completed in 2011 from the same monitoring points (background well MW-2 and the collection sumps) as used for prior monitoring events. Groundwater monitoring results will be reported in the next annual PRR submittal.

- Landfill Gas Monitoring – in conjunction with the site inspections, measurements of the lower explosive limit and of the percentage of methane gas will continue to be collected on a quarterly basis from gas vents GV-1, GV-2, GV-3, from 4 sump locations, and from 4 ground surface locations around the perimeter of the landfill.

- Surface Water Level Measurements –in conjunction with the site inspections, surface water levels will continue to be collected on a quarterly basis using the top of the weir structure at the north end of Pond A as a reference.

- Damaged/Destroyed Monitoring Points – during 2011, damaged landfill piezometers PZ-14 and PZ-16 will be abandoned in accordance with NY well abandonment guidelines.

- Site inspections should continue on a quarterly basis during 2011.

- Routine OM&M activities should continue on a monthly basis, or more frequently as needed, during 2011.

- The next PRR submittal, to include the annual OM&M report, should be completed and submitted to NYSDEC by the end of the 1st quarter 2012.

VII. Overall PRR Conclusions

A. Compliance: Activities completed during 2010 as noted above.

B. Performance and Effectiveness of the Remedy: The condition of the cap system and consistent groundwater flow into the groundwater collection trench indicate that the remedy is performing effectively.

C. Future PRR submittals: It is anticipated that the next PRR will be submitted by the end of the 1st quarter 2012.

Closing

Please contact Mr. John Scrabis at (412) 279-6661 with any questions or comments on this submittal.

Respectfully,

MACTEC Engineering and Consulting, Inc.

Eric Weiler
Project Scientist

John M. Scrabis
Senior Principal Engineer

EW/JMS

Attachments

cc: R. Galloway (Honeywell)
J. Mojka (Honeywell)
D. Sutton (City of Buffalo)

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ATTACHMENT A

PRR NOTICE
IC/EC CONTROLS CERTIFICATION FORM

Enclosure 1
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 9-15-054 /9-15-046B

Site Name Alltift Landfill Site /Ramco Steel Site
Site Address: 579 Tifft Street Zip Code: 14202
City/Town: Buffalo
County: Erie
Current Use: Landfill
Intended Use: Restricted Land Use, per deed restrictions

Verification of Site Details **Box 2**

	YES	NO	N/A
1. Are the Site Details above, correct?	☒	☐	
If NO, are changes handwritten above or included on a separate sheet?	☐	☐	
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment since the initial/last certification?	☐	☒	
If YES, is documentation or evidence that documentation has been previously submitted included with this certification?	☐	☐	
3. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property since the initial/last certification?	☐	☒	
If YES, is documentation or evidence that documentation has been previously submitted included with this certification?	☐	☐	
4. Has a change-of-use occurred since the initial/last certification?	☐	☒	
If YES, is documentation or evidence that documentation has been previously submitted included with this certification?	☐	☐	
5. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), has any new information revealed that assumptions made in the Qualitative Exposure Assessment for offsite contamination are no longer valid?	☐	☐	☒
If YES, is the new information or evidence that new information has been previously submitted included with this Certification?	☐	☐	
6. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), are the assumptions in the Qualitative Exposure Assessment still valid (must be certified every five years) ?	☐	☐	☒
If NO, are changes in the assessment included with this certification?	☐	☐	

SITE NO. 9-15-054 /9-15-046B **Box 3**

Description of Institutional Controls	**Control Certification** Yes	No
Operations, Monitoring, and Maintenance	☒	☐
*PROPOSED DEED RESTRICTIONS, including:		
Monitoring and Maintenance of Engineering Control Systems	☐	☒
Excavation Protocol	☐	☒
Land Use Restrictions	☐	☒
Groundwater Use Restrictions	☐	☒

Box 4

Description of Engineering Controls	**Control Certification** Yes	No
Cover System, Landfill cap, 6 NYCRR, Part 360	☒	☐
Fencing/Access Control	☒	☐
Groundwater Control and Recovery System	☒	☐

Control Certification Statement

For each Institutional or Engineering control listed above, I certify by checking "Yes" that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(d) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control.

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

*Note: Honeywell is currently working with NYSDEC to locate responsible persons for several of the properties involved so that deed restrictions can be implemented.

IC/EC CERTIFICATIONS
SITE NO.

Box 5

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 2 & 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I JOHN MOJKA (print name) at 101 COLUMBIA RD., MORRISTOWN, NJ (print business address)

am certifying as REMEDIAL PARTY (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

WITH PERMISSION — 3/30/2011

Signature of Owner or Remedial Party Rendering Certification — Date

Box 6

QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATURE

I certify that all information and statements in Box 4 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Mark Stelmack (print name) at PO Box 7050, 511 Congress St., Portland, ME (print business address)

am certifying as a Qualified Environmental Professional for ~~the~~ Honeywell International, Inc.

(Owner or Remedial Party) for the Site named in the Site Details Section of this form.

STATE OF NEW YORK ★ MARK JAMES STELMACK ★ LICENSED PROFESSIONAL ENGINEER 080317

Mark Stelmack — Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (if Required)

3-29-2011 — Date

ATTACHMENT B

2010
ANNUAL OPERATIONS, MAINTENANCE, AND MONITORING REPORT

2010
ANNUAL OPERATIONS, MAINTENANCE, AND MONITORING REPORT

ALLTIFT LANDFILL SITE /RAMCO STEEL SITE

Buffalo, Erie County, New York **(NYSDEC Site Nos. 9-15-054 /9-15-046B)**

SUBMITTED TO:

The New York State Department
of Environmental Conservation
Division of Hazardous Waste Remediation

SUBMITTED BY:

Honeywell
101 Columbia Road
Morristown, NJ 07962

PREPARED BY:

MACTEC Engineering and Consulting, Inc.

800 North Bell Avenue, Suite 200
Pittsburgh, Pennsylvania 15106
(412) 279-6661 Fax (412) 279-8567

March 2011

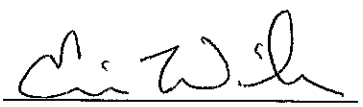
2010
ANNUAL OPERATIONS, MAINTENANCE, AND MONITORING REPORT

ALLTIFT LANDFILL SITE /RAMCO STEEL SITE
BUFFALO, NEW YORK

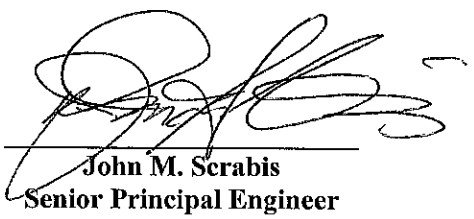
Prepared for:

HONEYWELL

Morristown, NJ 07962



Eric Weiler
Project Scientist



John M. Scrabis
Senior Principal Engineer

MACTEC Engineering and Consulting, Inc.
Pittsburgh, Pennsylvania

March 2011

Project 3410090675

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1.0 INTRODUCTION

In accordance with the New York State Department of Environmental Conservation (NYSDEC) Order on Consent (Index No. B9-0194-87-07), Honeywell (formerly Allied-Signal, Inc.) has performed a remedial action at the Alltift Landfill and the Ramco Steel sites, and is performing long-term operations, maintenance, and monitoring (OM&M) at the sites. MACTEC Engineering and Consulting, Inc. (MACTEC) has prepared this report on behalf of Honeywell to document the results of the OM&M activities performed. The activities described in this report were completed in accordance with the Operations, Maintenance, and Monitoring Manual (Parsons, 2006).

The primary remedial objectives at the Alltift Landfill site are to eliminate the potential for direct contact with waste and impacted soils and sediments, and to eliminate the potential for impacted groundwater to discharge to the Buffalo River. The key remedial actions for the site included the consolidation and capping of landfill waste and impacted soils and sediments; construction of groundwater collection and relief trenches for groundwater control; groundwater monitoring; and restoration of ponds and wetlands. Remedial construction began in November 2003 and was completed in November 2005.

This annual report has been prepared to summarize the OM&M activities completed at the sites from January 1, 2010 through December 31, 2010. Figures showing the site location and as-built Site Plan are included as Appendix A (Parsons, 2005). It is anticipated that the next annual OM&M report will be submitted by the end of the 1st quarter 2012.

1.1 PROJECT BACKGROUND AND SITE DESCRIPTION

The Alltift Landfill site is located at 579 Tifft Street in the southern portion of the City of Buffalo, Erie County, New York. Copies of figures that show the site location and as-built site plan, as provided in the Construction Certification Report (Parsons, 2005), are provided in Appendix A. The site is located south of Tifft Street, approximately 1,300 feet west of Hopkins Street, and 5,000 feet east of the intersection of Tifft Street and Route 5. It is bounded on the north by Tifft Street; on the west by a railroad right-of-way and tracks; on the south by several ponds and the Ramco Steel site; and on the east by Skyway Auto Parts, Inc.

The Ramco Steel site is adjacent to the southeastern tip of the Alltift Landfill, and is approximately 8.5 acres in size and generally square in shape. The site is bounded on the north by the Alltift Landfill and Skyway Auto Parts, Inc.; on the east by Niagara Cold Drawn; on the west by a railroad right-of-way and tracks; and on the south by Republic Steel or LTV (NYSDEC Site No. 9-15-047) and an abandoned facility formerly housing Sloan Auto Parts. The Ramco Steel site encompasses the body of water known as the Ramco Pond.

The Alltift Landfill site was a former landfill/waste disposal area that was remediated between November 2003 and November 2005 under an Order on Consent between AlliedSignal (now Honeywell) and the NYSDEC (NYSDEC, 1997). The remediation activities included the adjacent Ramco Steel site (NYSDEC Site No. 9-15-046B). The remediation involved consolidation of the wastes present on the Alltift Landfill and Ramco Steel sites into a capped landfill on the Alltift site. A groundwater control system was installed at the downgradient toe of the landfill to collect and pump groundwater that emanates from the landfill to a sewer line owned by the Buffalo Sewer Authority (BSA) in accordance with BPDES Permit #09-11-BU098 (BSA, 2007). As part of the remedial construction, man-made wetlands were created on the western and southern ends of the Alltift Landfill site and the adjacent Ramco Steel property (see Site Plan in Appendix A).

1.2 2010 OM&M ACTIVITIES

OM&M activities conducted at the site in 2010 included BSA discharge monitoring, groundwater monitoring, quarterly site inspections, and routine maintenance activities. These activities are described in detail in Section 2.0 of this report.

2.0 SUMMARY OF 2009 OM&M ACTIVITIES

Since September 2007, Honeywell has contracted with CH2M HILL OMI (OMI) to perform the OM&M activities at the site. In 2010, the annual groundwater sampling activities were also conducted by OMI. The following sections summarize the OM&M activities completed in 2010.

2.1 BSA DISCHARGE MONITORING

As part of the Remedial Action, a groundwater collection trench was installed along the western and southern perimeter of the landfill cap to intercept shallow groundwater, and a groundwater relief trench was installed along the western toe of the landfill to control leachate. The groundwater collection trench contains four vertical pumping points, identified as Sumps 1 through 4, which are constructed similar to extractions wells. Pumps in Sumps 1 and 2 operate continually in order to transfer the groundwater from the collection and relief trenches to a lift station at the southeastern corner of the site. The lift station then transfers the water through a force main to a manhole located on Hopkins Street, under a permit with the BSA.

In accordance with the revised BSA permit, samples from the lift station were collected and analyzed semi-annually in April and October 2010. The results of the sampling are discussed in Section 3.1.

2.2 GROUNDWATER MONITORING

The 2010 groundwater monitoring activities included the collection of monthly water level measurements and annual groundwater sampling. These activities are summarized in the following subsections. The results of the activities are discussed in Section 3.2.

2.2.1 Monthly Water Level Measurements

Water level measurements were collected on a monthly basis from monitoring well MW-2, piezometers PZ-1 through PZ-13, piezometer PZ-15, and sumps 1 through 4 in order to monitor groundwater elevations upgradient, within, and downgradient of the groundwater collection trench. Three monitoring points specified in the OM&M Manual could not be included in the monitoring program: background monitoring well MW-1 has apparently been destroyed or paved over by the

adjacent property owner, and landfill piezometers PZ-14 and PZ-16 have damaged well casing which does not allow passage of a water level meter or sampling equipment.

2.2.2 Groundwater Sampling

On October 20 and 21, 2010, MACTEC collected groundwater samples from background monitoring well MW-2 and the groundwater collection trench sumps. The samples were collected and analyzed in accordance with the OM&M Manual (Parsons, 2006). During the sampling event, the depth to water and total well depth were gauged and recorded at monitoring well MW-2 prior to purging activities. Well MW-2 was purged and sampled using low-flow techniques, which includes monitoring field measurements such as pH, temperature, conductivity, and dissolved oxygen for stabilization prior to sampling. Field measurements of these parameters were also recorded at all of the sumps prior to sampling. A peristaltic pump with dedicated tubing was used to collect each sample. Grab samples were collected from each sump, and one composite sample was collected from the four sumps during the sampling event. Due to slow recharge in MW-2, a Matrix Spike (MS), Matrix Spike Duplicate (MSD), and duplicate sample were collected from Sump 4. Immediately upon completion of sample collection, the groundwater samples were packed with ice in laboratory coolers, and delivered to the laboratory. Chain-of-Custody procedures were followed per the OM&M Manual (Parsons, 2006).

The 2010 groundwater samples were analyzed as follows:

Parameter	Analytical Method	Where Collected
Volatile Organic Compounds Benzene, chlorobenzene, ethylbenzene, xylenes, 1,2-dichlorobenzene, 1,4-dichlorobenzene	EPA 8260	MW-2 Sumps 1 through 4(1) Sump 4 (Duplicate, MS, MSD)
Semivolatile Organic Compounds naphthalene, 4-chloroaniline	EPA 8270	MW-2 Sump Composite(2) Sump 4 (Duplicate, MS, MSD)
Pesticides/PCBs 4.4-DDD, 4.4-DDE PCB Aroclors	EPA 8081 EPA 608	MW-2 Sump Composite(2) Sump 4 (Duplicate, MS, MSD)
Total Metals antimony, arsenic, cadmium, chromium, iron, lead, manganese, mercury	EPA 6020/6010 /7470	MW-2 Sump Composite(2) Sump 4 (Duplicate, MS, MSD)

Notes:
(1) Individual samples were collected for VOC analysis to minimize potential volatilization of compounds
(2) Composite of Sump 1 through Sump 4

2.3 LANDFILL GAS MONITORING

Landfill gas monitoring was completed by OMI at the three gas vents during all four quarters of 2010. Landfill gas monitoring data was also collected from the four corners of the landfill and from each of the sumps during the second, third and fourth quarters. The results of the monitoring are described in Section 3.4.

2.4 SITE INSPECTIONS

Quarterly inspections were completed by OMI on February 15, April 29, August 16, and October 27, 2010. The inspections were conducted in accordance with the OM&M Manual (Parsons, 2006). The cap, collection systems, monitoring points, and gas vents were visually inspected during each event. The results of the inspections are discussed in Section 3.5.

2.5 MAINTENANCE ACTIVITIES

Maintenance activities were performed routinely by OMI for the site on a monthly basis or as needed throughout the year. The following is a summary of the routine and additional maintenance activities completed at the site during the 2010 calendar year:

- Periodically inspected and cleaned the lift station flow meter
- Plowed entrance road as necessary
- Cleaned effluent line and replaced flow meter (1/22/10)
- Annual landfill cap mowing (9/24/10)
- Lubricated gas vents (5/24/10)
- Replaced Pump #1 (6/16/10)
- Pulled Pump #2 and replaced hard pipe with flexible pipe (6/21/10)
- Removed sediment from lift station and Sumps #1 and #2 (6/30/10)
- Installed new low level control for Sump #1 (8/16/10)
- Cleared brush around wells (8/31/10)
- Replaced circuit board for Pump #1 (9/22/10)

2.6 WETLAND MONITORING

In 2005, wetlands were constructed on the site to restore and enhance the wetlands impacted during the capping of the landfill located at the site. Wetland mitigation was undertaken in accordance with a letter issued by the U.S. Army Corps of Engineers (COE) regarding Permit Application No. 98-976-0162(0). In accordance with the OM&M Manual (Parsons, 2006) and the U.S. Army Corps of Engineers (COE) Nationwide Permit No. 38 (USACE, 2004), annual wetlands inspections were conducted and wetlands mitigation monitoring reports were produced for the first three years of the permit (calendar years 2006, 2007, and 2008). The results of the 2008 inspection indicated that the wetlands mitigation area, which includes 11.4 acres of emergent marsh and open water habitat, has met the general and special conditions included in the permit and is providing wetland functions and values based on observations of wetland hydrology, wetland vegetation, and wildlife. Based on these results and in accordance with the COE Nationwide permit, wetlands mitigation monitoring was not conducted for 2009. Honeywell and MACTEC are in the process of responding to COE comments received via email on February 25, 2011. Based on the outcome of communications with COE, it is anticipated that requirements for close-out of the 5-year COE permit and any additional monitoring or maintenance of the wetlands will be determined.

2.7 2010 OM&M PROCEDURE MODIFICATIONS

2.7.1 BSA Discharge Monitoring

The BSA discharge permit for the groundwater collection system effluent was modified by the BSA in November 2009. The new BSA permit, which became effective on December 1, 2009 and expires on November 30, 2012, revised the discharge monitoring frequency from monthly to semi-annually, and reduced the number of parameters with permit limits and associated analytical testing requirements. These changes were made based on the consistency of the data associated with the monthly monitoring conducted from 2006 through 2009. Thus, BSA effluent monitoring was completed in April and October of 2010. This is discussed further in Section 3.1.

2.7.2 Surface Water Level Measurements

Three staff gauges, installed in wetland ponds A, B, C, were used to measure surface water levels during 2006 and 2007. In 2008, two of the staff gauges could not be located and the third staff gauge was found in a damaged condition. Water elevation measurements were collected once in 2010 from the top of the weir structure located at the north end (i.e. outlet end) of Pond A.

2.7.3 Groundwater Monitoring Points – MW-1, PZ-14, and PZ-16

As noted in Section 2.2.1, background monitoring well MW-1 has been destroyed and landfill piezometers PZ-14 and PZ-16 are damaged such that water level measurements and sampling cannot be performed. Recommendations are provided in Section 4.0 regarding these specific monitoring points.

3.0 RESULTS OF 2010 OM&M ACTIVITIES

As discussed previously, OMI completed the 2010 OM&M activities at the site and the annual groundwater sampling. The following sections summarize the results of OMI's activities.

3.1 BSA DISCHARGE MONITORING

As required under the BSA discharge permit, samples of the system effluent were collected from the lift station by OMI on a semi-annual basis in April and October of 2010. Samples collected were submitted to TestAmerica Laboratories of Amherst, New York for analyses of the required parameters. OMI prepared and submitted semi-annual discharge monitoring reports that documented the results of the monitoring of discharge water to the BSA. All sampling results were within the BSA permit limits. These reports were sent to the BSA and NYSDEC on a semi-annual basis (Appendix B).

Semi-annual sampling will continue in 2011 as required under the BSA discharge permit. The semi-annual sampling events are scheduled to be conducted during the months of April and October for the years covered under the permit.

3.2 GROUNDWATER MONITORING

The 2010 groundwater monitoring activities included the collection of monthly water level measurements and conducting annual groundwater sampling. The results of these activities are described in the following subsections.

3.2.1 Monthly Water Level Measurements

Groundwater levels in site piezometers, wells and groundwater collection trench sumps were recorded on a monthly basis. Copies of the tables that show the monthly water level measurements for 2010 are included in Appendix C. Copies of tables that summarize the quarterly groundwater elevations for 2010 are included in Appendix D. The groundwater elevations were used to prepare the quarterly groundwater contour maps for 2010, which are presented in Appendix E. Based on the groundwater elevation data, groundwater flowing toward the toe of the Alltift landfill is being collected by the groundwater capture trench system, as designed.

3.2.2 Groundwater Sampling

Groundwater sampling was conducted at the site in October 2010 in accordance with the OM&M Manual (Parsons, 2006). The analytical laboratory report for the October 2010 groundwater sampling event is provided as Appendix F.

The analytical results for the groundwater sampling event in October 2010 are summarized on Table 1. The analytical results for the discharge samples collected from the low-lift station were within the BSA permit limits (see subsection 3.1). During the October 2010 sampling event, concentrations of chlorobenzene above the NYSDEC Class GA (groundwater) standard of 5 µg/L were detected in grab samples from Sump 1 (8.6 µg/L), Sump 2 (160 µg/L), and Sump 4 (28 µg/L) and composite Sump 1-4 sample (88 µg/L); benzene (8.7 µg/L) was detected in the grab sample from Sump 2 exceeding the NYSDEC Class GA standard of 1 µg/L; and concentrations of iron (0.309 mg/L) and manganese (7.5 and 7.35 mg/L) exceeding the NYSDEC Class GA standards of 0.3 mg/L for each were detected in the grab Sump 4 sample; and antimony (0.0044 mg/L) exceeding the NYSDEC Class GA standard of 0.003 mg/L was detected in the grab Sump 4 sample. Based on a comparison of detections in the sump samples to detections in the background well (MW-2), it does not appear that contaminants of concern are migrating onto the site. Neither PCBs nor pesticides were detected in the samples collected from this event or from previous events. The 2010 groundwater monitoring results are consistent with the results from prior groundwater monitoring events.

3.3 SURFACE WATER MEASUREMENTS

A surface water level measurement was collected in 2010 from a weir structure located at the north end (i.e. outlet end) of Pond A. The top of the concrete weir has an elevation measurement point of 580.26 feet. The water level at the time of measurement was 11-inches below the top of the concrete weir. The surface water level was at 579.34 feet during the measuring event.

3.4 LANDFILL GAS MONITORING

Landfill gas monitoring was conducted on a quarterly basis in 2010. During the first quarter (Q1) only the gas vents (GV-1, GV-2 and GV-3) were monitored. The gas vents were monitored only

for percent of the Lower Explosive Limit (LEL), Table 2. During the second through fourth quarters (Q2, Q3, and Q4) of 2010, four ground monitoring locations and the four sumps locations (Sump 1 through Sump 4) were also monitored. The four ground monitoring locations were:

- Ground 1 - Northwest corner of landfill
- Ground 2 – West side of landfill
- Ground 3 – Southeast corner of landfill
- Ground 4 – Northeast corner of landfill

Parameters monitored in the second, third, and fourth quarters included LEL (Q2), Methane (Q2, Q3, and Q4), Oxygen (Q2, Q3, and Q4), LEL of Methane (Q3 and Q4), and Carbon Dioxide (Q3 and Q4). During 2010, only monitoring the gas vents GV-2 and GV-3 detected a percentage of the LEL or methane gas at the site.

3.5 SITE INSPECTIONS

Quarterly site inspections were performed by OMI on February 15, April 29, August 16, and October 27, 2010. The inspections were conducted in accordance with the OM&M Manual (Parsons, 2006). The wetlands, wells, drainage system, gas vents, and cap were visually inspected. Copies of the completed inspection checklists are provided in Appendix G.

A representative of the NYSDEC participated in the second and fourth quarter inspections. These inspections indicated that the site has a substantial vegetative cover and that the surface drainage system is in good condition. The lack of sediment buildup, ponded water, uncontrolled runoff, or slope instability indicates that the drainage system is adequate and operational. The access road is in good condition. The condition of the perimeter fence, gates, locks, and signs are sufficient to restrict access. The integrity of the groundwater monitoring wells, piezometers, and sumps, with the exception of monitoring points MW-1, PZ-14 and PZ-16, as noted above, were verified during the inspections. More specific information regarding the quarterly inspections are provided in the subsections below.

3.5.1 February 15, 2010 Inspection

The integrity of the cap was acceptable during the inspection. The condition the fence, gates, locks, and access roads were acceptable and there was no evidence of trespassers or vandalism. The gas venting system, groundwater collection system, monitoring well, and sumps were in

acceptable condition. Because of snow on the ground covering the entire site, the vegetative cover could not be inspected and was inspected during the subsequent inspections.

3.5.2 April 29, 2010 Inspection

The integrity of the cap and vegetative cover were acceptable during the inspection. The condition of the fence, gates, locks, and access roads were acceptable and there was no evidence of trespassers or vandalism. The gas venting system, groundwater collection system, monitoring well, and sumps were observed to be in acceptable condition. During the inspection, NYSDEC noted that the passive gas vent turbines needed to be oiled. This action item was completed by OMI in May of 2010. Also, the NYSDEC noted that the gas sample port casing was sinking into the ground, making it difficult to close the cap. During the inspection, beaver huts were prevalent in the wetlands area, an indication that the wetland is supportive of wildlife.

3.5.3 August 16, 2010 Inspection

The integrity of the cap and vegetative cover were acceptable during the inspection. The condition of the fence, gates, locks, and access roads were acceptable and there was no evidence of trespassers or vandalism. The gas venting system, groundwater collection system, monitoring well, and sumps were observed to be in acceptable condition.

3.5.4 October 27, 2010 Inspection

The integrity of the cap and vegetative cover were acceptable during the inspection. The condition of the fence, gates, locks, and access roads were acceptable and there was no evidence of trespassers or vandalism. The gas venting system, groundwater collection system, monitoring well, and sumps were observed to be in acceptable condition.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions were developed based on the data collected during the 2010 OM&M period:

- Based on the results of the quarterly inspection reports, which verify that the integrity of the cap is adequate and vegetation is established, the remedy remains protective for direct contact with waste and impacted soils and sediments.

- Based on the evaluation of the collected groundwater elevation data, which indicates that impacted groundwater is flowing into the groundwater collection trench as designed, the remedy is preventing impacted groundwater from discharging into the adjacent wetlands.

- Based on the results of the 2008 wetlands mitigation monitoring report and 2010 visual inspections, the wetlands mitigation area is providing wetland functions and values based on observations of wetland hydrology, wetland vegetation, and wildlife, and appears to be functioning as designed.

- Based on the analytical results from BSA discharge monitoring, compounds in the discharge are within the BSA permit limits.

The following recommendations were developed based on the data collected during 2010 OM&M period:

- Concentrations of PCBs and pesticides have not been detected in groundwater samples collected at the site since monitoring activities began in 2006. Therefore, it is recommended to remove these analytes from future annual groundwater monitoring events.

- BSA Discharge Monitoring – in accordance with the revised BSA permit, discharge monitoring will be conducted on a semi-annual basis during the months of April and October in 2011, with reports issued to BSA and copied to the NYSDEC.

- Wetlands Mitigation Monitoring – Honeywell and MACTEC are in the process of responding to comments provided by the U.S. Army Corps of Engineers (COE) received via email dated February 25, 2011. Based on the outcome of communications with COE, it is anticipated that requirements for close-out of the 5-year COE permit and any additional monitoring or maintenance of the wetlands will be determined.

- Groundwater Monitoring – in conjunction with the site inspections, water levels will be collected on a quarterly basis from site monitoring wells, piezometers, and sumps. Annual groundwater monitoring will be completed in 2011 from the same monitoring points (background well MW-2 and the collection sumps) as used for prior monitoring events. Groundwater monitoring results will be reported in the next annual PRR submittal.

- Landfill Gas Monitoring – in conjunction with the site inspections, measurements of the lower explosive limit and of the percentage of methane gas will continue to be collected on a quarterly basis from gas vents GV-1, GV-2, GV-3, from 4 sump locations, and from 4 ground surface locations around the perimeter of the landfill.

- Surface Water Level Measurements –in conjunction with the site inspections, surface water levels will continue to be collected on a quarterly basis using the top of the weir structure at the north end of Pond A as a reference.

- Damaged/Destroyed Monitoring Points – during 2011, damaged landfill piezometers PZ-14 and PZ-16 will be abandoned in accordance with NY well abandonment guidelines.

- Site inspections should continue on a quarterly basis during 2011.

- Routine OM&M activities should continue on a monthly basis, or more frequently as needed, during 2011.

- The next PRR submittal, to include the annual OM&M report, should be completed and submitted to NYSDEC by the end of the 1st quarter 2012.

5.0 REFERENCES

NYSDEC, 1995. March 17, 1995, Record of Decision, Alltift Landfill Site, City of Buffalo, Erie County, Site No. 9-15-054, signed by Michael J. O'Toole, Jr.

NYSDEC, 1996. March 21, 1996, Record of Decision, Ramco Steel Site, City of Buffalo, Erie County, Site No. 9-15-046B, signed by Michael J. O'Toole, Jr.

NYSDEC, 1997. Order on Consent between AlliedSignal, Inc. and NYSDEC, Index #B9-87-194, #B9-0358-91-2, Site Codes #9515054 and 915046B. December 1997.

USACE, 2004. March 24, 2004, Application No. 98-976-0162(0), Nationwide Permit No. (38) as Published in the Federal Register, Volume 67, No. 10, on Tuesday, January 15, 2002, signed by Gary E. McDannell.

Parsons, 2005. Construction Certification Report for Alltift Landfill Site (NYSDEC Site No. 9-15-054) and Ramco Steel Site (NYSDEC Site No. 9-15-046B), Buffalo, New York. December 2005.

Parsons, 2006. Operations, Maintenance, and Monitoring Manual for Alltift Landfill Site, NYSDEC Site No. 9-15-054 and Ramco Steel Site, NYSDEC Site No. 9-15-046B, Buffalo, New York. March 2006.

MACTEC, 2006. October 24, 2006, Semi-Annual Update for Alltift Landfill Site, NYSDEC Site No. 9-15-054 and Ramco Steel Site, NYSDEC Site No. 9-15-046B, Buffalo, New York, signed by Raymond R. Orloski and John M. Scrabis, P.E.

BSA, 2007. December 1, 2007, BPDES Permit #07-10-BU098, Authorization to Discharge, Alltift Landfill/Ramco Steel Remediation Sites, Buffalo, New York.

NYSDEC, 2009. September 2, 2009, Alltift Landfill/Ramco Steel, Site Nos. 9-15-054/915046B, Buffalo (c), Erie County, signed by Maurice F. Moore.

Honeywell, 2009. September 23, 2009, NYSDEC letter dated September 2, 2009, Alltift Landfill/Ramco Steel, Site Nos. 9-15-054/915046B, Buffalo, Erie County, New York, signed by Richard Galloway.

BSA, 2009. December 1, 2009, BPDES Permit #07-10-BU098, Authorization to Discharge, Alltift Landfill/Ramco Steel Remediation Sites, Buffalo, New York.

TABLE

TABLE 1
Summary of Groundwater Analytical Results - 2010
2010 Annual OM&M Report
Alltift Landfill /Ramco Steel Site
Project # 3410090675

Parameter Name	Units	NYSDEC Class GA Standards	MW-2-102010 10/20/2010	MW-2-102110 10/21/2010	Sump 1-102010 10/20/2010	Sump 2-102010 10/20/2010	Sump 3-102010 10/20/2010	Sump 4-102810 10/28/2010	FDUP-102810 (Sump 4) 10/28/2010	Sump 1-4 Comp-102510 10/25/2010
Metals (Dissolved)										
ANTIMONY	**mg/L**	**0.003**		**0.0003 J**				**0.0044**	**0.0047**	
ARSENIC	**mg/L**	**0.025**		**0.0011**				**0.0052**	**0.0051**	
CADMIUM	**mg/L**	**0.005**		0.0005 U				0.0005 U	0.0005 U	
CHROMIUM	**mg/L**	**0.05**		**0.0019**				**0.0049**	**0.004**	
IRON	**mg/L**	**0.3**		**0.086**				**0.297**	**0.309**	
LEAD	**mg/L**	**0.025**		0.005 U				0.005 U	**0.0038**	
MANGANESE	**mg/L**	**0.3**		**0.0281**				**7.5**	**7.35**	
MERCURY	**mg/L**	**0.0007**		0.0002 U				0.0002 U	0.0002 U	
Pesticides										
4,4'-DDE	**ug/L**	**0.2**		0.05 U				0.047 U	0.047 U	
4,4'-DDD	**ug/L**	**0.3**		0.05 U				0.047 U	0.047 U	
PCBs										
AROCLOR-1016	**ug/L**			0.06 U				0.057 U	0.057 U	
AROCLOR-1221	**ug/L**			0.06 U				0.057 U	0.057 U	
AROCLOR-1232	**ug/L**			0.06 U				0.057 U	0.057 U	
AROCLOR-1242	**ug/L**			0.06 U				0.057 U	0.057 U	
AROCLOR-1248	**ug/L**			0.06 U				0.057 U	0.057 U	
AROCLOR-1254	**ug/L**			0.06 U				0.057 U	0.057 U	
AROCLOR-1260	**ug/L**			0.06 U				0.057 U	0.057 U	
VOCs										
BENZENE	**ug/L**	**1**	1 U		1 U	**8.7**	1 U	1 U	**0.5 J**	50 U,E
CHLOROBENZENE	**ug/L**	**5**	1 U		**8.6**	**160 DIL**	1 U	**28**	**30**	**88** DIL,E
ETHYLBENZENE	**ug/L**	**5**	1 U		1 U	1 U	1 U	1 U	1 U	
XYLENES, TOTAL	**ug/L**	**5**	2 U		2 U	2 U	2 U	2 U	2 U	
1,2-DICHLOROBENZENE	**ug/L**	**3**	1 U		1 U	1 U	1 U	1 U	1 U	
1,4-DICHLOROBENZENE	**ug/L**	**3**	1 U		1 U	**1.2**	1 U	1 U	1 U	
SVOCs										
4-CHLOROANILINE	**ug/L**	**5**		5.1 U				**0.69 J**	**0.58 J**	**1.8 J,E**
NAPHTHALENE	**ug/L**	**10**		5.1 U				4.7 U	4.7 U	**9.3 E**
General Chemistry										
pH	S.U.	6.5 ≤ Value ≤ 8.5								7.4
TSS	mg/L									29.6

Note:
Bold - Detected during Laboratory Analysis
J - Analyte Detected Below Reporting Limit
U - Analyte not detected
DIL - Dilution Required for Analysis
E - Analyzed using E624/E625 Method
Shading indicates exceedance of NYSDEC Class GA Standard

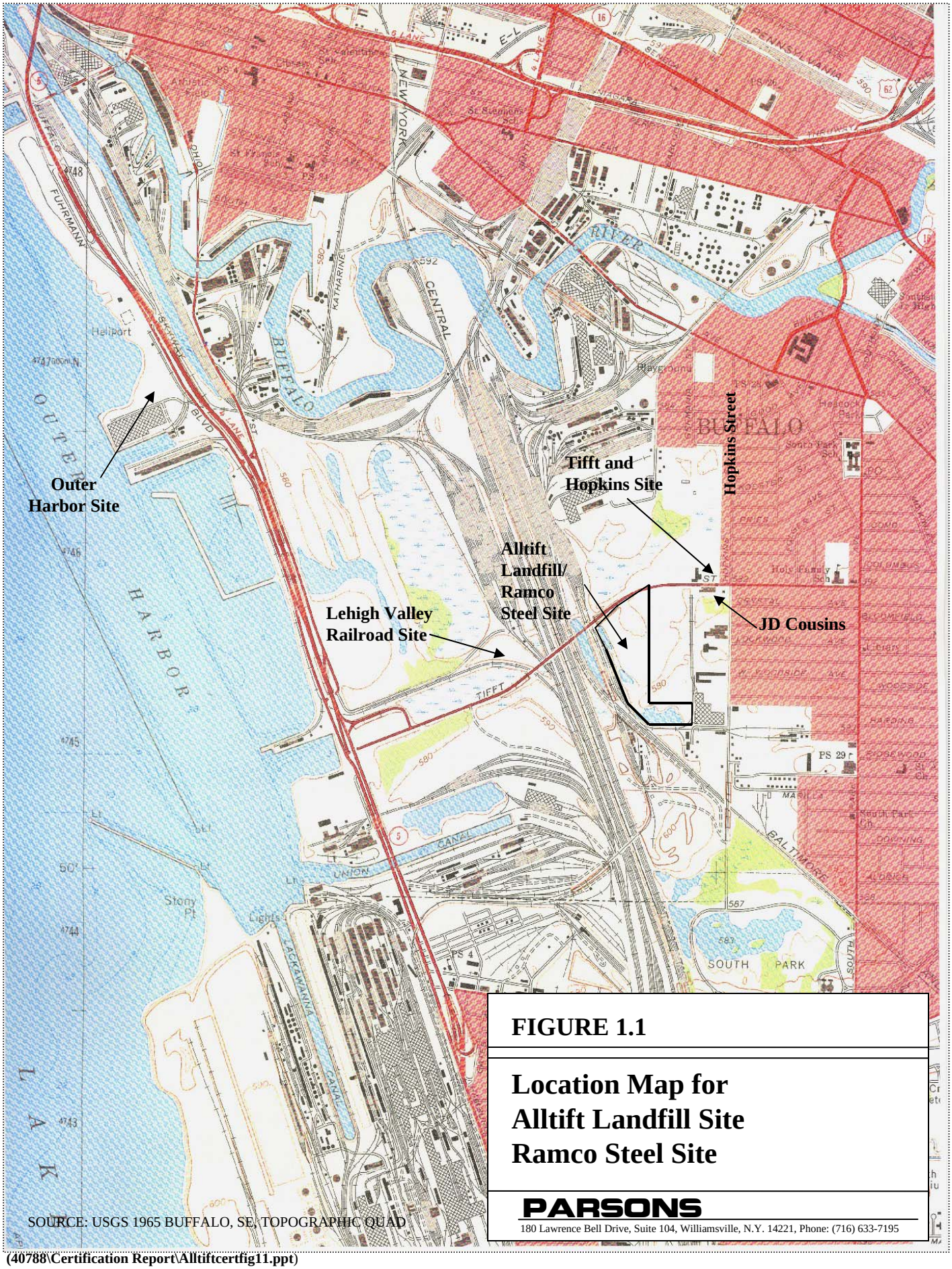
TABLE 2
Quarterly Landfill Gas Monitoring Data - 2010
2010 Annual OM Report
Alltift Landfill/Ramco Steel Site
Project #3410090675

	First Quarter					Second Quarter					Third Quarter					Fourth Quarter				
	LEL	CH_4	O_2	LEL CH_4	CO_2	LEL	CH_4	O_2	LEL CH_4	CO_2	LEL	CH_4	O_2	LEL CH_4	CO_2	LEL	CH_4	O_2	LEL CH_4	CO_2
GV-1	0	NA	NA	NA	NA	0	0	20.3	0	NA	NA	0	20.5	0	0	NA	0	21	NA	0.1
GV-2	100	NA	NA	NA	NA	10	0.2	20.6	5	NA	NA	19.6	9.2	OR	5.8	NA	0	21.2	NA	0.1
GV-3	22	NA	NA	NA	NA	0	0	20.3	0	NA	NA	0	20.3	0	0.4	NA	0	21.1	NA	0.1
Ground 1	NA	NA	NA	NA	NA	0	0	20.8	0	NA	NA	0	21.2	0	0	NA	0	21	NA	0.1
Ground 2	NA	NA	NA	NA	NA	0	0	20.8	0	NA	NA	0	20.9	0	0	NA	0	21.1	NA	0.1
Ground 3	NA	NA	NA	NA	NA	0	0	20.8	0	NA	NA	0	20.9	0	0	NA	0	20.9	NA	0
Ground 4	NA	NA	NA	NA	NA	0	0	20.8	0	NA	NA	0	20.9	0	0	NA	0	21.1	NA	0.1
Sump 1	NA	NA	NA	NA	NA	0	0	20.8	0	NA	NA	0	21.25	0	0	NA	0	21	NA	0.1
Sump 2	NA	NA	NA	NA	NA	0	0	20.8	0	NA	NA	0	20.9	0	0.1	NA	0	20.7	NA	0.3
Sump 3	NA	NA	NA	NA	NA	0	0	20.8	0	NA	NA	0	21	0	0	NA	0	21.1	NA	0.1
Sump 4	NA	NA	NA	NA	NA	0	0	20.8	0	NA	NA	0	20.9	0	0	NA	0	21.1	NA	0.1

All numbers are in percent (%)
NA - This parameter Not Analyzed during Site Visit
OR - Out of Range of Instrument
Ground 1 - Monitoring location in the Northwest corner of Landfill
Ground 2 - Monitoring location on the West side of Landfill
Ground 3 - Monitoring location in the Southeast corner of Landfill
Ground 4 - Monitoring location in the Northeast corner of Landfill

APPENDIX A

Site Location and As-Built Site Plan Figures



SOURCE: USGS 1965 BUFFALO, SE, TOPOGRAPHIC QUAD

FIGURE 1.1

Location Map for Alltift Landfill Site Ramco Steel Site

PARSONS
180 Lawrence Bell Drive, Suite 104, Williamsville, N.Y. 14221, Phone: (716) 633-7195

(40788\Certification Report\Alltiftcertfig11.ppt)

GRID NORTH

Stone Road

TIFFT STREET

STATE OF NEW YORK PROPERTY (NYSDOT)

ENTRANCE GATE

CONTROL SHED

WEIR

GWR-1

GWCT Sump-1

PZ-1

PZ-4

PZ-15

GV-1

GV-3

PZ-13

MW-1

667 TIFFT STREET (PROCESS WELDING & FABRICATIONS) PROPERTY (JD COUSINS)

LANDS NOW OR FORMERLY OF SKYWAY AUTOPARTS, INC. L.9170/P.229

PZ-12

PZ-14

MW-2

PZ-2

PZ-5

ALLTIFT LANDFILL SITE

GROUNDWATER COLLECTION TRENCH

GWCT Sump-2

PZ-11

GV-2

RELIEF TRENCH

CITY OF BUFFALO L.8769/P.238

PZ-16

WETLANDS

PZ-3

PZ-6

GWR-2

GWCT Sump-3

SOUTH BUFFALO RAILWAY/ BUFFALO PITTSBURG RAILROAD, INC.

LIFT STATION

PZ-7

PZ-8

GWCT Sump-4

PZ-9

FORCE MAIN CONNECTED TO BSA

AREA NOT TO BE MOWED

PZ-10

BUZZARD CORP.

SOUTH BUFFALO RAILWAY, CO. L.4019/P.541

MH

Hopkins Street

RAMCO STEEL SITE

CITY OF BUFFALO L.9580/P.710

CSX/ ADRIAN REALTY CO. L.1436/P.446

NIAGARA LaSALLE

WETLANDS

CITY OF SOUTH BUFFALO RAILWAY, CO. L.4019/P.541

CITY OF BUFFALO L.9797/P.392

COLGATE STREET (66' WIDE RIGHT-OF-WAY)

HOPKINS STREET (66' WIDE)

EXISTING STREET BOUNDARY

ABBY STREET (66' WIDE ROW)

CASTING STREET (66' WIDE RIGHT-OF-WAY)

GERMANIA STREET (66' WIDE RIGHT-OF-WAY)

LEGEND

MW-1	MONITORING WELL
PZ-16	PIEZOMETER
GV-2	GAS VENT
Sump-3	GROUNDWATER COLLECTION SUMP
	SURFACE DRAINAGE FLOW
	RAILROAD TRACKS
	CAP LIMIT LINE
	RELIEF TRENCH
	COLLECTION TRENCH
	DISCHARGE FORCEMAIN
	PROPERTY LINE
	CHAINLINK FENCE

250 0 250 500

SCALE: 1"=250'

PARSONS
180 LAWRENCE BELL DRIVE, SUITE 104
WILLIAMSVILLE, NEW YORK 14221
716-633-7074

FIGURE 2.1

ALLTIFT LANDFILL/RAMCO STEEL SITE
REMEDIATION CONSTRUCTION

SITE PLAN

P:\440788\CAD\RE-DESIGN-8-04\AS-BUILT\SK-440788-F02.dwg, 03/22/06 at 15:57, MAB, 1=1
No XREFs

APPENDIX B

Discharge Monitoring Reports – May and November 2010

CH2M HILL OMI
Syracuse Honeywell
1563 Willis Avenue
Syracuse, NY 13204
Tel 315.468.1663
Fax 315.468.1664

CH2MHILL
OMI

May 13, 2010

Mr. James Overholt
Buffalo Sewer Authority
90 West Ferry Street
Buffalo, New York 14213-1799

Subject: **Alltift Landfill/Ramco Steel Site**
Discharge Monitoring Report
2010 First Semi-Annual Report
Permit Number 09-11-BU098

Dear Mr. Overholt:

Enclosed please find the 2010 First Semi-Annual discharge monitoring report for the pumping facility located at the Alltift Landfill/Ramco Steel (Alltift) Site. The total flow to the Buffalo Sewer Authority (BSA) during this period was 2,086,900 gallons. The flow was measured from a totalizing meter within the lift station at the Alltift Site from November 11, 2009 through April 16, 2010 for a total of 156 days.

A time composite discharge sample was collected from within the pump station on April 22, 2010. Four samples were collected over an evenly-spaced work day period for VOCs, SVOCs, and PCBs, and composited in the laboratory. The sample for TSS and pH were collected as one sample over an evenly-spaced work day period and composited in the field. A summary of the analytical results, compared to permit limits, is provided in Table 1. All parameters were in compliance with the BSA permit limits.

If you have any questions or require additional information, please contact me at (315) 468-1663.

Sincerely,

CH2M HILL OMI, INC.

John W. Formoza
Project Manager

QC Review By: Ryan Belcher

cc.: Mr. Rich Galloway (Honeywell)
Mr. Maurice Moore (NYSDEC)
Mr. Dennis Sutton (City of Buffalo)

Table 1
Alltift Landfill/Ramco Steel Site
First Semi-annual Report for 2010
Discharge Monitoring Report

BSA Permit No. 09-11-BU98	
Sample Date:	April 22, 2010
Sample Location:	Onsite Pump Station to BSA

BSA Permit Parameter	Input Analytical Results			Converted Analytical Results		BSA Daily Max Discharge Limit		Permit Compliance
	Quantity	Reporting Limit	Unit	Quantity	Unit	Quantity	Unit	
pH	7.70	NA	SU	7.70	SU	5.0 - 12.0	SU	Yes
Benzene	ND	100	ug/L	ND	lbs/day	0.068	lbs/day	Yes
Chlorobenzene	110	100	ug/L	0.0123	lbs/day	0.148	lbs/day	Yes
4-Chloroaniline	35	50	ug/L	0.0039	lbs/day	0.048	lbs/day	Yes
Naphthalene	2.3	50	ug/L	0.00026	lbs/day	0.048	lbs/day	Yes
Total Suspended Solids	51.2	4.0	mg/L	51.2	mg/L	250	mg/L	Yes
Total Flow (average)	9.29		gpm	13,378	gpd	57,600	gpd	Yes

Flow Calculations ***(see note1)***	**Old Meter**	**New Meter**		
Initial Reading (pump station)	22018600	0		11/11/2009
Final Reading (pump station)	22612000	1493500		4/16/2010
Total Days in Period			156	
Total Flow for Period	**593,400**	**1,493,500**	**2,086,900**	gallons
Average Flow for Period			**9.29**	gpm

Note1: A new flow meter was installed on January 26, 2010, at which time the flow totalizing meter reading was 22612000.

CH2M HILL OMI
Syracuse Honeywell
1563 Willis Avenue
Syracuse, NY 13204
Tel 315.468.1663
Fax 315.468.1664

CH2MHILL
OMI

November 10, 2010

Mr. James Overholt
Buffalo Sewer Authority
90 West Ferry Street
Buffalo, New York 14213-1799

Subject: **Alltift Landfill/Ramco Steel Site**
Discharge Monitoring Report
2010 Second Semi-Annual Report
Permit Number 09-11-BU098

Dear Mr. Overholt:

Enclosed please find the 2010 Second Semi-Annual discharge monitoring report for the pumping facility located at the Alltift Landfill/Ramco Steel (Alltift) Site. The total flow to the Buffalo Sewer Authority (BSA) during this period was 1,525,500 gallons. The flow was measured from a totalizing meter within the lift station at the Alltift Site from April 16, 2010 through October 26, 2010 for a total of 193 days.

A time composite discharge sample was collected from within the pump station on October 26, 2010. Four samples were collected over an evenly-spaced work day period for VOCs, SVOCs, and PCBs, and composited in the laboratory. The sample for TSS and pH were collected as one sample over an evenly-spaced work day period and composited in the field. A summary of the analytical results, compared to permit limits, is provided in Table 1. All parameters were in compliance with the BSA permit limits.

If you have any questions or require additional information, please contact me at (315) 468-1663.

Sincerely,

CH2M HILL OMI, INC.

John W. Formoza
Project Manager

QC Review By: Ryan Belcher

cc.: Mr. Rich Galloway (Honeywell)
Mr. Maurice Moore (NYSDEC)
Mr. Dennis Sutton (City of Buffalo)

Table 1
Alltift Landfill/Ramco Steel Site
First Semi-annual Report for 2010
Discharge Monitoring Report

BSA Permit No. 09-11-BU98	
Sample Date:	October 26, 2010
Sample Location:	Onsite Pump Station to BSA

BSA Permit Parameter	Input Analytical Results			Converted Analytical Results		BSA Daily Max Discharge Limit		Permit Compliance
	Quantity	Reporting Limit	Unit	Quantity	Unit	Quantity	Unit	
pH	7.40	NA	SU	7.40	SU	5.0 - 12.0	SU	Yes
Benzene	ND	50	ug/L	ND	lbs/day	0.068	lbs/day	Yes
Chlorobenzene	88	50	ug/L	0.0058	lbs/day	0.148	lbs/day	Yes
4-Chloroaniline	1.8	4.8	ug/L	0.0001	lbs/day	0.048	lbs/day	Yes
Naphthalene	9.3	4.8	ug/L	0.00061	lbs/day	0.048	lbs/day	Yes
Total Suspended Solids	29.6	4.0	mg/L	29.6	mg/L	250	mg/L	Yes
Total Flow (average)	5.49		gpm	7,904	gpd	57,600	gpd	Yes

Flow Calculations	Meter		
Initial Reading (pump station)	1493500	4/16/2010	
Final Reading (pump station)	3019000	10/26/2010	
Total Days in Period		193	
Total Flow for Period	**1,525,500**	**193**	**gallons**
Average Flow for Period		**5.49**	**gpm**

APPENDIX C

Monthly Water Level Measurements –2010

Alltift Landfill Date: 11/12/2010
Buffalo, New York

Monthly Procedure :
1) Read water levels at all below indicated monitoring points.
2) Read Electric Meter and note reading below.
3) All samples taken at low lift station as follows :
   A) One gallon glass jug filled in 1/4 increments every two hours with composite distributed to 5 various bottles for metals/pH testing.
   B) (8) liter amber glass jars to be sampled directly at Lift Station, filled two at a time with 1 gal composite.
   C) (8) small vials to be sampled directly from Lift Station, filled two at a time with 1 gal composite.
4) Overall site inspection with focus on cap erosion, maintenance items, security, animal burrowing, etc. Report any maintenance issues found.
5) Sump inspection and level sensor inspection/cleaning.

Piezometer Readings

	31-Jan-10	24-Feb-10	16-Apr-10	30-Jun-10	30-Jul-10	13-Aug-10	21-Sep-10	26-Oct-10	12-Nov-10	31-Dec-10		
PZ-1	9.25	8.96	11.01	5.20	8.67	8.05	9.22	6.14	6.15	8.21		
PZ-2	6.88	8.56	10.14	7.45	8.54	8.13	9.98	8.59	8.43	9.31		
PZ-3	5.41	8.96	10.91	10.11	11.90	10.96	10.87	12.78	10.96	10.86		
PZ-4	7.57	7.50	8.55	5.43	6.76	6.63	8.53	6.18	6.23	6.56		
PZ-5	6.15	7.65	9.19	6.40	7.15	6.84	9.48	7.66	7.42	7.55		
PZ-6	5.05	8.00	9.65	8.75	10.52	9.91	9.93	11.39	9.89	10.08		
PZ-7	4.99	6.92	7.77	7.23	8.46	8.51	8.61	9.24	8.46	8.87		
PZ-8	4.41	5.77	6.28	5.68	6.75	6.97	7.4	7.76	7.29	7.54		
PZ-9	5.87	6.37	6.45	6.80	7.53	8.07	8.86	7.90	7.61	8.11		
PZ-10	6.91	8.00	8.05	8.38	9.39	10.20	11.04	9.51	9.16	10.45		
PZ-11	7.51	8.09	7.41	8.07	8.53	8.76	9.24	9.34	9.52	9.66		
PZ-12	8.14	9.04	8.15	8.71	9.35	9.75	10.46	10.47	10.53	10.68		
PZ-13	5.61	6.91	8.92	6.79	7.35	7.87	8.42	8.10	7.95	8.19		
PZ-14	10.29 (1)	10.29 (1)	10.29 (1)	10.29 (1)	10.29 (1)	10.29 (1)	10.29(1)	10.29(1)	10.29(1)	10.29(1)		
PZ-15	8.16	8.26	8.18	8.00	7.93	8.04	8.52	8.44	8.51	8.79		
PZ-16	32.5 (3)	32.5 (3)	32.5 (3)	32.5 (3)	32.5 (3)	32.5 (3)	32.5(3)	32.50(3)	32.50(3)	32.50(2)		

Groundwater Collection Trench Sumps

GWCT-1	11.37	10.77	14.33	7.17	11.75	10.68	9.15	7.00	6.50	10.90		
GWCT-2	5.91	10.90	14.25	15.79	15.82	13.56	13.92	22.13	20.48	18.75		
GWCT-3	5.30	7.81	9.10	8.35	9.80	8.55	9.58	10.59	9.52	9.77		
GWCT-4	4.76	6.08	6.58	6.37	7.40	7.62	7.87	8.01	7.47	8.10		

Relief Trench Sumps

GWR-1	8.33	8.37	8.33	8.38	8.37	8.38	8.35	8.35	8.37	8.39		
GWR-2	8.32	8.33	8.34	8.34	8.34	8.36	8.32	8.33	8.36	8.38		

Lift Station

Lift	11.58	11.43	11.45	11.69	11.95	11.85	11.54	11.87	11.85	11.88		

Offsite Background Wells

MW-1	n/a (2)	n/a (2)	n/a (2)	n/a (2)	n/a (2)	n/a (2)						
MW-2	5.65	7.18	6.25	5.73	6.02	6.23	11.65	10.19	10.29	10.16		

Lift Station Totalizer Reading

Total Flow	85400	445800	1493500	2196100	2292300	2368300	2850800	3019000	3141300	4028000		
Delta												

Electric Meter

Current	41843	42680	44684	46564	47139	47442	48501	49241	49538	50437		
Delta												

Comments : Sump #1 repaired 9/21/10. Mowed 9/24/10

*1 : PZ-14 : Unable to obtain reading at well. Seems as if well casement has collapsed. Tape stops at 10.29 ft.

(2) : MW 1: Removed and paved over.

(3): PZ-16: Tape stops at 32.5 feet and well indicates dry at this level.

APPENDIX D

Quarterly Groundwater Elevations –2010

SUMMARY OF 2010 QUARTERLY GROUNDWATER ELEVATIONS
ALLTIFT LANDFILL SITE
BUFFALO, NEW YORK

			2/24/2010		6/30/2010		8/13/2010		11/12/2010	
MONITORING POINT	**TOTAL DEPTH (FT.)**	**TOP OF CASING ELEVATION**	**DEPTH TO WATER**	**GROUND WATER ELEVATION**	**DEPTH TO WATER**	**GROUND WATER ELEVATION**	**DEPTH TO WATER**	**GROUND WATER ELEVATION**	**DEPTH TO WATER**	**GROUND WATER ELEVATION**
PIEZOMETERS										
PZ-1	16.8	585.01	8.96	576.05	5.20	579.81	8.05	576.96	6.15	578.86
PZ-2	16.9	584.96	8.56	576.40	7.45	577.51	8.13	576.83	8.43	576.53
PZ-3	16.9	585.05	8.96	576.09	10.11	574.94	10.96	574.09	10.96	574.09
PZ-4	16.6	585.79	7.50	578.29	5.43	580.36	6.63	579.16	6.23	579.56
PZ-5	16.9	584.52	7.65	576.87	6.40	578.12	6.84	577.68	7.42	577.10
PZ-6	17.8	584.74	8.00	576.74	8.75	575.99	9.91	574.83	9.89	574.85
PZ-7	20.0	584.99	6.92	578.07	7.23	577.76	8.51	576.48	8.46	576.53
PZ-8	20.7	584.48	5.77	578.71	5.68	578.80	6.97	577.51	7.29	577.19
PZ-9	15.1	586.86	6.37	580.49	6.80	580.06	8.07	578.79	7.61	579.25
PZ-10	11.5	589.41	8.00	581.41	8.38	581.03	10.20	579.21	9.16	580.25
PZ-11	19.5	594.72	8.09	586.63	8.07	586.65	8.76	585.96	9.52	585.20
PZ-12	21.8	592.78	9.04	583.74	8.71	584.07	9.75	583.03	10.53	582.25
PZ-13	22.5	589.04	6.91	582.13	6.79	582.25	7.87	581.17	7.95	581.09
PZ-14	55.0	619.11	*	*	*	*	*	*	*	*
PZ-15	17.0	588.79	8.26	580.53	8.00	580.79	8.04	580.75	8.51	580.28
PZ-16	66.5	629.30	***	**	***	**	***	**	***	**
BACKGROUND WELLS										
MW-1	20.4	585.22	***	***	***	***	***	***	***	***
MW-2	17.0	586.67	7.18	579.49	5.73	580.94	6.23	580.44	10.29	576.38
GROUNDWATER COLLECTION TRENCH SUMPS										
S-1	17.2	585.19	10.77	574.42	7.17	578.02	10.68	574.51	6.50	578.69
S-2	24.8	585.45	10.90	574.55	15.79	569.66	13.56	571.89	20.48	564.97
S-3	17.3	585.25	7.81	577.44	8.35	576.90	8.55	576.70	9.52	575.73
S-4	17.8	585.00	6.08	578.92	6.37	578.63	7.62	577.38	7.47	577.53

*PZ-14 riser pipe damaged; no depth to water level measurement possible. Tape stops at 10.29 feet below top of casing.
**PZ-16: Tape stops at 32.50 feet below top of casing; indicates that the well is dry at this level.
***Background well MW-1 removed or paved over by property owner sometime after July 2006 site visit.

CREATED BY: SCC
CHECKED BY: ESW

APPENDIX E

Quarterly Groundwater Contour Maps –2010

GRID

TIFFT STREET

Stone Road

STATE OF NEW YORK PROPERTY (NYSDOT)

ENTRANCE GATE

CONTROL SHED

SWR-1

GWCT Sump-1 574.42

WEIR

GWCT Sump-2 574.56

RELIEF TRENCH

GROUNDWATER COLLECTION TRENCH

WETLANDS

ALLTIFT LANDFILL SITE

667 TIFFT STREET (PROCESS WELDING & FABRICATIONS) PROPERTY (JD COUSINS)

LANDS NOW OR FORMERLY OF SKYWAY AUTOPARTS, INC. L.9170/P.229

CITY OF BUFFALO L.8769/P.238

SOUTH BUFFALO RAILWAY/ BUFFALO PITTSBURG RAILROAD, INC.

GWCT Sump-3 577.44

GWCT Sump-4 578.92

LIFT STATION

FORCE MAIN CONNECTED TO BSA

AREA NOT TO BE MOWED

BUZZARD CORP.

SOUTH BUFFALO RAILWAY, CO. L.4019/P.541

MH

Hopkins Street

RAMCO STEEL SITE

CITY OF BUFFALO L.9580/P.710

CSX/ ADRIAN REALTY CO. L.1436/P.446

NIAGARA

WETLANDS

PZ-15 582.13

PZ-15 580.53

PZ-12 583.74

PZ-11 586.63

PZ-10 581.41

PZ-16

PZ-1 576.05

PZ-2 576.40

PZ-5 576.87

PZ-3 576.09

PZ-6 576.74

PZ-7 578.07

PZ-8 578.11

PZ-9 580.43

MW-1

MW-2 579.49

GV-1

GV-2

GV-3

GWR-2

576 577 578 579 580 581 582 583

LEGEND

- MW-1 MONITORING WELL
- PZ-16 PIEZOMETER
- Sump-3 GROUNDWATER COLLECTION SUMP
- GV-2 GAS VENT
- SURFACE DRAINAGE FLOW
- PROPERTY LINE
- CHAINLINK FENCE
- RAILROAD TRACKS
- 578 POTENTIOMETRIC SURFACE CONTOUR (FEET) (DASHED WHERE INFERRED)
- 574.11 GROUNDWATER ELEVATION IN FEET MEASURED FEBRUARY 2010

250 0 250

SCALE: 1"=250'

NOTE:
BASEMAP PROVIDED BY PARSONS, MARCH 2007.

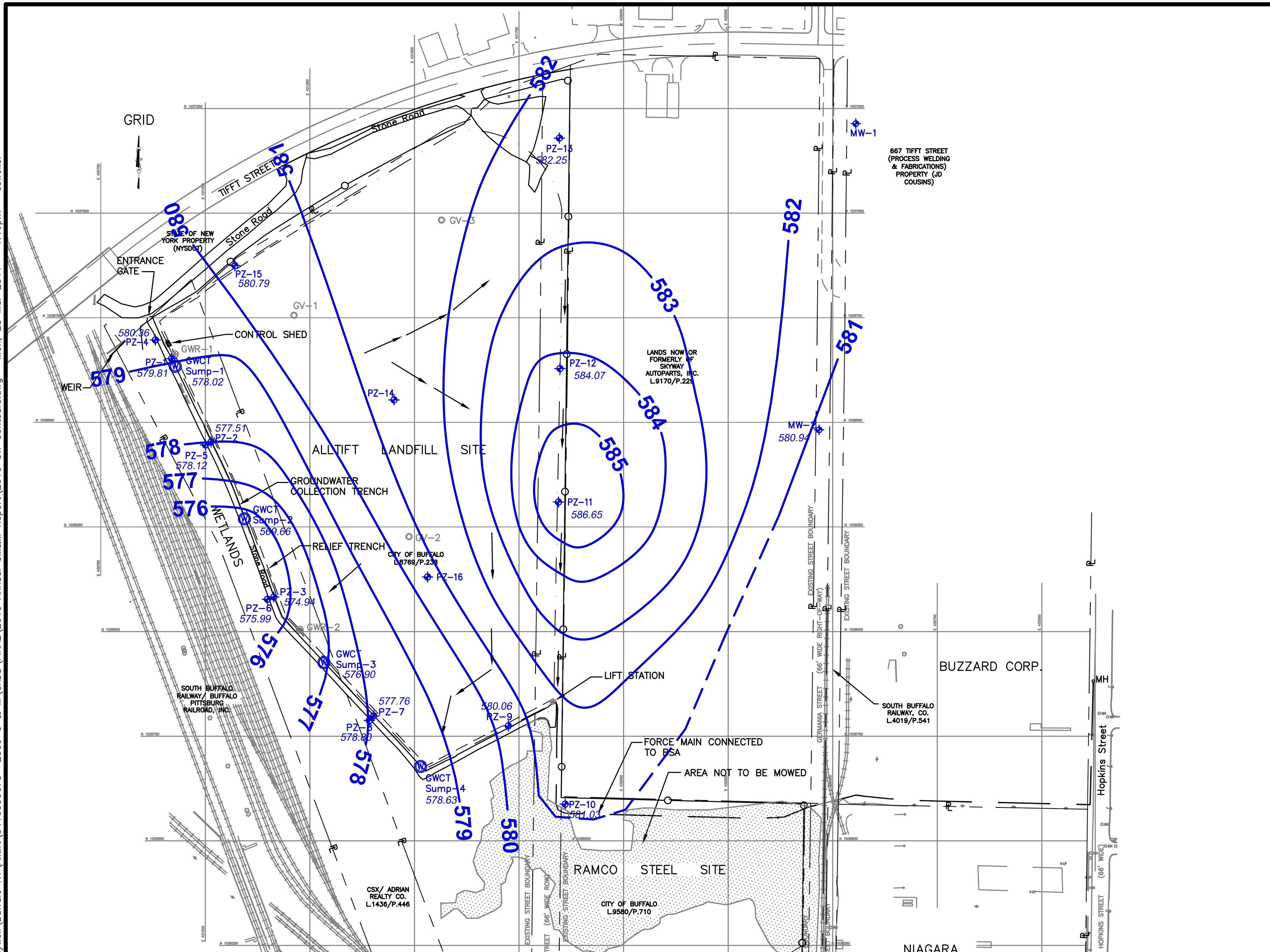
Prepared/Date: ESW 02-11-2011
Checked/Date:

Honeywell Alltift Landfill Site
Buffalo, New York

MACTEC

Groundwater Contours
February 24, 2010
Project 3410-09-675
Figure 1

P:\PROJECTS\Honeywell\Buffalo NY\Alltift\3410090675 2009 O & M\CADD\FINAL\2010 Annual OM&M Report\2010 GW Contours.dwg Mon, 28 Mar 2011 - 1:46pm esweiler



LEGEND

MW-1	MONITORING WELL
PZ-16	PIEZOMETER
Sump-3	GROUNDWATER COLLECTION SUMP
GV-2	GAS VENT
	SURFACE DRAINAGE FLOW
	PROPERTY LINE
	CHAINLINK FENCE
	RAILROAD TRACKS
578	POTENTIOMETRIC SURFACE CONTOUR (FEET) (DASHED WHERE INFERRED)
574.11	GROUNDWATER ELEVATION IN FEET MEASURED JUNE 2010

250 0 250

SCALE: 1"=250'

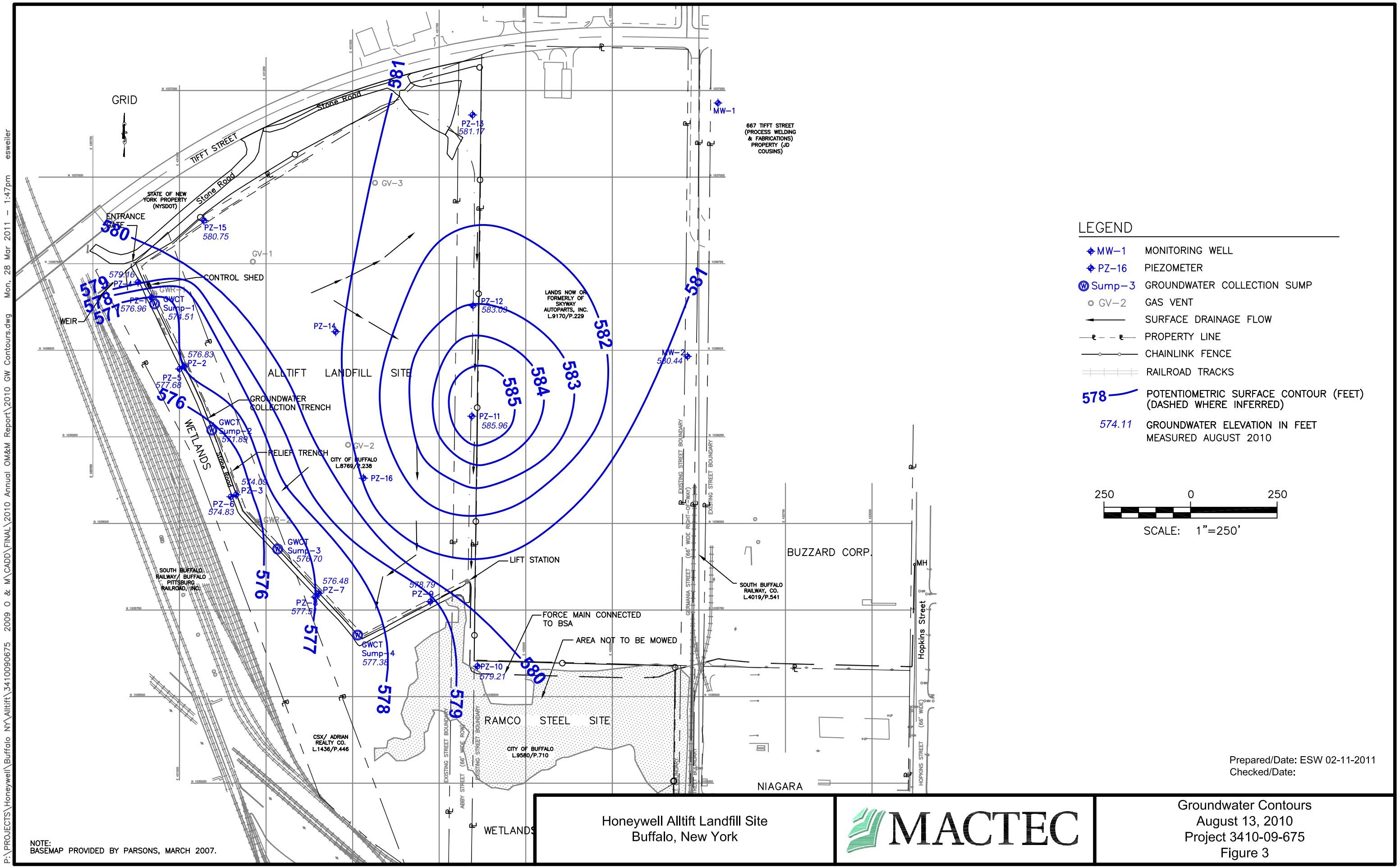
Prepared/Date: ESW 02-11-2011
Checked/Date:

NOTE:
BASEMAP PROVIDED BY PARSONS, MARCH 2007.

Honeywell Alltift Landfill Site
Buffalo, New York

MACTEC

Groundwater Contours
June 30, 2010
Project 3410-09-675
Figure 2



LEGEND

- MW–1 MONITORING WELL
- PZ–16 PIEZOMETER
- Sump–3 GROUNDWATER COLLECTION SUMP
- GV–2 GAS VENT
- SURFACE DRAINAGE FLOW
- PROPERTY LINE
- CHAINLINK FENCE
- RAILROAD TRACKS
- 578 POTENTIOMETRIC SURFACE CONTOUR (FEET) (DASHED WHERE INFERRED)
- 574.11 GROUNDWATER ELEVATION IN FEET MEASURED AUGUST 2010

250 0 250

SCALE: 1"=250'

NOTE:
BASEMAP PROVIDED BY PARSONS, MARCH 2007.

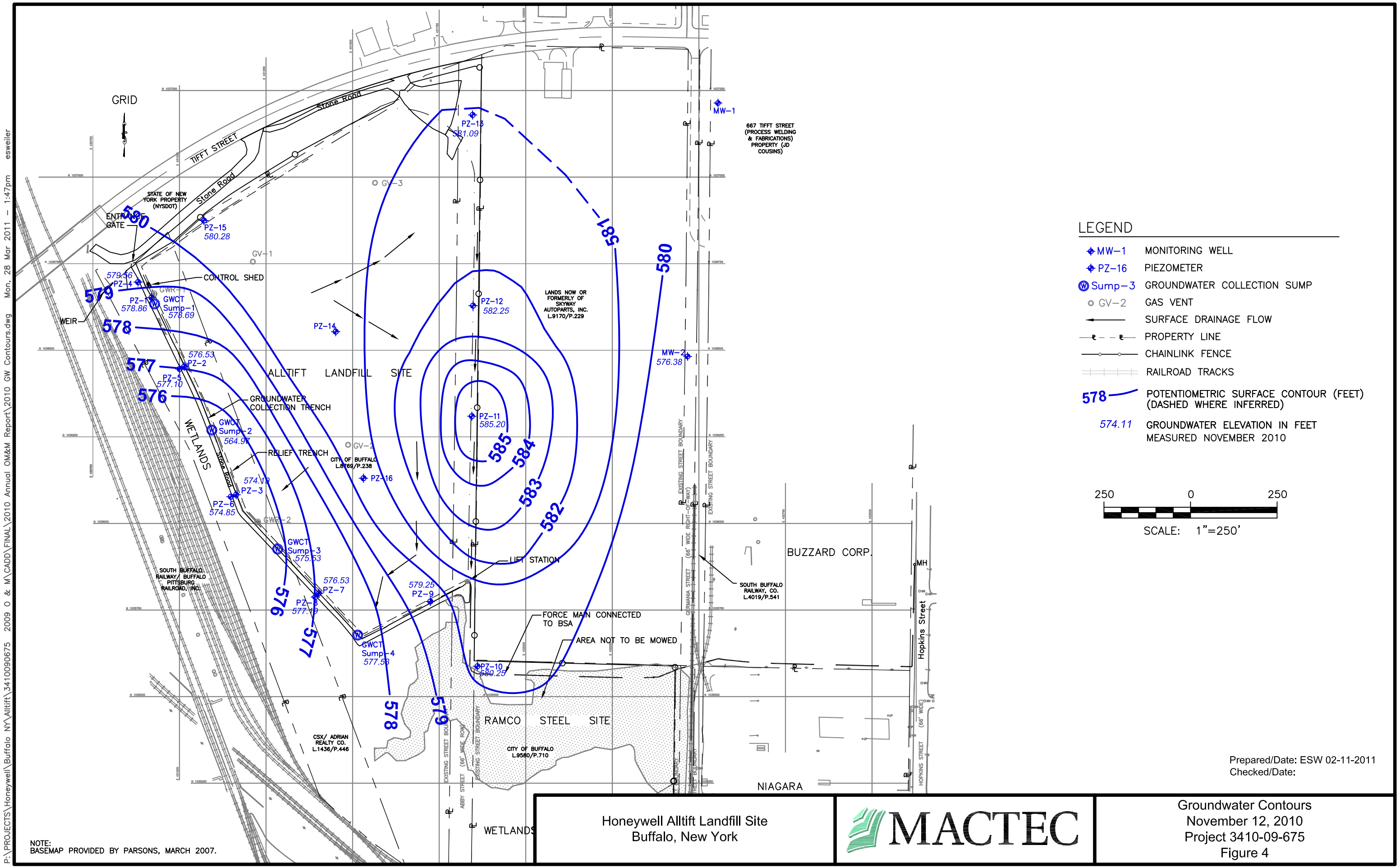
Prepared/Date: ESW 02-11-2011
Checked/Date:

Honeywell Alltift Landfill Site
Buffalo, New York

MACTEC

Groundwater Contours
August 13, 2010
Project 3410-09-675
Figure 3

P:\PROJECTS\Honeywell\Buffalo NY\Alltift\3410090675 2009 O & M\CADD\FINAL\2010 Annual OM&M Report\2010 GW Contours.dwg Mon, 28 Mar 2011 - 1:47pm esweiler



LEGEND

- MW–1 MONITORING WELL
- PZ–16 PIEZOMETER
- Sump–3 GROUNDWATER COLLECTION SUMP
- GV–2 GAS VENT
- SURFACE DRAINAGE FLOW
- PROPERTY LINE
- CHAINLINK FENCE
- RAILROAD TRACKS
- 578 POTENTIOMETRIC SURFACE CONTOUR (FEET) (DASHED WHERE INFERRED)
- 574.11 GROUNDWATER ELEVATION IN FEET MEASURED NOVEMBER 2010

250 0 250

SCALE: 1”=250’

Prepared/Date: ESW 02-11-2011
Checked/Date:

NOTE:
BASEMAP PROVIDED BY PARSONS, MARCH 2007.

Honeywell Alltift Landfill Site
Buffalo, New York

MACTEC

Groundwater Contours
November 12, 2010
Project 3410-09-675
Figure 4

P:\PROJECTS\Honeywell\Buffalo NY\Alltift\3410090675 2009 O & M\CADD\FINAL\2010 Annual OM&M Report\2010 GW Contours.dwg Mon, 28 Mar 2011 - 1:47pm esweiler

APPENDIX F

Groundwater Analytical Results – November 2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Analytical Report

SDG Number: RTJ1661

Project Description(s)

Work Order RTJ1661 - Honeywell - Alltift GW monitoring
Work Order RTJ1724 - Honeywell - Alltift GW monitoring
Work Order RTJ2142 - Honeywell - Alltift GW monitoring

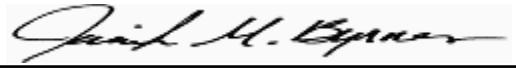
For:

John Mojka

Honeywell - Morristown, NJ

101 Columbia Road

Morristown, NJ 07962



Jennifer Byrnes For Tony Bogolin

Project Manager

jennifer.byrnes@testamericainc.com

Tuesday, November 9, 2010

Honeywell - Morristown, NJ
101 Columbia Road
Morristown, NJ 07962

SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

Received: 10/20/10-10/28/10
Reported: 11/09/10 15:48

TestAmerica Buffalo
Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Honeywell - Morristown, NJ
101 Columbia Road
Morristown, NJ 07962

SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

Received: 10/20/10-10/28/10
Reported: 11/09/10 15:48

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 4 pages, are included and are an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Honeywell - Morristown, NJ
101 Columbia Road
Morristown, NJ 07962

SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

Received: 10/20/10-10/28/10
Reported: 11/09/10 15:48

DATA QUALIFIERS AND DEFINITIONS

C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected above the laboratory PQL, data not impacted.
C8	Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
D08	Dilution required due to high concentration of target analyte(s)
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
MHA	Due to high levels of analyte in the sample, the MS and /or MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
QSU	Sulfur (EPA 3660) clean-up performed on extract.
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

Honeywell - Morristown, NJ
101 Columbia Road
Morristown, NJ 07962

SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

Received: 10/20/10-10/28/10
Reported: 11/09/10 15:48

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: FDUP-102810 (RTJ2142-04 - Water)						**Sampled: 10/28/10**			**Recvd: 10/28/10 18:40**	
Volatile Organic Compounds by EPA 8260B										
Benzene	**0.50**	J	1.0	0.41	ug/L	1.00	11/06/10 04:49	CDC	10K0583	8260B
Chlorobenzene	**30**		1.0	0.75	ug/L	1.00	11/06/10 04:49	CDC	10K0583	8260B
Semivolatile Organics by GC/MS										
4-Chloroaniline	**0.58**	J	4.7	0.56	ug/L	1.00	11/04/10 11:46	MKP	10K0170	8270C
Total Metals by SW 846 Series Methods										
Chromium	**0.0040**		0.0040	0.0009	mg/L	1.00	10/30/10 15:39	AMH	10J2546	6010B
Iron	**0.309**		0.050	0.019	mg/L	1.00	10/30/10 15:39	AMH	10J2546	6010B
Lead	**0.0038**		0.0050	0.0030	mg/L	1.00	10/30/10 15:39	AMH	10J2546	6010B
Manganese	**7.35**		0.0030	0.0002	mg/L	1.00	10/30/10 15:39	AMH	10J2546	6010B
Antimony	**4.7**		1.0	0.2	ug/L	1.00	11/02/10 20:45	ESW	10J2550	6020
Arsenic	**5.1**		1.0	0.08	ug/L	1.00	11/02/10 20:45	ESW	10J2550	6020
Client ID: MW-2-102110 (RTJ1724-01 - Water)						**Sampled: 10/21/10 09:45**			**Recvd: 10/21/10 17:10**	
Total Metals by SW 846 Series Methods										
Chromium	**0.0019**		0.0040	0.0009	mg/L	1.00	10/25/10 22:03	AMH	10J1987	6010B
Iron	**0.086**		0.050	0.019	mg/L	1.00	10/25/10 22:03	AMH	10J1987	6010B
Manganese	**0.0281**		0.0030	0.0002	mg/L	1.00	10/25/10 22:03	AMH	10J1987	6010B
Antimony	**0.3**	J	1.0	0.2	ug/L	1.00	10/27/10 02:01	ESW	10J1942	6020
Arsenic	**1.1**		1.0	0.08	ug/L	1.00	10/27/10 02:01	ESW	10J1942	6020
Client ID: Sump 1-102010 (RTJ1661-03 - Water)						**Sampled: 10/20/10 13:25**			**Recvd: 10/20/10 18:00**	
Volatile Organic Compounds by EPA 8260B										
Chlorobenzene	**8.6**		1.0	0.75	ug/L	1.00	10/30/10 15:43	NMD	10J2622	8260B
Client ID: Sump 2-102010 (RTJ1661-04 - Water)						**Sampled: 10/20/10 14:10**			**Recvd: 10/20/10 18:00**	
Volatile Organic Compounds by EPA 8260B										
1,4-Dichlorobenzene	**1.2**		1.0	0.84	ug/L	1.00	10/30/10 16:07	NMD	10J2622	8260B
Benzene	**8.7**		1.0	0.41	ug/L	1.00	10/30/10 16:07	NMD	10J2622	8260B
Client ID: Sump 2-102010 (RTJ1661-04RE1 - Water)						**Sampled: 10/20/10 14:10**			**Recvd: 10/20/10 18:00**	
Volatile Organic Compounds by EPA 8260B										
Chlorobenzene	**160**	D08	2.0	1.5	ug/L	2.00	11/01/10 15:22	LH	10K0025	8260B
Client ID: Sump 4-102810 (RTJ2142-01 - Water)						**Sampled: 10/28/10 07:55**			**Recvd: 10/28/10 18:40**	
Volatile Organic Compounds by EPA 8260B										
Chlorobenzene	**28**		1.0	0.75	ug/L	1.00	11/06/10 03:34	CDC	10K0583	8260B
Semivolatile Organics by GC/MS										
4-Chloroaniline	**0.69**	J	4.7	0.56	ug/L	1.00	11/04/10 11:22	MKP	10K0170	8270C
Total Metals by SW 846 Series Methods										
Chromium	**0.0049**		0.0040	0.0009	mg/L	1.00	10/30/10 15:28	AMH	10J2546	6010B
Iron	**0.297**		0.050	0.019	mg/L	1.00	10/30/10 15:28	AMH	10J2546	6010B
Manganese	**7.50**		0.0030	0.0002	mg/L	1.00	10/30/10 15:28	AMH	10J2546	6010B

Honeywell - Morristown, NJ
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SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

Received: 10/20/10-10/28/10
Reported: 11/09/10 15:48

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: Sump 4-102810 (RTJ2142-01 - Water) - cont.						**Sampled: 10/28/10 07:55**		**Recvd: 10/28/10 18:40**		
Total Metals by SW 846 Series Methods - cont.										
Antimony	**4.4**		1.0	0.2	ug/L	1.00	11/02/10 20:21	ESW	10J2550	6020
Arsenic	**5.2**		1.0	0.08	ug/L	1.00	11/02/10 20:21	ESW	10J2550	6020
Client ID: Sump Comp (RTJ1661-09 - Water)						**Sampled: 10/20/10 15:00**		**Recvd: 10/20/10 18:00**		
Semivolatile Organics by GC/MS										
4-Chloroaniline	**2.0**	J	5.1	0.60	ug/L	1.00	10/27/10 02:06	JLG	10J2097	8270C
Naphthalene	**0.98**	J	5.1	0.78	ug/L	1.00	10/27/10 02:06	JLG	10J2097	8270C
Total Metals by SW 846 Series Methods										
Chromium	**0.0293**		0.0040	0.0009	mg/L	1.00	10/25/10 22:01	AMH	10J1987	6010B
Iron	**4.22**		0.050	0.019	mg/L	1.00	10/25/10 22:01	AMH	10J1987	6010B
Lead	**0.0032**		0.0050	0.0030	mg/L	1.00	10/25/10 22:01	AMH	10J1987	6010B
Manganese	**3.94**		0.0030	0.0002	mg/L	1.00	10/25/10 22:01	AMH	10J1987	6010B
Antimony	**1.0**		1.0	0.2	ug/L	1.00	10/26/10 22:20	ESW	10J1990	6020
Arsenic	**11.3**		1.0	0.08	ug/L	1.00	10/26/10 22:20	ESW	10J1990	6020

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Reported: 11/09/10 15:48

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
FDUP-102810	RTJ2142-04	Water	10/28/10	10/28/10 18:40	
MW-2-102010	RTJ1661-02	Water	10/20/10 12:36	10/20/10 18:00	
MW-2-102110	RTJ1724-01	Water	10/21/10 09:45	10/21/10 17:10	
Sump 1-102010	RTJ1661-03	Water	10/20/10 13:25	10/20/10 18:00	
Sump 2-102010	RTJ1661-04	Water	10/20/10 14:10	10/20/10 18:00	
Sump 3-102010	RTJ1661-05	Water	10/20/10 14:30	10/20/10 18:00	
Sump 4-102810	RTJ2142-01	Water	10/28/10 07:55	10/28/10 18:40	
Sump Comp	RTJ1661-09	Water	10/20/10 15:00	10/20/10 18:00	
TRIP BLANK	RTJ1661-10	Water	10/20/10	10/20/10 18:00	
TRIP BLANK	RTJ2142-05	Water	10/28/10	10/28/10 18:40	

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Analytical Report

Client ID: FDUP-102810 (RTJ2142-04 - Water) **Sampled: 10/28/10** **Recvd: 10/28/10 18:40**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B										
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/06/10 04:49	CDC	10K0583	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/06/10 04:49	CDC	10K0583	8260B
Benzene	**0.50**	J	1.0	0.41	ug/L	1.00	11/06/10 04:49	CDC	10K0583	8260B
Chlorobenzene	**30**		1.0	0.75	ug/L	1.00	11/06/10 04:49	CDC	10K0583	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/06/10 04:49	CDC	10K0583	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/06/10 04:49	CDC	10K0583	8260B
1,2-Dichloroethane-d4	*88 %*		*Surr Limits: (66-137%)*				*11/06/10 04:49*	*CDC*	*10K0583*	*8260B*
4-Bromofluorobenzene	*109 %*		*Surr Limits: (73-120%)*				*11/06/10 04:49*	*CDC*	*10K0583*	*8260B*
Toluene-d8	*99 %*		*Surr Limits: (71-126%)*				*11/06/10 04:49*	*CDC*	*10K0583*	*8260B*
Semivolatile Organics by GC/MS										
4-Chloroaniline	**0.58**	J	4.7	0.56	ug/L	1.00	11/04/10 11:46	MKP	10K0170	8270C
Naphthalene	ND		4.7	0.72	ug/L	1.00	11/04/10 11:46	MKP	10K0170	8270C
2,4,6-Tribromophenol	*130 %*		*Surr Limits: (52-132%)*				*11/04/10 11:46*	*MKP*	*10K0170*	*8270C*
2-Fluorobiphenyl	*91 %*		*Surr Limits: (48-120%)*				*11/04/10 11:46*	*MKP*	*10K0170*	*8270C*
2-Fluorophenol	*44 %*		*Surr Limits: (20-120%)*				*11/04/10 11:46*	*MKP*	*10K0170*	*8270C*
Nitrobenzene-d5	*88 %*		*Surr Limits: (46-120%)*				*11/04/10 11:46*	*MKP*	*10K0170*	*8270C*
Phenol-d5	*32 %*		*Surr Limits: (16-120%)*				*11/04/10 11:46*	*MKP*	*10K0170*	*8270C*
p-Terphenyl-d14	*60 %*		*Surr Limits: (24-136%)*				*11/04/10 11:46*	*MKP*	*10K0170*	*8270C*
Organochlorine Pesticides and PCBs by EPA Method 608										
Aroclor 1016	ND	QSU	0.057	0.036	ug/L	1.00	11/07/10 13:39	tchro	10K0168	608
Aroclor 1221	ND	QSU	0.057	0.038	ug/L	1.00	11/07/10 13:39	tchro	10K0168	608
Aroclor 1232	ND	QSU	0.057	0.047	ug/L	1.00	11/07/10 13:39	tchro	10K0168	608
Aroclor 1242	ND	QSU	0.057	0.042	ug/L	1.00	11/07/10 13:39	tchro	10K0168	608
Aroclor 1248	ND	QSU	0.057	0.034	ug/L	1.00	11/07/10 13:39	tchro	10K0168	608
Aroclor 1254	ND	QSU	0.057	0.014	ug/L	1.00	11/07/10 13:39	tchro	10K0168	608
Aroclor 1260	ND	QSU	0.057	0.0098	ug/L	1.00	11/07/10 13:39	tchro	10K0168	608
Decachlorobiphenyl	*71 %*	*QSU*	*Surr Limits: (26-145%)*				*11/07/10 13:39*	*tchro*	*10K0168*	*608*
Tetrachloro-m-xylene	*78 %*	*QSU*	*Surr Limits: (25-152%)*				*11/07/10 13:39*	*tchro*	*10K0168*	*608*
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND		0.047	0.0087	ug/L	1.00	11/01/10 20:21	DGB	10K0013	8081A
4,4'-DDE	ND		0.047	0.011	ug/L	1.00	11/01/10 20:21	DGB	10K0013	8081A
Decachlorobiphenyl	*79 %*		*Surr Limits: (15-139%)*				*11/01/10 20:21*	*DGB*	*10K0013*	*8081A*
Tetrachloro-m-xylene	*79 %*		*Surr Limits: (30-139%)*				*11/01/10 20:21*	*DGB*	*10K0013*	*8081A*
Total Metals by SW 846 Series Methods										
Chromium	**0.0040**		0.0040	0.0009	mg/L	1.00	10/30/10 15:39	AMH	10J2546	6010B
Iron	**0.309**		0.050	0.019	mg/L	1.00	10/30/10 15:39	AMH	10J2546	6010B
Lead	**0.0038**		0.0050	0.0030	mg/L	1.00	10/30/10 15:39	AMH	10J2546	6010B
Manganese	**7.35**		0.0030	0.0002	mg/L	1.00	10/30/10 15:39	AMH	10J2546	6010B
Antimony	**4.7**		1.0	0.2	ug/L	1.00	11/02/10 20:45	ESW	10J2550	6020
Arsenic	**5.1**		1.0	0.08	ug/L	1.00	11/02/10 20:45	ESW	10J2550	6020
Cadmium	ND		0.5	0.02	ug/L	1.00	11/02/10 20:45	ESW	10J2550	6020
Mercury	ND		0.0002	0.0001	mg/L	1.00	11/02/10 13:20	JRK	10K0061	7470A

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Reported: 11/09/10 15:48

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-2-102010 (RTJ1661-02 - Water)						**Sampled: 10/20/10 12:36**		**Recvd: 10/20/10 18:00**		
Volatile Organic Compounds by EPA 8260B										
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	10/30/10 15:18	NMD	10J2622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	10/30/10 15:18	NMD	10J2622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	10/30/10 15:18	NMD	10J2622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	10/30/10 15:18	NMD	10J2622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	10/30/10 15:18	NMD	10J2622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	10/30/10 15:18	NMD	10J2622	8260B
1,2-Dichloroethane-d4	*89 %*		*Surr Limits: (66-137%)*				*10/30/10 15:18*	*NMD*	*10J2622*	*8260B*
4-Bromofluorobenzene	*111 %*		*Surr Limits: (73-120%)*				*10/30/10 15:18*	*NMD*	*10J2622*	*8260B*
Toluene-d8	*95 %*		*Surr Limits: (71-126%)*				*10/30/10 15:18*	*NMD*	*10J2622*	*8260B*

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: MW-2-102110 (RTJ1724-01 - Water)						**Sampled: 10/21/10 09:45**		**Recvd: 10/21/10 17:10**		
Semivolatile Organics by GC/MS										
4-Chloroaniline	ND		5.1	0.61	ug/L	1.00	10/27/10 02:52	JLG	10J2097	8270C
Naphthalene	ND		5.1	0.78	ug/L	1.00	10/27/10 02:52	JLG	10J2097	8270C
2,4,6-Tribromophenol	*117 %*		*Surr Limits: (52-132%)*				*10/27/10 02:52*	*JLG*	*10J2097*	*8270C*
2-Fluorobiphenyl	*78 %*		*Surr Limits: (48-120%)*				*10/27/10 02:52*	*JLG*	*10J2097*	*8270C*
2-Fluorophenol	*47 %*		*Surr Limits: (20-120%)*				*10/27/10 02:52*	*JLG*	*10J2097*	*8270C*
Nitrobenzene-d5	*83 %*		*Surr Limits: (46-120%)*				*10/27/10 02:52*	*JLG*	*10J2097*	*8270C*
Phenol-d5	*33 %*		*Surr Limits: (16-120%)*				*10/27/10 02:52*	*JLG*	*10J2097*	*8270C*
p-Terphenyl-d14	*83 %*		*Surr Limits: (24-136%)*				*10/27/10 02:52*	*JLG*	*10J2097*	*8270C*
Organochlorine Pesticides and PCBs by EPA Method 608										
Aroclor 1016	ND	QSU	0.060	0.038	ug/L	1.00	10/27/10 15:59	JxM	10J2098	608
Aroclor 1221	ND	QSU	0.060	0.040	ug/L	1.00	10/27/10 15:59	JxM	10J2098	608
Aroclor 1232	ND	QSU	0.060	0.049	ug/L	1.00	10/27/10 15:59	JxM	10J2098	608
Aroclor 1242	ND	QSU	0.060	0.044	ug/L	1.00	10/27/10 15:59	JxM	10J2098	608
Aroclor 1248	ND	QSU	0.060	0.036	ug/L	1.00	10/27/10 15:59	JxM	10J2098	608
Aroclor 1254	ND	QSU	0.060	0.015	ug/L	1.00	10/27/10 15:59	JxM	10J2098	608
Aroclor 1260	ND	QSU	0.060	0.010	ug/L	1.00	10/27/10 15:59	JxM	10J2098	608
Decachlorobiphenyl	*105 %*	*QSU*	*Surr Limits: (26-145%)*				*10/27/10 15:59*	*JxM*	*10J2098*	*608*
Tetrachloro-m-xylene	*78 %*	*QSU*	*Surr Limits: (25-152%)*				*10/27/10 15:59*	*JxM*	*10J2098*	*608*
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND		0.050	0.0092	ug/L	1.00	10/31/10 12:52	LMW	10J2210	8081A
4,4'-DDE	ND		0.050	0.012	ug/L	1.00	10/31/10 12:52	LMW	10J2210	8081A
Decachlorobiphenyl	*114 %*		*Surr Limits: (15-139%)*				*10/31/10 12:52*	*LMW*	*10J2210*	*8081A*
Tetrachloro-m-xylene	*82 %*		*Surr Limits: (30-139%)*				*10/31/10 12:52*	*LMW*	*10J2210*	*8081A*
Total Metals by SW 846 Series Methods										
Chromium	**0.0019**		0.0040	0.0009	mg/L	1.00	10/25/10 22:03	AMH	10J1987	6010B
Iron	**0.086**		0.050	0.019	mg/L	1.00	10/25/10 22:03	AMH	10J1987	6010B
Lead	ND		0.0050	0.0030	mg/L	1.00	10/25/10 22:03	AMH	10J1987	6010B
Manganese	**0.0281**		0.0030	0.0002	mg/L	1.00	10/25/10 22:03	AMH	10J1987	6010B
Antimony	**0.3**	J	1.0	0.2	ug/L	1.00	10/27/10 02:01	ESW	10J1942	6020
Arsenic	**1.1**		1.0	0.08	ug/L	1.00	10/27/10 02:01	ESW	10J1942	6020
Cadmium	ND		0.5	0.02	ug/L	1.00	10/27/10 02:01	ESW	10J1942	6020
Mercury	ND		0.0002	0.0001	mg/L	1.00	10/25/10 15:20	JRK	10J1993	7470A

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: Sump 1-102010 (RTJ1661-03 - Water)						**Sampled: 10/20/10 13:25**		**Recvd: 10/20/10 18:00**		
Volatile Organic Compounds by EPA 8260B										
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	10/30/10 15:43	NMD	10J2622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	10/30/10 15:43	NMD	10J2622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	10/30/10 15:43	NMD	10J2622	8260B
Chlorobenzene	**8.6**		1.0	0.75	ug/L	1.00	10/30/10 15:43	NMD	10J2622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	10/30/10 15:43	NMD	10J2622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	10/30/10 15:43	NMD	10J2622	8260B
1,2-Dichloroethane-d4	*93 %*		*Surr Limits: (66-137%)*				*10/30/10 15:43*	*NMD*	*10J2622*	*8260B*
4-Bromofluorobenzene	*111 %*		*Surr Limits: (73-120%)*				*10/30/10 15:43*	*NMD*	*10J2622*	*8260B*
Toluene-d8	*95 %*		*Surr Limits: (71-126%)*				*10/30/10 15:43*	*NMD*	*10J2622*	*8260B*

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: Sump 2-102010 (RTJ1661-04 - Water)						**Sampled: 10/20/10 14:10**		**Recvd: 10/20/10 18:00**		
Volatile Organic Compounds by EPA 8260B										
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	10/30/10 16:07	NMD	10J2622	8260B
1,4-Dichlorobenzene	**1.2**		1.0	0.84	ug/L	1.00	10/30/10 16:07	NMD	10J2622	8260B
Benzene	**8.7**		1.0	0.41	ug/L	1.00	10/30/10 16:07	NMD	10J2622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	10/30/10 16:07	NMD	10J2622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	10/30/10 16:07	NMD	10J2622	8260B
1,2-Dichloroethane-d4	*91 %*		*Surr Limits: (66-137%)*				*10/30/10 16:07*	*NMD*	*10J2622*	*8260B*
4-Bromofluorobenzene	*110 %*		*Surr Limits: (73-120%)*				*10/30/10 16:07*	*NMD*	*10J2622*	*8260B*
Toluene-d8	*95 %*		*Surr Limits: (71-126%)*				*10/30/10 16:07*	*NMD*	*10J2622*	*8260B*

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: Sump 2-102010 (RTJ1661-04RE1 - Water)						**Sampled: 10/20/10 14:10**		**Recvd: 10/20/10 18:00**		
Volatile Organic Compounds by EPA 8260B										
Chlorobenzene	**160**	D08	2.0	1.5	ug/L	2.00	11/01/10 15:22	LH	10K0025	8260B
1,2-Dichloroethane-d4	*91 %*	*D08*	*Surr Limits: (66-137%)*				*11/01/10 15:22*	*LH*	*10K0025*	*8260B*
4-Bromofluorobenzene	*109 %*	*D08*	*Surr Limits: (73-120%)*				*11/01/10 15:22*	*LH*	*10K0025*	*8260B*
Toluene-d8	*93 %*	*D08*	*Surr Limits: (71-126%)*				*11/01/10 15:22*	*LH*	*10K0025*	*8260B*

Honeywell - Morristown, NJ
101 Columbia Road
Morristown, NJ 07962

SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

Received: 10/20/10-10/28/10
Reported: 11/09/10 15:48

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: Sump 3-102010 (RTJ1661-05 - Water)						**Sampled: 10/20/10 14:30**		**Recvd: 10/20/10 18:00**		
Volatile Organic Compounds by EPA 8260B										
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	10/30/10 16:33	NMD	10J2622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	10/30/10 16:33	NMD	10J2622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	10/30/10 16:33	NMD	10J2622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	10/30/10 16:33	NMD	10J2622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	10/30/10 16:33	NMD	10J2622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	10/30/10 16:33	NMD	10J2622	8260B
1,2-Dichloroethane-d4	*90 %*		*Surr Limits: (66-137%)*				*10/30/10 16:33*	*NMD*	*10J2622*	*8260B*
4-Bromofluorobenzene	*109 %*		*Surr Limits: (73-120%)*				*10/30/10 16:33*	*NMD*	*10J2622*	*8260B*
Toluene-d8	*93 %*		*Surr Limits: (71-126%)*				*10/30/10 16:33*	*NMD*	*10J2622*	*8260B*

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Reported: 11/09/10 15:48

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: Sump 4-102810 (RTJ2142-01 - Water)						**Sampled: 10/28/10 07:55**		**Recvd: 10/28/10 18:40**		
Volatile Organic Compounds by EPA 8260B										
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/06/10 03:34	CDC	10K0583	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/06/10 03:34	CDC	10K0583	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/06/10 03:34	CDC	10K0583	8260B
Chlorobenzene	**28**		1.0	0.75	ug/L	1.00	11/06/10 03:34	CDC	10K0583	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/06/10 03:34	CDC	10K0583	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/06/10 03:34	CDC	10K0583	8260B
1,2-Dichloroethane-d4	*85 %*		*Surr Limits: (66-137%)*				*11/06/10 03:34*	*CDC*	*10K0583*	*8260B*
4-Bromofluorobenzene	*103 %*		*Surr Limits: (73-120%)*				*11/06/10 03:34*	*CDC*	*10K0583*	*8260B*
Toluene-d8	*95 %*		*Surr Limits: (71-126%)*				*11/06/10 03:34*	*CDC*	*10K0583*	*8260B*
Semivolatile Organics by GC/MS										
4-Chloroaniline	**0.69**	J	4.7	0.56	ug/L	1.00	11/04/10 11:22	MKP	10K0170	8270C
Naphthalene	ND		4.7	0.72	ug/L	1.00	11/04/10 11:22	MKP	10K0170	8270C
2,4,6-Tribromophenol	*131 %*		*Surr Limits: (52-132%)*				*11/04/10 11:22*	*MKP*	*10K0170*	*8270C*
2-Fluorobiphenyl	*95 %*		*Surr Limits: (48-120%)*				*11/04/10 11:22*	*MKP*	*10K0170*	*8270C*
2-Fluorophenol	*47 %*		*Surr Limits: (20-120%)*				*11/04/10 11:22*	*MKP*	*10K0170*	*8270C*
Nitrobenzene-d5	*91 %*		*Surr Limits: (46-120%)*				*11/04/10 11:22*	*MKP*	*10K0170*	*8270C*
Phenol-d5	*35 %*		*Surr Limits: (16-120%)*				*11/04/10 11:22*	*MKP*	*10K0170*	*8270C*
p-Terphenyl-d14	*56 %*		*Surr Limits: (24-136%)*				*11/04/10 11:22*	*MKP*	*10K0170*	*8270C*
Organochlorine Pesticides and PCBs by EPA Method 608										
Aroclor 1016	ND	QSU	0.057	0.036	ug/L	1.00	11/07/10 13:23	tchro	10K0168	608
Aroclor 1221	ND	QSU	0.057	0.038	ug/L	1.00	11/07/10 13:23	tchro	10K0168	608
Aroclor 1232	ND	QSU	0.057	0.047	ug/L	1.00	11/07/10 13:23	tchro	10K0168	608
Aroclor 1242	ND	QSU	0.057	0.042	ug/L	1.00	11/07/10 13:23	tchro	10K0168	608
Aroclor 1248	ND	QSU	0.057	0.034	ug/L	1.00	11/07/10 13:23	tchro	10K0168	608
Aroclor 1254	ND	QSU	0.057	0.014	ug/L	1.00	11/07/10 13:23	tchro	10K0168	608
Aroclor 1260	ND	QSU	0.057	0.0098	ug/L	1.00	11/07/10 13:23	tchro	10K0168	608
Decachlorobiphenyl	*70 %*	*QSU*	*Surr Limits: (26-145%)*				*11/07/10 13:23*	*tchro*	*10K0168*	*608*
Tetrachloro-m-xylene	*74 %*	*QSU*	*Surr Limits: (25-152%)*				*11/07/10 13:23*	*tchro*	*10K0168*	*608*
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND		0.047	0.0087	ug/L	1.00	11/01/10 19:40	DGB	10K0013	8081A
4,4'-DDE	ND		0.047	0.011	ug/L	1.00	11/01/10 19:40	DGB	10K0013	8081A
Decachlorobiphenyl	*110 %*		*Surr Limits: (15-139%)*				*11/01/10 19:40*	*DGB*	*10K0013*	*8081A*
Tetrachloro-m-xylene	*82 %*		*Surr Limits: (30-139%)*				*11/01/10 19:40*	*DGB*	*10K0013*	*8081A*
Total Metals by SW 846 Series Methods										
Chromium	**0.0049**		0.0040	0.0009	mg/L	1.00	10/30/10 15:28	AMH	10J2546	6010B
Iron	**0.297**		0.050	0.019	mg/L	1.00	10/30/10 15:28	AMH	10J2546	6010B
Lead	ND		0.0050	0.0030	mg/L	1.00	10/30/10 15:28	AMH	10J2546	6010B
Manganese	**7.50**		0.0030	0.0002	mg/L	1.00	10/30/10 15:28	AMH	10J2546	6010B
Antimony	**4.4**		1.0	0.2	ug/L	1.00	11/02/10 20:21	ESW	10J2550	6020
Arsenic	**5.2**		1.0	0.08	ug/L	1.00	11/02/10 20:21	ESW	10J2550	6020
Cadmium	ND		0.5	0.02	ug/L	1.00	11/02/10 20:21	ESW	10J2550	6020
Mercury	ND		0.0002	0.0001	mg/L	1.00	11/02/10 13:13	JRK	10K0061	7470A

Honeywell - Morristown, NJ
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Reported: 11/09/10 15:48

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: Sump Comp (RTJ1661-09 - Water)						**Sampled: 10/20/10 15:00**		**Recvd: 10/20/10 18:00**		
Semivolatile Organics by GC/MS										
4-Chloroaniline	**2.0**	J	5.1	0.60	ug/L	1.00	10/27/10 02:06	JLG	10J2097	8270C
Naphthalene	**0.98**	J	5.1	0.78	ug/L	1.00	10/27/10 02:06	JLG	10J2097	8270C
2,4,6-Tribromophenol	*126 %*		*Surr Limits: (52-132%)*				*10/27/10 02:06*	*JLG*	*10J2097*	*8270C*
2-Fluorobiphenyl	*86 %*		*Surr Limits: (48-120%)*				*10/27/10 02:06*	*JLG*	*10J2097*	*8270C*
2-Fluorophenol	*52 %*		*Surr Limits: (20-120%)*				*10/27/10 02:06*	*JLG*	*10J2097*	*8270C*
Nitrobenzene-d5	*93 %*		*Surr Limits: (46-120%)*				*10/27/10 02:06*	*JLG*	*10J2097*	*8270C*
Phenol-d5	*38 %*		*Surr Limits: (16-120%)*				*10/27/10 02:06*	*JLG*	*10J2097*	*8270C*
p-Terphenyl-d14	*74 %*		*Surr Limits: (24-136%)*				*10/27/10 02:06*	*JLG*	*10J2097*	*8270C*
Organochlorine Pesticides and PCBs by EPA Method 608										
Aroclor 1016	ND	QSU	0.061	0.039	ug/L	1.00	10/27/10 15:41	JxM	10J2098	608
Aroclor 1221	ND	QSU	0.061	0.041	ug/L	1.00	10/27/10 15:41	JxM	10J2098	608
Aroclor 1232	ND	QSU	0.061	0.050	ug/L	1.00	10/27/10 15:41	JxM	10J2098	608
Aroclor 1242	ND	QSU	0.061	0.045	ug/L	1.00	10/27/10 15:41	JxM	10J2098	608
Aroclor 1248	ND	QSU	0.061	0.036	ug/L	1.00	10/27/10 15:41	JxM	10J2098	608
Aroclor 1254	ND	QSU	0.061	0.015	ug/L	1.00	10/27/10 15:41	JxM	10J2098	608
Aroclor 1260	ND	QSU	0.061	0.011	ug/L	1.00	10/27/10 15:41	JxM	10J2098	608
Decachlorobiphenyl	*73 %*	*QSU*	*Surr Limits: (26-145%)*				*10/27/10 15:41*	*JxM*	*10J2098*	*608*
Tetrachloro-m-xylene	*82 %*	*QSU*	*Surr Limits: (25-152%)*				*10/27/10 15:41*	*JxM*	*10J2098*	*608*
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND		0.051	0.0094	ug/L	1.00	10/25/10 17:36	DGB	10J1831	8081A
4,4'-DDE	ND		0.051	0.012	ug/L	1.00	10/25/10 17:36	DGB	10J1831	8081A
Decachlorobiphenyl	*66 %*		*Surr Limits: (15-139%)*				*10/25/10 17:36*	*DGB*	*10J1831*	*8081A*
Tetrachloro-m-xylene	*75 %*		*Surr Limits: (30-139%)*				*10/25/10 17:36*	*DGB*	*10J1831*	*8081A*
Total Metals by SW 846 Series Methods										
Chromium	**0.0293**		0.0040	0.0009	mg/L	1.00	10/25/10 22:01	AMH	10J1987	6010B
Iron	**4.22**		0.050	0.019	mg/L	1.00	10/25/10 22:01	AMH	10J1987	6010B
Lead	**0.0032**		0.0050	0.0030	mg/L	1.00	10/25/10 22:01	AMH	10J1987	6010B
Manganese	**3.94**		0.0030	0.0002	mg/L	1.00	10/25/10 22:01	AMH	10J1987	6010B
Antimony	**1.0**		1.0	0.2	ug/L	1.00	10/26/10 22:20	ESW	10J1990	6020
Arsenic	**11.3**		1.0	0.08	ug/L	1.00	10/26/10 22:20	ESW	10J1990	6020
Cadmium	ND		0.5	0.02	ug/L	1.00	10/26/10 22:20	ESW	10J1990	6020
Mercury	ND		0.0002	0.0001	mg/L	1.00	10/25/10 15:07	JRK	10J1993	7470A

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Reported: 11/09/10 15:48

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TRIP BLANK (RTJ1661-10 - Water)						**Sampled: 10/20/10**		**Recvd: 10/20/10 18:00**		
Volatile Organic Compounds by EPA 8260B										
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	10/30/10 16:58	NMD	10J2622	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	10/30/10 16:58	NMD	10J2622	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	10/30/10 16:58	NMD	10J2622	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	10/30/10 16:58	NMD	10J2622	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	10/30/10 16:58	NMD	10J2622	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	10/30/10 16:58	NMD	10J2622	8260B
1,2-Dichloroethane-d4	*92 %*		*Surr Limits: (66-137%)*				*10/30/10 16:58*	*NMD*	*10J2622*	*8260B*
4-Bromofluorobenzene	*108 %*		*Surr Limits: (73-120%)*				*10/30/10 16:58*	*NMD*	*10J2622*	*8260B*
Toluene-d8	*94 %*		*Surr Limits: (71-126%)*				*10/30/10 16:58*	*NMD*	*10J2622*	*8260B*

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: TRIP BLANK (RTJ2142-05 - Water)						**Sampled: 10/28/10**			**Recvd: 10/28/10 18:40**	
Volatile Organic Compounds by EPA 8260B										
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L	1.00	11/06/10 05:14	CDC	10K0583	8260B
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L	1.00	11/06/10 05:14	CDC	10K0583	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	11/06/10 05:14	CDC	10K0583	8260B
Chlorobenzene	ND		1.0	0.75	ug/L	1.00	11/06/10 05:14	CDC	10K0583	8260B
Ethylbenzene	ND		1.0	0.74	ug/L	1.00	11/06/10 05:14	CDC	10K0583	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	11/06/10 05:14	CDC	10K0583	8260B
1,2-Dichloroethane-d4	*91 %*		*Surr Limits: (66-137%)*				*11/06/10 05:14*	*CDC*	*10K0583*	*8260B*
4-Bromofluorobenzene	*110 %*		*Surr Limits: (73-120%)*				*11/06/10 05:14*	*CDC*	*10K0583*	*8260B*
Toluene-d8	*100 %*		*Surr Limits: (71-126%)*				*11/06/10 05:14*	*CDC*	*10K0583*	*8260B*

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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Organochlorine Pesticides and PCBs by EPA Method 608									
608	10J2098	RTJ1661-09	990.00	mL	2.00	mL	10/26/10 09:00	CXM	3510C GC
Organochlorine Pesticides by EPA Method 8081A									
8081A	10J1831	RTJ1661-09	980.00	mL	10.00	mL	10/22/10 09:00	BWM	3510C GC
Semivolatile Organics by GC/MS									
8270C	10J2097	RTJ1661-09	980.00	mL	1.00	mL	10/26/10 09:00	CXM	3510C MB
Total Metals by SW 846 Series Methods									
6010B	10J1987	RTJ1661-09	50.00	mL	50.00	mL	10/25/10 11:20	JRK	3005A
6020	10J1990	RTJ1661-09	50.00	mL	50.00	mL	10/25/10 09:35	JRK	3020A
7470A	10J1993	RTJ1661-09	30.00	mL	50.00	mL	10/25/10 12:00	JRK	7470A
Volatile Organic Compounds by EPA 8260B									
8260B	10J2622	RTJ1661-02	5.00	mL	5.00	mL	10/30/10 10:35	NMD	5030B MS
8260B	10J2622	RTJ1661-03	5.00	mL	5.00	mL	10/30/10 10:35	NMD	5030B MS
8260B	10J2622	RTJ1661-04	5.00	mL	5.00	mL	10/30/10 10:35	NMD	5030B MS
8260B	10J2622	RTJ1661-05	5.00	mL	5.00	mL	10/30/10 10:35	NMD	5030B MS
8260B	10J2622	RTJ1661-10	5.00	mL	5.00	mL	10/30/10 10:35	NMD	5030B MS
8260B	10K0025	RTJ1661-04RE1	5.00	mL	5.00	mL	11/01/10 10:42	RMJ	5030B MS

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Organochlorine Pesticides and PCBs by EPA Method 608									
608	10J2098	RTJ1724-01	1,000.00	mL	2.00	mL	10/26/10 09:00	CXM	3510C GC
Organochlorine Pesticides by EPA Method 8081A									
8081A	10J2210	RTJ1724-01	1,000.00	mL	10.00	mL	10/27/10 09:00	CXM	3510C GC
Semivolatile Organics by GC/MS									
8270C	10J2097	RTJ1724-01	975.00	mL	1.00	mL	10/26/10 09:00	CXM	3510C MB
Total Metals by SW 846 Series Methods									
6010B	10J1987	RTJ1724-01	50.00	mL	50.00	mL	10/25/10 11:20	JRK	3005A
6020	10J1942	RTJ1724-01	50.00	mL	50.00	mL	10/25/10 09:30	MDM	3020A
7470A	10J1993	RTJ1724-01	30.00	mL	50.00	mL	10/25/10 12:00	JRK	7470A

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Organochlorine Pesticides and PCBs by EPA Method 608									
608	10K0168	RTJ2142-01	1,060.00	mL	2.00	mL	11/03/10 13:00	CXM	3510C GC
608	10K0168	RTJ2142-04	1,060.00	mL	2.00	mL	11/03/10 13:00	CXM	3510C GC
Organochlorine Pesticides by EPA Method 8081A									
8081A	10K0013	RTJ2142-01	1,060.00	mL	10.00	mL	11/01/10 08:30	CXM	3510C GC

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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
8081A	10K0013	RTJ2142-04	1,060.00	mL	10.00	mL	11/01/10 08:30	CXM	3510C GC
Semivolatile Organics by GC/MS									
8270C	10K0170	RTJ2142-01	1,060.00	mL	1.00	mL	11/03/10 11:00	CXM	3510C MB
8270C	10K0170	RTJ2142-04	1,060.00	mL	1.00	mL	11/03/10 11:00	CXM	3510C MB
Total Metals by SW 846 Series Methods									
6010B	10J2546	RTJ2142-01	50.00	mL	50.00	mL	10/29/10 16:00	MDM	3005A
6010B	10J2546	RTJ2142-04	50.00	mL	50.00	mL	10/29/10 16:00	MDM	3005A
6020	10J2550	RTJ2142-01	50.00	mL	50.00	mL	10/29/10 16:20	MDM	3020A
6020	10J2550	RTJ2142-04	50.00	mL	50.00	mL	10/29/10 16:20	MDM	3020A
7470A	10K0061	RTJ2142-01	30.00	mL	50.00	mL	11/01/10 10:15	JRK	7470A
7470A	10K0061	RTJ2142-04	30.00	mL	50.00	mL	11/01/10 10:15	JRK	7470A
Volatile Organic Compounds by EPA 8260B									
8260B	10K0583	RTJ2142-01	5.00	mL	5.00	mL	11/05/10 18:58	CDC	5030B MS
8260B	10K0583	RTJ2142-04	5.00	mL	5.00	mL	11/05/10 18:58	CDC	5030B MS
8260B	10K0583	RTJ2142-05	5.00	mL	5.00	mL	11/05/10 18:58	CDC	5030B MS

Honeywell - Morristown, NJ
101 Columbia Road
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SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

Received: 10/20/10-10/28/10
Reported: 11/09/10 15:48

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 10/30/10 (Lab Number:10J2622-BLK1, Batch: 10J2622)											
1,2-Dichlorobenzene			1.0	0.79	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Chlorobenzene			1.0	0.75	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*91*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*109*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*97*	*71-126*			
LCS Analyzed: 10/30/10 (Lab Number:10J2622-BS1, Batch: 10J2622)											
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	23.8	95	77-120			
1,4-Dichlorobenzene		25.0	1.0	0.84	ug/L	23.9	96	75-120			
Benzene		25.0	1.0	0.41	ug/L	27.4	110	71-124			
Chlorobenzene		25.0	1.0	0.75	ug/L	24.9	100	72-120			
Ethylbenzene		25.0	1.0	0.74	ug/L	24.3	97	77-123			
Xylenes, total		75.0	2.0	0.66	ug/L	74.4	99	76-122			
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*94*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*112*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*98*	*71-126*			
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/01/10 (Lab Number:10K0025-BLK1, Batch: 10K0025)											
1,2-Dichlorobenzene			1.0	0.79	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Chlorobenzene			1.0	0.75	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*92*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*112*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*95*	*71-126*			
LCS Analyzed: 11/01/10 (Lab Number:10K0025-BS1, Batch: 10K0025)											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 11/01/10 (Lab Number:10K0025-BS1, Batch: 10K0025)											
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	21.9	88	77-120			
1,4-Dichlorobenzene		25.0	1.0	0.84	ug/L	21.4	86	75-120			
Benzene		25.0	1.0	0.41	ug/L	25.7	103	71-124			
Chlorobenzene		25.0	1.0	0.75	ug/L	22.8	91	72-120			
Ethylbenzene		25.0	1.0	0.74	ug/L	22.4	89	77-123			
Xylenes, total		75.0	2.0	0.66	ug/L	67.9	91	76-122			
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*89*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*107*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*93*	*71-126*			
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 11/05/10 (Lab Number:10K0583-BLK1, Batch: 10K0583)											
1,2-Dichlorobenzene			1.0	0.79	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.84	ug/L	ND					
Benzene			1.0	0.41	ug/L	ND					
Chlorobenzene			1.0	0.75	ug/L	ND					
Ethylbenzene			1.0	0.74	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*86*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*105*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*96*	*71-126*			
LCS Analyzed: 11/05/10 (Lab Number:10K0583-BS1, Batch: 10K0583)											
1,2-Dichlorobenzene		25.0	1.0	0.79	ug/L	25.8	103	77-120			
1,4-Dichlorobenzene		25.0	1.0	0.84	ug/L	25.8	103	75-120			
Benzene		25.0	1.0	0.41	ug/L	25.4	101	71-124			
Chlorobenzene		25.0	1.0	0.75	ug/L	25.4	102	72-120			
Ethylbenzene		25.0	1.0	0.74	ug/L	25.0	100	77-123			
Xylenes, total		75.0	2.0	0.66	ug/L	76.8	102	76-122			
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*88*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*110*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*100*	*71-126*			
Matrix Spike Analyzed: 11/06/10 (Lab Number:10K0583-MS1, Batch: 10K0583)											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 11/06/10 (Lab Number:10K0583-MS1, Batch: 10K0583)											
QC Source Sample: RTJ2142-01											
1,2-Dichlorobenzene	ND	25.0	1.0	0.79	ug/L	28.0	112	77-120			
1,4-Dichlorobenzene	ND	25.0	1.0	0.84	ug/L	28.0	112	75-120			
Benzene	ND	25.0	1.0	0.41	ug/L	29.7	119	71-124			
Chlorobenzene	28.2	25.0	1.0	0.75	ug/L	58.0	119	72-120			
Ethylbenzene	ND	25.0	1.0	0.74	ug/L	28.3	113	77-123			
Xylenes, total	ND	75.0	2.0	0.66	ug/L	86.1	115	76-122			
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*91*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*110*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*103*	*71-126*			
Matrix Spike Dup Analyzed: 11/06/10 (Lab Number:10K0583-MSD1, Batch: 10K0583)											
QC Source Sample: RTJ2142-01											
1,2-Dichlorobenzene	ND	25.0	1.0	0.79	ug/L	26.4	106	77-120	6	20	
1,4-Dichlorobenzene	ND	25.0	1.0	0.84	ug/L	26.7	107	75-120	5	20	
Benzene	ND	25.0	1.0	0.41	ug/L	27.8	111	71-124	7	13	
Chlorobenzene	28.2	25.0	1.0	0.75	ug/L	57.1	115	72-120	2	25	
Ethylbenzene	ND	25.0	1.0	0.74	ug/L	26.7	107	77-123	6	15	
Xylenes, total	ND	75.0	2.0	0.66	ug/L	81.5	109	76-122	6	16	
Surrogate: 1,2-Dichloroethane-d4					*ug/L*		*84*	*66-137*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*104*	*73-120*			
Surrogate: Toluene-d8					*ug/L*		*96*	*71-126*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 10/27/10 (Lab Number:10J2097-BLK1, Batch: 10J2097)											
4-Chloroaniline			5.0	0.59	ug/L	ND					
Naphthalene			5.0	0.76	ug/L	ND					
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*110*	*52-132*			
Surrogate: 2-Fluorobiphenyl					*ug/L*		*61*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*33*	*20-120*			
Surrogate: Nitrobenzene-d5					*ug/L*		*60*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*24*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*89*	*24-136*			
LCS Analyzed: 10/27/10 (Lab Number:10J2097-BS1, Batch: 10J2097)											
4-Chloroaniline		100	5.0	0.59	ug/L	87.2	87	60-124			
Naphthalene		100	5.0	0.76	ug/L	56.8	57	48-120			
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*115*	*52-132*			
Surrogate: 2-Fluorobiphenyl					*ug/L*		*85*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*53*	*20-120*			
Surrogate: Nitrobenzene-d5					*ug/L*		*88*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*38*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*94*	*24-136*			
Semivolatile Organics by GC/MS											
Blank Analyzed: 11/04/10 (Lab Number:10K0170-BLK1, Batch: 10K0170)											
4-Chloroaniline			5.0	0.59	ug/L	ND					
Naphthalene			5.0	0.76	ug/L	ND					
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*106*	*52-132*			
Surrogate: 2-Fluorobiphenyl					*ug/L*		*82*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*42*	*20-120*			
Surrogate: Nitrobenzene-d5					*ug/L*		*78*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*31*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*92*	*24-136*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 11/03/10 (Lab Number:10K0170-BLK2, Batch: 10K0170)											
4-Chloroaniline			5.0	0.59	ug/L	ND					
Naphthalene			5.0	0.76	ug/L	ND					
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*93*	*52-132*			
Surrogate: 2-Fluorobiphenyl					*ug/L*		*79*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*44*	*20-120*			
Surrogate: Nitrobenzene-d5					*ug/L*		*76*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*30*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*88*	*24-136*			
LCS Analyzed: 11/04/10 (Lab Number:10K0170-BS1, Batch: 10K0170)											
4-Chloroaniline			5.0	0.59	ug/L	83.4		60-124			
Naphthalene		100	5.0	0.76	ug/L	70.5	70	48-120			
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*112*	*52-132*			
Surrogate: 2-Fluorobiphenyl					*ug/L*		*86*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*45*	*20-120*			
Surrogate: Nitrobenzene-d5					*ug/L*		*85*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*33*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*90*	*24-136*			
LCS Analyzed: 11/03/10 (Lab Number:10K0170-BS2, Batch: 10K0170)											
4-Chloroaniline			5.0	0.59	ug/L	ND		60-124			
Naphthalene		100	5.0	0.76	ug/L	ND		48-120			
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*92*	*52-132*			
Surrogate: 2-Fluorobiphenyl					*ug/L*		*85*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*46*	*20-120*			
Surrogate: Nitrobenzene-d5					*ug/L*		*83*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*33*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*82*	*24-136*			

Matrix Spike Analyzed: 11/04/10 (Lab Number:10K0170-MS1, Batch: 10K0170)
QC Source Sample: RTJ2142-01

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Analyzed: 11/04/10 (Lab Number:10K0170-MS1, Batch: 10K0170)											
QC Source Sample: RTJ2142-01											
4-Chloroaniline	0.689		4.7	0.56	ug/L	64.4		60-124			
Naphthalene	ND	94.3	4.7	0.72	ug/L	78.1	83	48-120			
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*133*	*52-132*			*Z2*
Surrogate: 2-Fluorobiphenyl					*ug/L*		*95*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*49*	*20-120*			
Surrogate: Nitrobenzene-d5					*ug/L*		*96*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*35*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*48*	*24-136*			
Matrix Spike Dup Analyzed: 11/04/10 (Lab Number:10K0170-MSD1, Batch: 10K0170)											
QC Source Sample: RTJ2142-01											
4-Chloroaniline	0.689		4.7	0.56	ug/L	61.3		60-124	5	22	
Naphthalene	ND	94.3	4.7	0.72	ug/L	75.3	80	48-120	4	29	
Surrogate: 2,4,6-Tribromophenol					*ug/L*		*133*	*52-132*			*Z2*
Surrogate: 2-Fluorobiphenyl					*ug/L*		*94*	*48-120*			
Surrogate: 2-Fluorophenol					*ug/L*		*49*	*20-120*			
Surrogate: Nitrobenzene-d5					*ug/L*		*92*	*46-120*			
Surrogate: Phenol-d5					*ug/L*		*35*	*16-120*			
Surrogate: p-Terphenyl-d14					*ug/L*		*60*	*24-136*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides and PCBs by EPA Method 608											
Blank Analyzed: 10/27/10 (Lab Number:10J2098-BLK1, Batch: 10J2098)											
Aroclor 1016			0.060	0.038	ug/L	ND					QSU
Aroclor 1221			0.060	0.040	ug/L	ND					QSU
Aroclor 1232			0.060	0.049	ug/L	ND					QSU
Aroclor 1242			0.060	0.044	ug/L	ND					QSU
Aroclor 1248			0.060	0.036	ug/L	ND					QSU
Aroclor 1254			0.060	0.015	ug/L	ND					QSU
Aroclor 1260			0.060	0.010	ug/L	ND					QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*69*	*26-145*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*62*	*25-152*			*QSU*
LCS Analyzed: 10/27/10 (Lab Number:10J2098-BS1, Batch: 10J2098)											
Aroclor 1016		1.00	0.060	0.038	ug/L	0.968	97	58-141			QSU
Aroclor 1016 [2C]		1.00	0.060	0.038	ug/L	0.901	90	58-141			QSU
Aroclor 1260		1.00	0.060	0.010	ug/L	0.903	90	56-144			QSU
Aroclor 1260 [2C]		1.00	0.060	0.010	ug/L	0.792	79	56-144			QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*71*	*26-145*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*63*	*26-145*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*74*	*25-152*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*73*	*25-152*			*QSU*
Organochlorine Pesticides and PCBs by EPA Method 608											
Blank Analyzed: 11/06/10 (Lab Number:10K0168-BLK1, Batch: 10K0168)											
Aroclor 1016			0.060	0.038	ug/L	ND					QSU
Aroclor 1221			0.060	0.040	ug/L	ND					QSU
Aroclor 1232			0.060	0.049	ug/L	ND					QSU
Aroclor 1242			0.060	0.044	ug/L	ND					QSU
Aroclor 1248			0.060	0.036	ug/L	ND					QSU
Aroclor 1254			0.060	0.015	ug/L	ND					QSU
Aroclor 1260			0.060	0.010	ug/L	ND					QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*85*	*26-145*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*95*	*25-152*			*QSU*
LCS Analyzed: 11/06/10 (Lab Number:10K0168-BS1, Batch: 10K0168)											

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides and PCBs by EPA Method 608											
LCS Analyzed: 11/06/10 (Lab Number:10K0168-BS1, Batch: 10K0168)											
Aroclor 1016		1.00	0.060	0.038	ug/L	1.05	105	58-141			QSU
Aroclor 1016 [2C]		1.00	0.060	0.038	ug/L	1.28	128	58-141			QSU,C
Aroclor 1260		1.00	0.060	0.010	ug/L	1.00	100	56-144			QSU
Aroclor 1260 [2C]		1.00	0.060	0.010	ug/L	0.998	100	56-144			QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*87*	*26-145*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*83*	*26-145*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*96*	*25-152*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*108*	*25-152*			*QSU*
Matrix Spike Analyzed: 11/07/10 (Lab Number:10K0168-MS1, Batch: 10K0168)											
QC Source Sample: RTJ2142-01											
Aroclor 1016	ND	0.952	0.057	0.036	ug/L	1.10	116	58-141			QSU
Aroclor 1016 [2C]	ND	0.952	0.057	0.036	ug/L	0.939	99	58-141			QSU
Aroclor 1260	ND	0.952	0.057	0.0099	ug/L	1.09	115	56-144			QSU
Aroclor 1260 [2C]	ND	0.952	0.057	0.0099	ug/L	1.05	110	56-144			QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*98*	*26-145*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*95*	*26-145*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*102*	*25-152*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*79*	*25-152*			*QSU*
Matrix Spike Dup Analyzed: 11/07/10 (Lab Number:10K0168-MSD1, Batch: 10K0168)											
QC Source Sample: RTJ2142-01											
Aroclor 1016	ND	0.952	0.057	0.036	ug/L	1.11	116	58-141	0.6	30	QSU
Aroclor 1016 [2C]	ND	0.952	0.057	0.036	ug/L	1.12	117	58-141	17	30	QSU
Aroclor 1260	ND	0.952	0.057	0.0099	ug/L	0.927	97	56-144	16	30	QSU
Aroclor 1260 [2C]	ND	0.952	0.057	0.0099	ug/L	0.844	89	56-144	21	30	QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*69*	*26-145*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*68*	*26-145*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*88*	*25-152*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*64*	*25-152*			*QSU*

Honeywell - Morristown, NJ
101 Columbia Road
Morristown, NJ 07962

SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

Received: 10/20/10-10/28/10
Reported: 11/09/10 15:48

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Blank Analyzed: 10/25/10 (Lab Number:10J1831-BLK1, Batch: 10J1831)											
4,4'-DDD			0.050	0.0092	ug/L	ND					QSU
4,4'-DDE			0.050	0.012	ug/L	ND					QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*59*	*15-139*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*67*	*30-139*			*QSU*
LCS Analyzed: 10/25/10 (Lab Number:10J1831-BS1, Batch: 10J1831)											
4,4'-DDD		0.500	0.050	0.0092	ug/L	0.554	111	25-139			QSU
4,4'-DDD [2C]		0.500	0.050	0.0092	ug/L	0.646	129	25-139			QSU
4,4'-DDE		0.500	0.050	0.012	ug/L	0.527	105	49-127			QSU
4,4'-DDE [2C]		0.500	0.050	0.012	ug/L	0.584	117	49-127			QSU
Surrogate: Decachlorobiphenyl					*ug/L*		*79*	*15-139*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*72*	*15-139*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*74*	*30-139*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/L*		*86*	*30-139*			*QSU*
Organochlorine Pesticides by EPA Method 8081A											
Blank Analyzed: 10/31/10 (Lab Number:10J2210-BLK1, Batch: 10J2210)											
4,4'-DDD			0.050	0.0092	ug/L	ND					
4,4'-DDE			0.050	0.012	ug/L	ND					
Surrogate: Decachlorobiphenyl					*ug/L*		*104*	*15-139*			
Surrogate: Tetrachloro-m-xylene					*ug/L*		*69*	*30-139*			
LCS Analyzed: 10/31/10 (Lab Number:10J2210-BS1, Batch: 10J2210)											
4,4'-DDD		0.500	0.050	0.0092	ug/L	0.561	112	25-139			
4,4'-DDD [2C]		0.500	0.050	0.0092	ug/L	0.656	131	25-139			C8
4,4'-DDE		0.500	0.050	0.012	ug/L	0.516	103	49-127			
4,4'-DDE [2C]		0.500	0.050	0.012	ug/L	0.585	117	49-127			C8
Surrogate: Decachlorobiphenyl					*ug/L*		*77*	*15-139*			
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*83*	*15-139*			
Surrogate: Tetrachloro-m-xylene					*ug/L*		*67*	*30-139*			

Honeywell - Morristown, NJ
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SDG Number: RTJ1661

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Reported: 11/09/10 15:48

Organochlorine Pesticides by EPA Method 8081A

LCS Analyzed: 10/31/10 (Lab Number:10J2210-BS1, Batch: 10J2210)

Surrogate: Tetrachloro-m-xylene				*ug/L*		*78*	*30-139*	

Organochlorine Pesticides by EPA Method 8081A

Blank Analyzed: 11/01/10 (Lab Number:10K0013-BLK1, Batch: 10K0013)

4,4'-DDD		0.050	0.0092	ug/L	ND			QSU
4,4'-DDE		0.050	0.012	ug/L	ND			QSU
Surrogate: Decachlorobiphenyl				*ug/L*		*79*	*15-139*	*QSU*
Surrogate: Tetrachloro-m-xylene				*ug/L*		*84*	*30-139*	*QSU*

LCS Analyzed: 11/01/10 (Lab Number:10K0013-BS1, Batch: 10K0013)

4,4'-DDD	0.500	0.050	0.0092	ug/L	0.469	94	25-139	QSU
4,4'-DDD [2C]	0.500	0.050	0.0092	ug/L	0.486	97	25-139	QSU
4,4'-DDE	0.500	0.050	0.012	ug/L	0.430	86	49-127	QSU
4,4'-DDE [2C]	0.500	0.050	0.012	ug/L	0.455	91	49-127	QSU
Surrogate: Decachlorobiphenyl				*ug/L*		*81*	*15-139*	*QSU*
Surrogate: Decachlorobiphenyl [2C]				*ug/L*		*71*	*15-139*	*QSU*
Surrogate: Tetrachloro-m-xylene				*ug/L*		*88*	*30-139*	*QSU*
Surrogate: Tetrachloro-m-xylene				*ug/L*		*87*	*30-139*	*QSU*

Matrix Spike Analyzed: 11/01/10 (Lab Number:10K0013-MS1, Batch: 10K0013)

QC Source Sample: RTJ2142-01

4,4'-DDD	ND	0.472	0.047	0.0087	ug/L	0.398	84	25-139		
4,4'-DDD [2C]	ND	0.472	0.047	0.0087	ug/L	0.420	89	25-139		
4,4'-DDE	ND	0.472	0.047	0.011	ug/L	0.362	77	49-127		
4,4'-DDE [2C]	ND	0.472	0.047	0.011	ug/L	0.396	84	49-127		
Surrogate: Decachlorobiphenyl					*ug/L*		*81*	*15-139*		
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*71*	*15-139*		
Surrogate: Tetrachloro-m-xylene					*ug/L*		*79*	*30-139*		
Surrogate: Tetrachloro-m-xylene					*ug/L*		*85*	*30-139*		

Matrix Spike Dup Analyzed: 11/01/10 (Lab Number:10K0013-MSD1, Batch: 10K0013)

QC Source Sample: RTJ2142-01

4,4'-DDD	ND	0.472	0.047	0.0087	ug/L	0.407	86	25-139	2	12
4,4'-DDD [2C]	ND	0.472	0.047	0.0087	ug/L	0.424	90	25-139	0.9	12
4,4'-DDE	ND	0.472	0.047	0.011	ug/L	0.365	77	49-127	0.8	14

Honeywell - Morristown, NJ
101 Columbia Road
Morristown, NJ 07962

SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

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Reported: 11/09/10 15:48

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Matrix Spike Dup Analyzed: 11/01/10 (Lab Number:10K0013-MSD1, Batch: 10K0013)											
QC Source Sample: RTJ2142-01											
4,4'-DDE [2C]	ND	0.472	0.047	0.011	ug/L	0.397	84	49-127	0.2	14	
Surrogate: Decachlorobiphenyl					*ug/L*		*89*	*15-139*			
Surrogate: Decachlorobiphenyl [2C]					*ug/L*		*76*	*15-139*			
Surrogate: Tetrachloro-m-xylene					*ug/L*		*77*	*30-139*			
Surrogate: Tetrachloro-m-xylene					*ug/L*		*92*	*30-139*			

Honeywell - Morristown, NJ
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SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

Received: 10/20/10-10/28/10
Reported: 11/09/10 15:48

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Blank Analyzed: 10/27/10 (Lab Number:10J1942-BLK1, Batch: 10J1942)											
Antimony			1.0	0.2	ug/L	ND					
Arsenic			1.0	0.08	ug/L	ND					
Cadmium			0.5	0.02	ug/L	ND					
LCS Analyzed: 10/27/10 (Lab Number:10J1942-BS1, Batch: 10J1942)											
Antimony		20.0	1.0	0.2	ug/L	20.5	102	80-120			
Arsenic		20.0	1.0	0.08	ug/L	19.6	98	80-120			
Cadmium		20.0	0.5	0.02	ug/L	20.2	101	80-120			
Total Metals by SW 846 Series Methods											
Blank Analyzed: 10/25/10 (Lab Number:10J1987-BLK1, Batch: 10J1987)											
Chromium			0.0040	0.0009	mg/L	ND					
Iron			0.050	0.019	mg/L	ND					
Lead			0.0050	0.0030	mg/L	ND					
Manganese			0.0030	0.0002	mg/L	ND					
LCS Analyzed: 10/25/10 (Lab Number:10J1987-BS1, Batch: 10J1987)											
Chromium		0.200	0.0040	0.0009	mg/L	0.204	102	80-120			
Iron		10.0	0.050	0.019	mg/L	9.84	98	80-120			
Lead		0.200	0.0050	0.0030	mg/L	0.204	102	80-120			
Manganese		0.200	0.0030	0.0002	mg/L	0.204	102	80-120			
Total Metals by SW 846 Series Methods											
Blank Analyzed: 10/26/10 (Lab Number:10J1990-BLK1, Batch: 10J1990)											
Antimony			1.0	0.2	ug/L	ND					
Arsenic			1.0	0.08	ug/L	ND					
Cadmium			0.5	0.02	ug/L	ND					
LCS Analyzed: 10/26/10 (Lab Number:10J1990-BS1, Batch: 10J1990)											
Antimony		20.0	1.0	0.2	ug/L	19.8	99	80-120			
Arsenic		20.0	1.0	0.08	ug/L	19.3	97	80-120			
Cadmium		20.0	0.5	0.02	ug/L	20.3	101	80-120			
Total Metals by SW 846 Series Methods											
Blank Analyzed: 10/25/10 (Lab Number:10J1993-BLK1, Batch: 10J1993)											
Mercury			0.0001	0.0001	mg/L	ND					
LCS Analyzed: 10/25/10 (Lab Number:10J1993-BS1, Batch: 10J1993)											

Honeywell - Morristown, NJ
101 Columbia Road
Morristown, NJ 07962

SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

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Reported: 11/09/10 15:48

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
LCS Analyzed: 10/25/10 (Lab Number:10J1993-BS1, Batch: 10J1993)											
Mercury		0.00667	0.0001	0.0001	mg/L	0.00712	107	80-120			
Total Metals by SW 846 Series Methods											
Blank Analyzed: 10/30/10 (Lab Number:10J2546-BLK1, Batch: 10J2546)											
Chromium			0.0040	0.0009	mg/L	ND					
Iron			0.050	0.019	mg/L	ND					
Lead			0.0050	0.0030	mg/L	ND					
Manganese			0.0030	0.0002	mg/L	ND					
LCS Analyzed: 10/30/10 (Lab Number:10J2546-BS1, Batch: 10J2546)											
Chromium		0.200	0.0040	0.0009	mg/L	0.199	99	80-120			
Iron		10.0	0.050	0.019	mg/L	10.0	100	80-120			
Lead		0.200	0.0050	0.0030	mg/L	0.197	98	80-120			
Manganese		0.200	0.0030	0.0002	mg/L	0.207	103	80-120			
Matrix Spike Analyzed: 10/30/10 (Lab Number:10J2546-MS1, Batch: 10J2546)											
QC Source Sample: RTJ2142-01											
Chromium	0.00494	0.200	0.0040	0.0009	mg/L	0.197	96	75-125			
Iron	0.297	10.0	0.050	0.019	mg/L	10.0	97	75-125			
Lead	ND	0.200	0.0050	0.0030	mg/L	0.202	101	75-125			
Manganese	7.50	0.200	0.0030	0.0002	mg/L	7.60	49	75-125			MHA
Matrix Spike Dup Analyzed: 10/30/10 (Lab Number:10J2546-MSD1, Batch: 10J2546)											
QC Source Sample: RTJ2142-01											
Chromium	0.00494	0.200	0.0040	0.0009	mg/L	0.197	96	75-125	0.02	20	
Iron	0.297	10.0	0.050	0.019	mg/L	10.1	98	75-125	0.7	20	
Lead	ND	0.200	0.0050	0.0030	mg/L	0.204	102	75-125	1	20	
Manganese	7.50	0.200	0.0030	0.0002	mg/L	7.61	54	75-125	0.1	20	MHA
Total Metals by SW 846 Series Methods											
Blank Analyzed: 11/02/10 (Lab Number:10J2550-BLK1, Batch: 10J2550)											
Antimony			1.0	0.2	ug/L	ND					
Arsenic			1.0	0.08	ug/L	ND					
Cadmium			0.5	0.02	ug/L	ND					
LCS Analyzed: 11/02/10 (Lab Number:10J2550-BS1, Batch: 10J2550)											
Antimony		20.0	1.0	0.2	ug/L	20.3	101	80-120			
Arsenic		20.0	1.0	0.08	ug/L	19.3	96	80-120			
Cadmium		20.0	0.5	0.02	ug/L	20.1	100	80-120			

Honeywell - Morristown, NJ
101 Columbia Road
Morristown, NJ 07962

SDG Number: RTJ1661

Project: Honeywell - Alltift GW monitoring
Project Number: HON-0005

Received: 10/20/10-10/28/10
Reported: 11/09/10 15:48

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Matrix Spike Analyzed: 11/02/10 (Lab Number:10J2550-MS1, Batch: 10J2550)											
QC Source Sample: RTJ2142-01											
Antimony	4.41	20.0	1.0	0.2	ug/L	25.1	103	75-125			
Arsenic	5.21	20.0	1.0	0.08	ug/L	22.4	86	75-125			
Cadmium	ND	20.0	0.5	0.02	ug/L	19.1	96	75-125			
Matrix Spike Dup Analyzed: 11/02/10 (Lab Number:10J2550-MSD1, Batch: 10J2550)											
QC Source Sample: RTJ2142-01											
Antimony	4.41	20.0	1.0	0.2	ug/L	25.8	107	75-125	3	20	
Arsenic	5.21	20.0	1.0	0.08	ug/L	22.6	87	75-125	0.7	20	
Cadmium	ND	20.0	0.5	0.02	ug/L	19.4	97	75-125	1	20	
Total Metals by SW 846 Series Methods											
Blank Analyzed: 11/02/10 (Lab Number:10K0061-BLK1, Batch: 10K0061)											
Mercury			0.0002	0.0001	mg/L	ND					
LCS Analyzed: 11/02/10 (Lab Number:10K0061-BS1, Batch: 10K0061)											
Mercury		0.00667	0.0002	0.0001	mg/L	0.00690	104	80-120			
Matrix Spike Analyzed: 11/02/10 (Lab Number:10K0061-MS2, Batch: 10K0061)											
QC Source Sample: RTJ2142-01											
Mercury	ND	0.00667	0.0002	0.0001	mg/L	0.00565	85	75-125			
Matrix Spike Dup Analyzed: 11/02/10 (Lab Number:10K0061-MSD2, Batch: 10K0061)											
QC Source Sample: RTJ2142-01											
Mercury	ND	0.00667	0.0002	0.0001	mg/L	0.00565	85	75-125	0	20	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Jonathan Wilkins	Lab PM: Tony Bogolin	Carrier Tracking No(s):	COC No: 10122010 14:56_1
Client Contact: John Mojka	Phone: (315) 345-3481	E-Mail: tony.bogolin@testamericainc.com		Page: 1
Company: Honeywell - Morristown, NJ				Job #:
Address: 101 Columbia Road	Due Date Requested:			
City: Morristown	TAT Requested (Business Days): 10			
State, Zip: NJ, 07962				
Phone: -	PO #: 5199041			
Email:	WO #: RTJ1203			
Project Name: Honeywell - Allitt GW monitoring	Project #: Honeywell - Allitt GW monitoring			
Site: Honeywell - Buffalo sites - NY7A8728	SSOW#:			

Parameter(s) Requested

Preservation Codes:
A=HCL Z=Z
B=NaOH
C=Zn Acetate
D=Nitric Acid
I=Ice
N=None
S=H2SO4
V=MCAA
Containers Codes:
A=Amber T=Tedlar
G=Glass V=Vial
P=Poly/Plastic
S=Sterile

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	608PCB	PESTS	SVOA	T-Metals::T-Hg	Voas	Total Number of containers	Special Instructions/Note:
			Preserv-Cont Code:				A-A	A-A	A-A	D-P	A-V		
Sump4-102010 MS	10-20-10	1450	G	W	N		2	2	2	1	3	10	
Sump4-102010 MSD	10-20-10	1450	G	W	N		2	2	2	1	3	10	
FDUP -102010	10-20-10	N/A	G	W	N		2	2	2	1	3	10	
~~MW-1~~			G	W			~~3~~	~~3~~	~~2~~	1	~~3~~	10	
MW-2 -102010	10-20-10	1236	G	W	N		[redacted]	[redacted]	[redacted]	[redacted]	3	[redacted]	3 TOTAL VOA'S, DUP
Sump 1 -102010	10-20-10	1325	G	W	N						3	3	
Sump 2 -102010	10-20-10	1410	G	W	N						3	3	
Sump 3 -102010	10-20-10	1430	G	W	N						3	3	
Sump 4 -102010	10-20-10	1450	G	W	N	Y					3	3	
Sump Comp -102010	10-20-10	1500	C	W	N		2	2	2	1		7	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 10/20/10 4:00 pm	Company	Received by:	Date/Time: 10/20/10 1800	Company: TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 6.0 °C

Chain of Custody Record

TestAmerica

Client Information

Client Contact: John Mojka	Sampler: Jonathan Wilkins	Lab PM: Tony Bogdin	Carrier Tracking No(s):
Company: Honeywell - Morristown, NJ	Phone: (315) 345-3481	E-Mail: tony.bogolin@testamericainc.com	COC No: ~~10122010-1450~~ 102110
Address: 101 Columbia Road			Page: 1
City: Morristown	Due Date Requested:		Job #:
State, Zip: NJ, 07962	TAT Requested (Business Days): 10		
Phone:			
Email:	PO #: 5199041		
Project Name: Honeywell - Allift GW monitoring	WO #: RTJ1203		
Site: Honeywell - Buffalo sites - NY7A9728	Project #: Honeywell - Allift GW monitoring		
	SSOW#:		

Preservation Codes: A=HCL, B=NaOH, C=Zn Acetate, D=Nitric Acid, I=Ice, N=None, S=H2SO4, V=MCAA, Z=Z

Container Codes: A=Amber, G=Glass, P=Poly/Plastic, S=Summa, T=Tedlar, V=Vial

Parameter(s) Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082PCB	PESTS	SVOA	T-Metals:T-Hg		Total Number of containers	Special Instructions/Note:
			Preserv-Cont Code:				I-A	I-A	I-A	D-P	A-V		
~~MS~~			~~G~~	~~W~~			~~2~~	~~2~~	~~2~~	~~1~~	~~3~~	~~10~~	
~~MSD~~			~~G~~	~~W~~			~~2~~	~~2~~	~~2~~	~~1~~	~~3~~	~~10~~	
~~FBLK~~			~~G~~	~~W~~			~~2~~	~~2~~	~~2~~	~~1~~	~~3~~	~~10~~	
~~MW-1~~			~~G~~	~~W~~			~~2~~	~~2~~	~~2~~	~~1~~	~~3~~	~~10~~	
MW-2 -102110	10-21-10		G	W	N	N	2	2	2	1	X	7 containers	
~~Sump 1~~			~~G~~	~~W~~							~~3~~	~~3~~	
~~Sump 2~~			~~G~~	~~W~~							~~3~~	~~6~~	
~~Sump 3~~			~~G~~	~~W~~							~~3~~	~~3~~	
~~Sump 4~~			~~G~~	~~W~~							~~3~~	~~3~~	
~~Sump-Comp~~			~~G~~	~~W~~			~~2~~	~~2~~	~~2~~	~~1~~		~~7~~	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10/21/10 5:10 pm		[signature]	10/21/10 1710	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information			
Client Contact: John Mojka	Sampler: Jonathan Wilkins	Lab PM: Tony Bogolin	Carrier Tracking No(s):
Company: Honeywell - Morristown, NJ	Phone: (215) 345-3481	E-Mail: tony.bogolin@testamericainc.com	COC No: ~~[illegible]~~ 102110
Address: 101 Columbia Road	Due Date Requested:		Page: 1
City: Morristown	TAT Requested (Business Days): 10		Job #:
State, Zip: NJ, 07962	PO #: 5199041		
Phone:	WO #: RTJ1203		
Email:	Project #: Honeywell - Allift GW monitoring		
Project Name: Honeywell - Allift GW monitoring	SSOW#:		
Site: Honeywell - Buffalo sites - NY7A6728			

Preservation Codes: A=HCL, B=NaOH, C=Zn Acetate, D=Nitric Acid, E=Ice, N=None, S=H2SO4, V=MCAA, Z=Z

Container Codes: A=Amber, G=Glass, P=Poly/Plastic, S=Summa, T=Tedlar, V=Vial

Parameter(s) Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	608PCB	PESTS	SVOA	T-Metals:T-Hg	[redacted]	Total Number of containers	Special Instructions/Note:
Preserv-Cont Code:	X	X			X	X	I-A	I-A	I-A	D-P	A-V	X	
~~MS~~			~~G~~	~~W~~			~~2~~	~~2~~	~~2~~	~~1~~	~~3~~	~~10~~	
~~MSD~~			~~C~~	~~W~~			~~2~~	~~2~~	~~2~~	~~1~~	~~3~~	~~10~~	
~~FDUP~~			~~C~~	~~W~~			~~2~~	~~2~~	~~2~~	~~1~~	~~3~~	~~10~~	
~~MW-1~~			~~G~~	~~W~~			~~2~~	~~2~~	~~2~~	~~1~~	~~3~~	~~10~~	
MW-2 -102110	10-21-10	0945	G	W	N	N	2	2	2	1	~~3~~ X	7 containers	
~~Sump-1~~			~~G~~	~~W~~							~~3~~	~~3~~	
~~Sump-2~~			~~G~~	~~W~~							~~3~~	~~3~~	
~~Sump-3~~			~~G~~	~~W~~							~~3~~	~~3~~	
~~Sump-4~~			~~G~~	~~W~~							~~3~~	~~3~~	
~~Sump-Comp~~			~~C~~	~~W~~			~~2~~	~~2~~	~~2~~	~~1~~		~~7~~	

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Jonathan Wilkins	Lab PM: Tony Bogolin	Carrier Tracking No(s):	COC No: ~~102810-1347-1~~ 102810-61
Client Contact: John Moka	Phone: (315) 345-3481	E-Mail: tony.bogolin@testamericainc.com		Page: 1
Company: Honeywell - Morristown, NJ				Job #:
Address: 101 Columbia Road	Due Date Requested:			
City: Morristown	TAT Requested (Business Days): 10			
State, Zip: NJ, 07962				
Phone:	PO #: 5199041			
Email:	WO #: RTJ1751			
Project Name: 30130 - Honeywell - Allitfi GW monitoring	Project #: Honeywell - Allitfi GW monitoring			
Site: Honeywell - Buffalo sites - NY7A9728	SSOW#:			

Parameter(s) Requested

Preservation Codes:
A=HCL Z=Z
B=NaOH
C=Zn Acetate
D=Nitric Acid
E=Ice
F=None
G=H2SO4
V=MCAA
Container Codes:
A=Amber T=Tedlar
G=Glass V=Vial
P=Poly/Plastic
S=Summa

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	608PCB	PESTS	SVOA	T-Metals::T-Hg	Voas									Total Number of containers	Special Instructions/Note:
			Preserv-Cont Code:		X	X	I-A	I-A	I-A	D-P	A-V									X	
Sump4-102810 MS	10-28-10	0755	G	W	N	Y	2	2	2	1	3									10	
Sump4-102810 MSD		0765	G	W	N	Y	2	2	2	1	3									10	
FDUP -102810		N/A	G	W	N	N	2	2	2	1	3									10	
Sump 4 -102810		0755	G	W	N	N	2	2	2	1	3									10	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 10/28/10 6:40p	Company	Received by:	Date/Time: 10/28/10 1840	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.0 °C

APPENDIX G

Site Inspection Forms

CH2MHILL

Site Inspection Form

Site Name: Alltift
Project Number: 30130
Date: 02/15/10

Weather: 23 F
Assessment by: Scott Sayles

Yes	No	N/A	
			A. Security
☒	☐	☐	1. Does fence exist? _____
☐	☒	☐	2. Is there a breach in fence? _____
☒	☐	☐	3. Locks on gate? _____
☒	☐	☐	4. Posted signs? _____
☐	☒	☐	5. Signs of trespassers/vandalism? _____
			6. Other _____
			B. General Site Conditions
☐	☒	☐	1. Vegetation stress? _____
☐	☒	☐	2. Mowing required? _____
☒	☐	☐	3. Access road drivable? _____
☐	☒	☐	4. Odors? _____
			5. Other _____
			C. Cap Inspection
☐	☒	☐	1. Exposed waste? _____
☒	☐	☐	2. Side slope stable? _____
☐	☒	☐	3. Erosion? _____
☐	☒	☐	4. Leachate seeps (discolored vegetation)? _____
☒	☐	☐	5. Synthetic liner exposed? Only at the edges.
☐	☒	☐	6. Bare spots? _____
☐	☒	☐	7. Presence of burrowing animals? _____
☐	☒	☐	8. Deep rooted vegetation? _____
☐	☒	☐	9. Cracking? _____
☐	☒	☐	10. Ponding water? _____
☐	☒	☐	11. Evidence of methane seeps? _____
			12. Other _____
			D. Surface Water
☐	☒	☐	1. Obstruction of flow ditches? _____
☐	☒	☐	2. Erosion of ditches? _____
☒	☐	☐	3. Silt & erosion control? _____
☒	☐	☐	4. Culverts in good condition? _____
☐	☒	☐	5. Evidence of overflow or uncontrolled flow? _____
☒	☐	☐	6. Outfalls in good condition? _____
☐	☐	☒	7. Sedimentation basin/ponds secure? _____
			8. Other _____
			E. Methane Gas Control
☒	☐	☐	1. Does one exist? _____

Site Inspection Form

Yes	No	N/A	
☐	☐	☐	2. Is system active or passive? active
☐	☒	☐	3. Permanent methane gas probes? _____
☒	☐	☐	4. Locks on monitoring wells? _____
☒	☐	☐	5. Vents in working order? _____
☒	☐	☐	6. Well seals in place? _____
☐	☐	☐	7. Methane levels within LEL limits? _____
☐	☐	☐	8. Monitoring reports current? _____
			9. Other _____
			F. Leachate Collection System
☒	☐	☐	1. Does one exist? _____
			2. Collection method:
☒	☐	☐	a. Sump? 2
☐	☐	☒	b. Well point? _____
☐	☐	☒	c. Earthen basin/pond? _____
☐	☐	☒	d. Structure secured? _____
			e. Other _____
			3. Pumping system:
☒	☐	☐	a. Automatic? _____
☐	☐	☒	b. Manual? _____
☒	☐	☐	c. Mechanically operable? _____
☐	☒	☐	d. Leaks/failures? _____
			4. Disposals:
☐	☒	☐	a. Onsite pretreatment/treatment? _____
☐	☒	☐	b. Surface discharge? (NPDES/SPDES) _____
☐	☒	☐	c. POTW – hardpiped? _____
☐	☐	☒	d. Quick disconnect caps in place? _____
			5. Transportation (if any):
☐	☐	☒	a. Chemicals? _____
☐	☐	☒	b. Filter cake? _____
☒	☐	☐	6. Ancillary equipment in good condition? (Pipes, valves, pumps, vaults, Instruments and etc.) _____
☒	☐	☐	7. Monitoring reports current? _____
			8. Other _____
			G. Groundwater Monitoring & Recovery Wells (if any)
☒	☐	☐	1. Locks on wells? _____
☒	☐	☐	2. Wells in good condition? _____
☒	☐	☐	3. Well seals in good condition? _____
☒	☐	☐	4. Access to wells? _____
☒	☐	☐	5. Monitoring reports current? _____
			6. Other _____

Site Inspection Form

Yes	No	N/A	
			H. Treatment Plant
☐	☐	☒	1. Building in good condition? (Doors, windows, wells, roof) _____
☐	☐	☒	2. Visual tank inspection performed? _____
☐	☐	☒	3. Visual inspection of pipes, valves, fittings etc.? _____
☐	☐	☒	4. Pump operation/inspection performed? _____
☐	☐	☒	5. Instruments operation/calibration? _____
☐	☐	☒	6. Mixer operation/inspection? _____
☐	☐	☒	7. Proper personal protection equipment? _____
☐	☐	☒	8. Air compressor system functioning properly? _____
☐	☐	☒	9. Filter press inspected? _____
☐	☐	☒	10. Emergency generator functioning properly? _____
			I. Polymeric Marine Mattress (PMM)
☐	☐	☒	1. Damage due to burrowing animals? _____
☐	☐	☒	2. Damage due ice and/or ice flowages? _____
☐	☐	☒	3. Impacts or damage due to the periodic dredging of the Buffalo River? _____
☐	☐	☒	4. Impacts or damage due to navigation activities in the Buffalo River? _____
☐	☐	☒	5. Establishment of woody plant growth causing displacement or stress on the system? _____
☐	☐	☒	6. Areas of settlement or displacement of the system? _____
☐	☐	☒	7. Erosion at the upstream and downstream limits of the system? _____
☐	☐	☒	8. Damage to the stone infill adjacent to Outfall #006 and the concrete wall/sheet pile along the upstream limit of the system? _____
☐	☐	☒	9. Damage to the stone infill within the marine mattresses? _____
☐	☐	☒	10. Damage to the general integrity of the system (Look for splits, cuts and gaps)? _____

J. General Comments

All areas covered with snow with no visible vegetation. NYDEC could not attend. I spoke with Gene Melnyk, NYDEC, on 03/12/2010.

Scott Hayden 2/15/10

CH2MHILL

Site Inspection Form

Site Name: Alltift
Project Number: 30130
Date: 04/29/10

Weather: 50 F and Sunny
Assessment by: Scott Sayles

Yes	No	N/A	
			A. Security
☒	☐	☐	1. Does fence exist? _____
☐	☒	☐	2. Is there a breach in fence? _____
☒	☐	☐	3. Locks on gate? _____
☒	☐	☐	4. Posted signs? _____
☐	☒	☐	5. Signs of trespassers/vandalism? _____
			6. Other _____
			B. General Site Conditions
☐	☒	☐	1. Vegetation stress? _____
☐	☒	☐	2. Mowing required? _____
☒	☐	☐	3. Access road drivable? _____
☐	☒	☐	4. Odors? _____
			5. Other _____
			C. Cap Inspection
☐	☒	☐	1. Exposed waste? _____
☒	☐	☐	2. Side slope stable? _____
☐	☒	☐	3. Erosion? _____
☐	☒	☐	4. Leachate seeps (discolored vegetation)? _____
☒	☐	☐	5. Synthetic liner exposed? _____
☐	☒	☐	6. Bare spots? _____
☐	☒	☐	7. Presence of burrowing animals? _____
☐	☒	☐	8. Deep rooted vegetation? _____
☐	☒	☐	9. Cracking? _____
☐	☒	☐	10. Ponding water? _____
☐	☒	☐	11. Evidence of methane seeps? _____
			12. Other _____
			D. Surface Water
☐	☒	☐	1. Obstruction of flow ditches? _____
☐	☒	☐	2. Erosion of ditches? _____
☒	☐	☐	3. Silt & erosion control? _____
☒	☐	☐	4. Culverts in good condition? _____
☐	☒	☐	5. Evidence of overflow or uncontrolled flow? _____
☒	☐	☐	6. Outfalls in good condition? _____
☐	☐	☒	7. Sedimentation basin/ponds secure? _____
			8. Other _____
			E. Methane Gas Control
☒	☐	☐	1. Does one exist? _____

Site Inspection Form

Yes	No	N/A	
☒	☐	☐	2. Is system active or passive? passive
☐	☒	☐	3. Permanent methane gas probes? _____
☐	☒	☐	4. Locks on monitoring wells? _____
☒	☐	☐	5. Vents in working order? Turbines need oiled
☒	☐	☐	6. Well seals in place? _____
☐	☐	☐	7. Methane levels within LEL limits? See Comments
☒	☐	☐	8. Monitoring reports current? 04/14/10 - sampled
			9. Other _____

F. Leachate Collection System

☒	☐	☐	1. Does one exist? _____
			2. Collection method:
☒	☐	☐	a. Sump? 2
☐	☐	☒	b. Well point? _____
☐	☐	☒	c. Earthen basin/pond? _____
☐	☐	☒	d. Structure secured? _____
			e. Other _____
			3. Pumping system:
☒	☐	☐	a. Automatic? _____
☐	☐	☒	b. Manual? _____
☒	☐	☐	c. Mechanically operable? _____
☐	☒	☐	d. Leaks/failures? _____
			4. Disposals:
☐	☒	☐	a. Onsite pretreatment/treatment? _____
☐	☒	☐	b. Surface discharge? (NPDES/SPDES) _____
☐	☒	☐	c. POTW – hardpiped? _____
☐	☐	☒	d. Quick disconnect caps in place? _____
			5. Transportation (if any):
☐	☐	☒	a. Chemicals? _____
☐	☐	☒	b. Filter cake? _____
☒	☐	☐	6. Ancillary equipment in good condition? (Pipes, valves, pumps, vaults, instruments and etc.) _____
☒	☐	☐	7. Monitoring reports current? _____
			8. Other _____

G. Groundwater Monitoring & Recovery Wells (if any)

☒	☐	☐	1. Locks on wells? _____
☒	☐	☐	2. Wells in good condition? _____
☒	☐	☐	3. Well seals in good condition? _____
☒	☐	☐	4. Access to wells? _____
☒	☐	☐	5. Monitoring reports current? _____
			6. Other _____

Site Inspection Form

Yes	No	N/A	
			H. Treatment Plant
☐	☐	☒	1. Building in good condition? (Doors, windows, wells, roof) _____
☐	☐	☒	2. Visual tank inspection performed? _____
☐	☐	☒	3. Visual inspection of pipes, valves, fittings etc.? _____
☐	☐	☒	4. Pump operation/inspection performed? _____
☐	☐	☒	5. Instruments operation/calibration? _____
☐	☐	☒	6. Mixer operation/inspection? _____
☐	☐	☒	7. Proper personal protection equipment? _____
☐	☐	☒	8. Air compressor system functioning properly? _____
☐	☐	☒	9. Filter press inspected? _____
☐	☐	☒	10. Emergency generator functioning properly? _____
			I. Polymeric Marine Mattress (PMM)
☐	☐	☒	1. Damage due to burrowing animals? _____
☐	☐	☒	2. Damage due ice and/or ice flowages? _____
☐	☐	☒	3. Impacts or damage due to the periodic dredging of the Buffalo River? _____
☐	☐	☒	4. Impacts or damage due to navigation activities in the Buffalo River? _____
☐	☐	☒	5. Establishment of woody plant growth causing displacement or stress on the system? _____
☐	☐	☒	6. Areas of settlement or displacement of the system? _____
☐	☐	☒	7. Erosion at the upstream and downstream limits of the system? _____
☐	☐	☒	8. Damage to the stone infill adjacent to Outfall #006 and the concrete wall/sheet pile along the upstream limit of the system? _____
☐	☐	☒	9. Damage to the stone infill within the marine mattresses? _____
☐	☐	☒	10. Damage to the general integrity of the system (Look for splits, cuts and gaps)? _____

J. General Comments

Gary Melnyk & Dave Szymanski, NYSDEC, attended inspection. Combined comments by both people were: 1) Passive turbines need oiled. 2) Gas sample port casing sinking into ground unable to close cap. 3) Beaver huts prevailant (good issue). Gas readings from 04/14/10 gas sampling were as follows:

GV-1: LEL=0, CH4=0%, O2=20.3%, LEL CH4=0%

GV-2: LEL=10, CH4=.2%, O2=20.6%, LEL CH4=5%

GV-3: LEL=0, CH4=0%, O2=20.3%, LEL CH4=0%

Ground 1 (Located new NW corner adjacent to the shed): LEL=0, CH4=0%, O2=20.8%, LEL CH4=0%

Ground 2 (Located on West side near sump #3): LEL=0, CH4=0%, O2=20.8%, LEL CH4=0%

Ground 3 (Located at SE corner near lift station): LEL=0, CH4=0%, O2=20.8%, LEL CH4=0%

Ground 4 (Located near NE corner of landfill): LEL=0, CH4=0%, O2=20.8%, LEL CH4=0%

Sump #1: LEL=0, CH4=0%, O2=20.8%, LEL CH4=0%

Sump #2: LEL=0, CH4=0%, O2=20.8%, LEL CH4=0%

Sump #3: LEL=0, CH4=0%, O2=20.8%, LEL CH4=0%

Sump #4: LEL=0, CH4=0%, O2=20.8%, LEL CH4=0%

The equipment used for the gas readings was - Landtec GEM - 2000/2000+ Methane gas detector Pine Serial # 14980 MSA 5 gas LEL meter.

Date: 04/22/2010

CH2MHILL

Site Inspection Form

Site Name: Alltift
Project Number: 30130
Date: 08/16/10

Weather: 80 degrees, sunny
Assessment by: Scott Sayles

Yes	No	N/A	
			A. Security
☒	☐	☐	1. Does fence exist? _____
☐	☒	☐	2. Is there a breach in fence? _____
☒	☐	☐	3. Locks on gate? _____
☒	☐	☐	4. Posted signs? _____
☐	☒	☐	5. Signs of trespassers/vandalism? _____
			6. Other _____
			B. General Site Conditions
☐	☒	☐	1. Vegetation stress? _____
☐	☒	☐	2. Mowing required? _____
☒	☐	☐	3. Access road drivable? _____
☐	☒	☐	4. Odors? _____
			5. Other _____
			C. Cap Inspection
☐	☒	☐	1. Exposed waste? _____
☒	☐	☐	2. Side slope stable? _____
☐	☒	☐	3. Erosion? _____
☐	☒	☐	4. Leachate seeps (discolored vegetation)? _____
☒	☐	☐	5. Synthetic liner exposed? _____
☐	☒	☐	6. Bare spots? _____
☐	☒	☐	7. Presence of burrowing animals? _____
☐	☒	☐	8. Deep rooted vegetation? _____
☐	☒	☐	9. Cracking? _____
☐	☒	☐	10. Ponding water? _____
☐	☒	☐	11. Evidence of methane seeps? _____
			12. Other _____
			D. Surface Water
☐	☒	☐	1. Obstruction of flow ditches? _____
☐	☒	☐	2. Erosion of ditches? _____
☒	☐	☐	3. Silt & erosion control? _____
☒	☐	☐	4. Culverts in good condition? _____
☐	☒	☐	5. Evidence of overflow or uncontrolled flow? _____
☒	☐	☐	6. Outfalls in good condition? _____
☐	☐	☒	7. Sedimentation basin/ponds secure? _____
			8. Other _____
			E. Methane Gas Control
☒	☐	☐	1. Does one exist? _____

Site Inspection Form

Yes	No	N/A	
☒	☐	☐	2. Is system active or passive? passive
☐	☒	☐	3. Permanent methane gas probes? _____
☐	☒	☐	4. Locks on monitoring wells? _____
☒	☐	☐	5. Vents in working order? _____
☒	☐	☐	6. Well seals in place? _____
☐	☒	☐	7. Methane levels within LEL limits? See Comments
☒	☐	☐	8. Monitoring reports current? 03/02/10 - sampled
			9. Other _____
			F. Leachate Collection System
☒	☐	☐	1. Does one exist? _____
			2. Collection method:
☒	☐	☐	a. Sump? 2
☐	☐	☒	b. Well point? _____
☐	☐	☒	c. Earthen basin/pond? _____
☐	☐	☒	d. Structure secured? _____
			e. Other _____
			3. Pumping system:
☒	☐	☐	a. Automatic? _____
☐	☐	☒	b. Manual? _____
☒	☐	☐	c. Mechanically operable? _____
☐	☒	☐	d. Leaks/failures? _____
			4. Disposals:
☐	☒	☐	a. Onsite pretreatment/treatment? _____
☐	☒	☐	b. Surface discharge? (NPDES/SPDES) _____
☐	☒	☐	c. POTW – hardpiped? _____
☐	☐	☒	d. Quick disconnect caps in place? _____
			5. Transportation (if any):
☐	☐	☒	a. Chemicals? _____
☐	☐	☒	b. Filter cake? _____
☒	☐	☐	6. Ancillary equipment in good condition? (Pipes, valves, pumps, vaults, Instruments and etc.) _____
☒	☐	☐	7. Monitoring reports current? _____
			8. Other _____
			G. Groundwater Monitoring & Recovery Wells (if any)
☒	☐	☐	1. Locks on wells? _____
☒	☐	☐	2. Wells in good condition? _____
☒	☐	☐	3. Well seals in good condition? _____
☒	☐	☐	4. Access to wells? _____
☒	☐	☐	5. Monitoring reports current? _____
			6. Other _____

Site Inspection Form

Yes	No	N/A	
			H. Treatment Plant
☐	☐	☒	1. Building in good condition? (Doors, windows, wells, roof) _____
☐	☐	☒	2. Visual tank inspection performed? _____
☐	☐	☒	3. Visual inspection of pipes, valves, fittings etc.? _____
☐	☐	☒	4. Pump operation/inspection performed? _____
☐	☐	☒	5. Instruments operation/calibration? _____
☐	☐	☒	6. Mixer operation/inspection? _____
☐	☐	☒	7. Proper personal protection equipment? _____
☐	☐	☒	8. Air compressor system functioning properly? _____
☐	☐	☒	9. Filter press inspected? _____
☐	☐	☒	10. Emergency generator functioning properly? _____
			I. Polymeric Marine Mattress (PMM)
☐	☐	☒	1. Damage due to burrowing animals? _____
☐	☐	☒	2. Damage due ice and/or ice flowages? _____
☐	☐	☒	3. Impacts or damage due to the periodic dredging of the Buffalo River? _____
☐	☐	☒	4. Impacts or damage due to navigation activities in the Buffalo River? _____
☐	☐	☒	5. Establishment of woody plant growth causing displacement or stress on the system? _____
☐	☐	☒	6. Areas of settlement or displacement of the system? _____
☐	☐	☒	7. Erosion at the upstream and downstream limits of the system? _____
☐	☐	☒	8. Damage to the stone infill adjacent to Outfall #006 and the concrete wall/sheet pile along the upstream limit of the system? _____
☐	☐	☒	9. Damage to the stone infill within the marine mattresses? _____
☐	☐	☒	10. Damage to the general integrity of the system (Look for splits, cuts and gaps)? _____

J. General Comments

The DEC did not attend the inspection. Eugene Melnyk and David Slymanski contacted by email on 3/12/10. i

Scott Hayles 8/16/10

Site Inspection Form

Site Name: Alltift
Project Number: 30130
Date: 10/27/10

Weather: Sunny 52 degrees
Assessment by: Scott Sayles

Yes	No	N/A	
			A. Security
☒	☐	☐	1. Does fence exist? _____
☐	☒	☐	2. Is there a breach in fence? _____
☒	☐	☐	3. Locks on gate? _____
☒	☐	☐	4. Posted signs? _____
☐	☒	☐	5. Signs of trespassers/vandalism? _____
			6. Other _____
			B. General Site Conditions
☐	☒	☐	1. Vegetation stress? _____
☐	☒	☐	2. Mowing required? _____
☒	☐	☐	3. Access road drivable? _____
☒	☐	☐	4. Odors? _____
			5. Other _____
			C. Cap Inspection
☐	☒	☐	1. Exposed waste? _____
☒	☐	☐	2. Side slope stable? _____
☐	☒	☐	3. Erosion? _____
☐	☒	☐	4. Leachate seeps (discolored vegetation)? _____
☐	☒	☐	5. Synthetic liner exposed? _____
☐	☒	☐	6. Bare spots? _____
☐	☒	☐	7. Presence of burrowing animals? _____
☐	☒	☐	8. Deep rooted vegetation? _____
☐	☒	☐	9. Cracking? _____
☐	☒	☐	10. Ponding water? _____
☐	☒	☐	11. Evidence of methane seeps? _____
			12. Other _____
			D. Surface Water
☐	☒	☐	1. Obstruction of flow ditches? _____
☐	☒	☐	2. Erosion of ditches? _____
☒	☐	☐	3. Silt & erosion control? _____
☒	☐	☐	4. Culverts in good condition? _____
☐	☒	☐	5. Evidence of overflow or uncontrolled flow? _____
☒	☐	☐	6. Outfalls in good condition? _____
☐	☐	☒	7. Sedimentation basin/ponds secure? _____
			8. Other _____
			E. Methane Gas Control
☒	☐	☐	1. Does one exist? _____

Site Inspection Form

Yes	No	N/A	
☐	☐	☐	2. Is system active or passive? active
☐	☒	☐	3. Permanent methane gas probes? _____
☒	☐	☐	4. Locks on monitoring wells? _____
☒	☐	☐	5. Vents in working order? _____
☒	☐	☐	6. Well seals in place? _____
☒	☐	☐	7. Methane levels within LEL limits? _____
☒	☐	☐	8. Monitoring reports current? _____
			9. Other _____
			F. Leachate Collection System
☒	☐	☐	1. Does one exist? _____
			2. Collection method:
☒	☐	☐	a. Sump? 2
☐	☐	☒	b. Well point? _____
☐	☐	☒	c. Earthen basin/pond? _____
☐	☐	☒	d. Structure secured? _____
			e. Other _____
			3. Pumping system:
☒	☐	☐	a. Automatic? _____
☒	☐	☐	b. Manual? _____
☒	☐	☐	c. Mechanically operable? _____
☐	☒	☐	d. Leaks/failures? _____
			4. Disposals:
☐	☐	☒	a. Onsite pretreatment/treatment? _____
☐	☐	☒	b. Surface discharge? (NPDES/SPDES) _____
☒	☐	☐	c. POTW – hardpiped? _____
☐	☐	☒	d. Quick disconnect caps in place? _____
			5. Transportation (if any):
☐	☐	☒	a. Chemicals? _____
☐	☐	☒	b. Filter cake? _____
☒	☐	☐	6. Ancillary equipment in good condition? (Pipes, valves, pumps, vaults, instruments and etc.) _____
☐	☐	☒	7. Monitoring reports current? _____
			8. Other _____
			G. Groundwater Monitoring & Recovery Wells (if any)
☒	☐	☐	1. Locks on wells? _____
☒	☐	☐	2. Wells in good condition? _____
☒	☐	☐	3. Well seals in good condition? _____
☒	☐	☐	4. Access to wells? _____
☒	☐	☐	5. Monitoring reports current? _____
			6. Other _____

Site Inspection Form

Yes	No	N/A	
		☒	**H. Treatment Plant**
☐	☐	☒	1. Building in good condition? (Doors, windows, wells, roof) _____
☐	☐	☒	2. Visual tank inspection performed? _____
☐	☐	☒	3. Visual inspection of pipes, valves, fittings etc.? _____
☐	☐	☒	4. Pump operation/inspection performed? _____
☐	☐	☒	5. Instruments operation/calibration? _____
☐	☐	☒	6. Mixer operation/inspection? _____
☐	☐	☒	7. Proper personal protection equipment? _____
☐	☐	☒	8. Air compressor system functioning properly? _____
☐	☐	☒	9. Filter press inspected? _____
☐	☐	☒	10. Emergency generator functioning properly? _____
			I. Polymeric Marine Mattress (PMM)
☐	☐	☒	1. Damage due to burrowing animals? _____
☐	☐	☒	2. Damage due ice and/or ice flowages? _____
☐	☐	☒	3. Impacts or damage due to the periodic dredging of the Buffalo River? _____
☐	☐	☒	4. Impacts or damage due to navigation activities in the Buffalo River? _____
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☐	☐	☒	9. Damage to the stone infill within the marine mattresses? _____
☐	☐	☒	10. Damage to the general integrity of the system (Look for splits, cuts and gaps)? _____

J. General Comments

Eugene Melnyk from theDEC on site. Common reed (phragmites) taking hold.