APPENDIX H

CQAP
CONSTRUCTION QUALITY ASSURANCE PLAN
ONONDAGA LAKE
SEDIMENT MANAGEMENT SYSTEM CONSTRUCTION

Prepared for
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AUGUST 2011
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<th>Description</th>
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<tr>
<td>CHASP</td>
<td>Construction Health and Safety Plan</td>
</tr>
<tr>
<td>CM</td>
<td>Parsons Construction Manager</td>
</tr>
<tr>
<td>CQA</td>
<td>Construction Quality Assurance</td>
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<td>Construction Quality Assurance Plan</td>
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<td>NPL</td>
<td>Nation Priorities List</td>
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<td>Quality Assurance/Quality Control</td>
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<td>Record of Decision</td>
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<td>Sediment Consolidation Area</td>
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<td>SOW</td>
<td>Statement of Work</td>
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SECTION 1

INTRODUCTION

1.1 PURPOSE

This Construction Quality Assurance Plan (CQAP) presents the procedures and protocols to ensure that the construction of the Sediment Management System is executed in accordance with the approved design. This CQAP has been prepared on behalf of Honeywell International Inc. (Honeywell) and is based on design set forth by Honeywell.

1.2 BACKGROUND

The Onondaga Lake Sediment Management Final Design (Parsons, 2011) has been prepared on behalf of Honeywell. The Final Design Report provides the final design evaluation for the Onondaga Lake Remediation components pertaining to the conveyance and management of dredged sediments from the lake. The lake bottom is on the New York State Registry of Inactive Hazardous Waste Sites and is part of the Onondaga Lake National Priorities List (NPL) Site. Honeywell entered into a Consent Decree (United States District Court, Northern District of New York, 2007) (89-CV-815) with the NYSDEC to implement the selected remedy for Onondaga Lake as outlined in the ROD issued on July 1, 2005. The following documents are appended to the Consent Decree: ROD, Explanation of Significant Differences, SOW, and Environmental Easement.

1.3 REPORT ORGANIZATION

This CQAP is organized into five sections and three attachments. The remedial action objectives, site location, and description are presented in Section 1. The definitions relative to the Quality Management System are defined in Section 2. Project management, including roles and responsibilities of the project team, chain of command, communication, and meetings, is presented in Section 3. Construction oversight tasks, which will ensure construction quality, such as inspections, Quality Assurance/Quality Control (QA/QC) testing, and documentation are presented as Section 4. References are included in Section 5.

Sample copies of construction documentation forms are provided in Attachment A. A Field Change Form is presented as Attachment B.

1.4 PROJECT DESCRIPTION

This CQAP pertains to construction of the Sediment Management System that will be constructed to convey and dewater sediments that will be dredged hydraulically from the remediation areas (RAs) within Onondaga Lake. The dredged sediment will be
conveyed hydraulically, as slurry, from the lake to the SCA (located on Wastebed 13) utilizing a series of booster pumps.

Once at the SCA, the dredge slurry will be passed through a screening process, which is designed to enhance the geotextile tube dewatering process, the primary method of sediment dewatering.

Following the screening step, the slurry may undergo polymer injection, which will precondition the slurry for dewatering within the tubes.

Next, the dredged sediment will be discharged into geotextile tubes for final dewatering. The geotextile tubes will be managed within the lined SCA, which will collect and manage water discharged from the geotextile tubes. Details pertaining to the design of the SCA are presented in the Onondaga Lake SCA Civil and Geotechnical Final Design (Parsons and Geosyntec, 2010).

The geotextile tube filtrate and precipitation coming into contact with filling tubes or dredged sediment (herein referred to as contact water) will be collected and routed to the WTP for treatment (metals, volatile organic compound [VOC]/semi-volatile organic compound [SVOC]/total suspended solids [TSS] removal) prior to discharge to Onondaga County Metropolitan Wastewater Treatment Plant (Metro) for ammonia removal.
SECTION 2

DEFINITIONS AND USE OF TERMS

2.1 DEFINITIONS RELATING TO CQC/QA

Generally, construction quality assurance and construction quality control are defined as follows:

- **Construction Quality Control (CQC)** - Planned system of inspections and testing taken by the contractor to monitor and control the characteristics of an item or service in relation to contractual and regulatory requirements.

- **Construction Quality Assurance (CQA)** - The planned and systematic means and actions that provide Honeywell and the permitting agency adequate confidence that materials and/or services meet contractual and regulatory requirements and will perform satisfactorily in service.

In the context of this document:

- CQC refers to those actions taken by the contractor to determine compliance of the materials and workmanship of the Sediment Management System construction with the requirements of the design.

- CQA refers to means and actions employed by the CQA Manager to assess conformity of the various components of the Sediment Management System construction with the requirements of the approved design.

Roles and responsibilities of the Sediment Management System Construction Team relating to the CQA/CQC tasks are described in the next section.
SECTION 3

PROJECT MANAGEMENT

3.1 ROLES AND RESPONSIBILITIES

Construction of the Sediment Management System is a concerted effort between NYSDEC and Honeywell. Each entity plays a key role and has responsibilities necessary to execute the project in accordance with the ROD, Consent Decree, Final Design, and Contract Documents. An established chain of command is essential for communication and decisive decision making. Roles and responsibilities of the team members and agencies are described below. Key contact information is presented in Table 3.1.

3.1.1 Agencies

Lead Agency: The NYSDEC is the lead agency for the construction. The NYSDEC will designate a Project Manager for the construction. The NYSDEC’s Project Manager participates in progress meetings and provides regulatory approval for changes to the approved design. The NYSDEC’s Project Manager both conducts and participates in public meetings, as necessary, and is the point of contact for public questions and concerns.

Other Parties: The USEPA, Onondaga County, the Towns of Camillus and Geddes, New York State Department of Transportation, New York State Department of Agriculture and Markets, and CSX Rail are parties of interest to the project. They provide design comments to the project team through NYSDEC. Honeywell, Parsons, and Anchor QEA interact with these other parties on construction-related issues.

3.1.2 Honeywell

Honeywell, as the Owner, is ultimately responsible for implementing the construction in accordance with the Consent Decree (United States District Court, Northern District of New York, 2007) (89-CV-815). Mr. John McAuliffe is Honeywell’s Program Director and the contact with the NYSDEC for overall Onondaga Lake issue. Honeywell’s Program Director attends public meetings and specific construction meetings, and reviews documents prior to submission to the NYSDEC. Mr. Larry Somer is Honeywell’s Remediation Design & Construction Manager and will manage the Sediment Management System construction. Honeywell’s Remediation Design & Construction Manager reports to Honeywell’s Program Director and to Honeywell’s Director of Remediation Design & Construction, William Hague.

3.1.3 Parsons

Parsons has developed the design for the Sediment Management System and Parsons will implement the construction, on behalf of Honeywell. Key personnel on
Parsons’ team will consist of a Project Manager, a Construction Manager, and a Project Engineer.

3.1.3.1 Project Manager

Parsons Project Manager (PM) serves as Honeywell’s on-site representative. The PM is responsible for ensuring that construction is completed in accordance with the Contract Documents and approved Final Design. The PM will interface directly with Honeywell, NYSDEC, the Construction Manager, the Project Engineer, and the CQA Manager as necessary.

The PM has the following specific duties:

- Provide centralized leadership for project activities
- Interpret and plan the overall work effort
- Communicate directly with the Construction Manager, CQA Manager, and Project Engineer for project needs
- Ensure that QA/QC activities are conducted
- Define personnel and equipment requirements and secure resource commitments
- Monitor the financial status of the project, negotiate change orders, and submit pay applications
- Orchestrate and participate in meetings as required
- Maintain overall project safety standards

3.1.3.2 Parsons Construction Manager

Parsons Construction Manager (CM) is responsible for completion of the construction work. The CM’s project team will consist of, at a minimum, construction personnel and/or, subcontractors, and a Site Health and Safety Officer (SHSO).

The CM has the following specific duties:

- Communicate directly with the PM for project needs
- Implement onsite construction activities and direct the work crew and onsite construction personnel on daily operations
- Conduct weekly progress meetings and attend or conduct other meetings as required
- Procure, contract with, and monitor subcontractors and suppliers as needed
- Establish work budgets and schedules with milestones
- Ensure that documentation is submitted to the Project Engineer as required in the Contract Documents
- Maintain construction quality and safety standards
The full-time on-site SHSO is responsible for implementation of the Construction Health and Safety Plan (CHASP). The SHSO has the following specific duties:

- Ensure that site personnel possess necessary training and medical surveillance
- Conduct daily safety meetings with the workers
- Establish work zones and relocating zones as necessary
- Determine personnel protective equipment requirements for specific work tasks and order any changes based on work area monitoring data
- Ensure work is performed in compliance with the HASP and applicable regulations
- Coordinate air monitoring program with portfolio-wide program and ensure data is properly reported
- Perform routine safety inspections
- Report and lead accidents or incidents investigations

3.1.3.3 Project Engineer

The Project Engineer is responsible for providing engineering support, interpretation of the design, and implementation of QC. The Project Engineer will work with the Design Engineer on issues that require engineering interpretation related to the design. The CQC Manager reports to the Project Engineer. The Project Engineer is responsible for managing submittal review and submittal of appropriate submittals to the Design Engineer and the CQA Manager.

Design Engineer

The Design Engineer will provide engineering support as needed and review construction submittals that require engineering interpretation. The Design Engineer will be or work under the direct supervision of a New York State licensed Professional Engineer. If modifications to the approved Final Design are necessary, approval by the Design Engineer is required. The Design Engineer for the slurry pipeline and slurry processing system is David Steele, P.E. of Parsons. The Design Engineer for the SCA basins is Dr. Jay Beech, P.E. of Geosyntec Consultants (Geosyntec).

CQC Manager

The CQC Manager is responsible for implementing quality control activities, documenting daily construction work, monitoring the compliance of materials, and confirming that workmanship is in accordance with the requirements of the Final Design as well as conducting CQC testing (or working with independent testing subcontractor).
The CQC Manager or the CQC Manager’s representative will be on-site full-time during construction and will perform the following:

- Complete QC activities including, monitoring, and documenting daily construction work, monitoring the compliance of materials, and confirming that workmanship is in accordance with the requirements of the Final Design.
- Perform on-site and offsite QC testing and documentation of materials as required.
- Perform additional QC testing, if required by the Project Engineer and/or Honeywell.
- Conduct routine inspections, document the work, and communicate with the PM, the CM, and the Project Engineer on a day-to-day basis.
- Complete a daily summary report, field logs, photographic documentation, and, if necessary, reports of problem identification and corrective measures taken.
- Maintain record drawings (redlines) tracking approved design changes or field changes.

3.1.3 Anchor QEA

Anchor QEA will perform CQA for the Sediment Management System construction as an independent 3rd party, reporting directly to Honeywell. Anchor QEA’s team will be led by a CQA Manager, who will be supported by field engineers and inspectors. The CQA Manager will be a New York State licensed Professional Engineer. Anchor QEA and the CQA Manager will have a line of reporting direct to Honeywell.

The CQA Manager will visit the site to observe construction activities on a periodic basis. The CQA Manager will attend construction meetings; review construction submittals; and coordinate with Honeywell representatives. Reporting will include a daily summary report, field logs, photographic documentation, and, if necessary, reports of problem identification and corrective measures taken.

3.2 CHAIN OF COMMAND AND COMMUNICATION

The NYSDEC is the lead agency for the project. Once approved and the work starts, Honeywell ultimately controls the work in terms of its contractors, the project schedule, sequencing, and means and methods as long as the work is conducted in accordance with the approved design.

The chain of command on-site starts with the PM. Issues or concerns from the NYSDEC will be channeled through the PM. During construction, the PM will be in direct communication with the NYSDEC and Honeywell’s Remediation Design & Construction Manager. To minimize confusion and miscommunication, NYSDEC,
other agencies, and the media will not communicate directly with the CM or subcontractors.

NYSDEC, Honeywell, the PM, or any other project personnel may immediately stop work if a condition is observed that threatens the safety of an on-site worker. However, if the work is being conducted safely and in accordance with the approved Final Design and Contract Documents, only the PM and Honeywell have authority to stop work. NYSDEC or other agencies can communicate directly with the PM regarding a specific issue. If it is agreed by the agencies and the PM that work must be stopped to rectify the issue, the PM is to communicate directly with the CM.

Changes to the approved Final Design will require approval by the Design Engineer, a Contractor Representative, Owner, and NYSDEC Representative, prior to the change being implemented. Material substitutions (i.e., “or equals”) and determinations associated with construction means and methods are not considered a design change and will be approved by the Project Engineer as part of the technical submittal review process.

3.3 Meetings

3.3.1 Construction Kickoff Meeting

Following approval of the Final Design, PM is to conduct a Construction Kickoff Meeting scheduled for the Project Team. Meeting attendees include Representatives from NYSDEC, Honeywell, CM, Design Engineer, Project Engineer, the CQC Manager, and the CQA Manager. At a minimum, the meeting agenda includes the planned construction activities, construction means and methods, site safety, roles and responsibilities, and should include a site walk.

3.3.2 Progress Meetings

The CM is to conduct progress meetings on a weekly basis to discuss the prior week’s completed work and the next week’s anticipated work. The NYSDEC representative, the PM, CM, Project Engineer, the CQC Manager, and the CQA Manager will participate, at a minimum. The agency’s issues will be raised and addressed during the meeting. One weekly meeting will be substituted by a monthly meeting for which a larger audience of Honeywell and agency personnel will be invited to participate. A brief project summary will be provided at the monthly meeting.

3.3.3 Deficiency Meetings

A special meeting will be held when and if a problem or deficiency is present or likely to occur. The meeting will be attended by the PM, the CM, the Subcontractor, the CQA Manager, and other parties as appropriate. If the problem requires a design modification, the Design Engineer should either be present at, consulted prior to, or notified immediately upon conclusion of this meeting. The purpose of the work deficiency meeting is to define and resolve the problem or work deficiency as follows:
- Define and discuss the problem or deficiency
- Review alternative solutions
- Select a suitable solution agreeable to all parties
- Implement an action plan to resolve the problem or deficiency

The Project Engineer will appoint one attendee to record the discussions and decisions of the meeting. The meeting record will be documented in the form of meeting minutes and copies will be distributed to all affected parties. A copy of the minutes will be retained in facility records.

3.3.4 Construction Completion Meeting

Following substantial completion of the Sediment Management System construction, the project team will conduct a Construction Completion Meeting to discuss the final punch list, site operation, maintenance, monitoring, and project completion issues.
TABLE 3.1  
KEY CONTACT LIST

NEW YORK STATE DEC

Project Manager
Mr. Timothy Larson, Project Manager  
NYS Dept. of Environmental Conservation  
625 Broadway  
Albany, NY 12233-7013  
Phone: (518) 402-9789  
Fax: (518) 402-9020  
Email: tjlarson@gw.dec.state.ny.us

U.S. ENVIRONMENTAL PROTECTION AGENCY

Remedial Project Manager
Mr. Robert Nunes  
U.S. Environmental Protection Agency, Region II  
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New York, NY 10007-1866  
Phone: (212) 637-4254  
Fax: (212)-637-3966  
Email: nunes.robert@epa.gov

HONEYWELL, INC.

Program Director
John McAuliffe  
Honeywell Inc.  
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Syracuse, NY 13212  
Phone: (315) 552-9782  
Fax: (315) 552-9780  
Email: John.McAuliffe@honeywell.com

Director of Remediation Design & Construction
William J. Hague, P.E.  
Honeywell Inc.  
101 Columbia Road  
Morristown, NJ 07962  
Phone: (973) 455-2175
Fax: (973) 455-3082
Email: William.Hague@honeywell.com
## TABLE 3.1
### KEY CONTACT LIST (CONT.)

**HONEYWELL, INC. (Cont.)**

Remediation Design & Construction Manager  
Larry Somer  
Honeywell Inc.  
301 Plainfield Road, Suite 330  
Syracuse, NY 13212  
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Fax: (315) 552-9780  
Email: Larry.Somer@honeywell.com

**PARSONS**

Project Manager  
Paul Blue, P.E.  
Parsons  
301 Plainfield Road, Suite 350  
Syracuse, NY 13212  
Phone: (315) 451-9560  
Fax: (315) 451-9570  
Email: paul.blue@parsons.com

**ANCHOR QEA**

Quality Assurance Manger  
Mr. Joseph Detor, P.E.  
Anchor QEA  
290 Elwood Davis Road, Suite 340  
Liverpool, NY 13088  
Phone: (315) 453-9009  
Fax: (315) 453-9010  
Email: joe.detor@anchorqea.com
SECTION 4
CONSTRUCTION OVERSIGHT

4.1 INSPECTIONS

Members of the project team will conduct site inspections at various stages of the construction to ensure consistent quality is maintained. The CQC Manager, or representatives, will conduct inspections of representative work areas on a daily basis. NYSDEC and the other agencies are free to conduct inspections during any work hour period. Inspections by the CQA Manager, Project Engineer, and regulatory agencies are intended to augment, not replace, the CQC Manager’s inspections required by the Contract Documents and good practice.

4.1.1 Routine Work Inspections

The CQC Manager will conduct routine inspections of specific work elements, including:

- Civil construction
- Mechanical construction
- Electrical and instrumentation & control construction.

In addition to these specific work elements, the CQC Manager will periodically inspect the overall site condition. Overall site condition items include field trailer, parking lot, access roads, soil erosion and sediment control measures, security fence/gate(s), and survey markings.

4.1.2 Pre-Final and Final Inspections

Following notification of substantial completion by the CM, the PM, Project Engineer, CQC Manager, and the CQA Manager will conduct a pre-final inspection of the site. A final written work punchlist will be prepared by the inspector Project Engineer for submittal to the CM. The final punch list will enable the CM to understand the project completion expectations and schedule work activities, including demobilization. Once punch list items have been addressed by the CM and approved by the PM in writing, a final inspection will be conducted. Upon written NYSDEC approval, construction activities will be considered completed and the demobilization will be conducted.
4.2 CONSTRUCTION QUALITY CONTROL AND QUALITY ASSURANCE

CQA/QC is part of ensuring the construction is completed in accordance with the Final Design. CQC will be performed by the CQC Manager. CQA will be performed by the CQA Manager.

4.2.1 Construction Quality Control

General categories of CQC for the major disciplines of construction are described below. The CQC Manager will retain results of CQC testing, installation logs and data on-site and summarize results in the daily reports.

Civil Construction – Civil construction will consist of earthwork to prepare areas for mechanical and electrical and instrumentation & controls construction. Earthwork will primarily consist of imported fill placement and some paving. CQC applicable to civil construction includes testing of imported materials and performance testing of installation work (e.g., compaction testing).

Mechanical Construction – Mechanical construction includes installing mechanical equipment and piping. CQC applicable to mechanical construction includes factory testing of equipment and performance testing of installation work (e.g., hydrostatic testing).

Electrical and Instrumentation & Control Construction – Electrical and Instrumentation & Control construction includes installing electrical power infrastructure, connecting power to equipment, installing instrumentation, and establishing the control system. CQC applicable to electrical and instrumentation & control construction includes factory testing of materials and performance testing of installation work (e.g., continuity tests of wiring and system startup tests).

4.2.2 Construction Quality Assurance

For the Sediment Management System construction, CQA activities will consist of periodic observations of construction activities, review of construction submittals; and communication with Parsons and Honeywell representatives. CQA reporting will include a daily summary report, field logs, photographic documentation, and, if necessary, reports of problem identification and corrective measures taken.

4.3 TECHNICAL SUBMITTAL REVIEW

The CM is required to prepare a schedule of submittals and meet the submittal requirements as stated in the Final Design. Construction submittals will be reviewed by the Project Engineer. Submittals requiring engineering interpretation will be reviewed by the Design Engineer.
4.4 DOCUMENTATION

4.4.1 Field Log Book

The CQC Manager and CM will maintain daily field log books for the project. Construction activities will be documented with the following details at a minimum: dates, times, weather conditions, personnel on-site, equipment used, materials used, visitors, health and safety issues, work activities completed, delays, and other construction related issues.

4.4.2 Daily Construction Reports

The CM is responsible for preparing Daily Construction Reports. The Daily Construction Report is the official record of daily production, safety, and work hours, and the regulatory and quality activities of the project. Daily Construction Reports are also the official record of work performance and compliance with Final Design.

The SHSO will provide information to the CM covering the health and safety activities portions of the Daily Report. The CQC Manager will provide information to the CM covering the CQC activities, and CQA/CQC issues, if necessary.

The project team members on the Daily Construction Report distribution should note any discrepancies in the daily report to the CM. Honeywell will review reports and ensure the project is being executed in accordance with the approved design and within budget and schedule.

4.4.3 Photographic Documentation

The CQC Manager will be responsible for obtaining photographic documentation of the construction activities, material installation methods, and testing procedures. Photographs will serve as a pictorial record of work progress, problems, and corrective measures. Photographic reporting data sheets should be utilized to organize and document photographs taken during construction. Such data sheets could be cross-referenced or appended to summary reports, CQC monitoring logs, or test data sheets and/or problem identification and corrective measures reports. The CQA Title will also collect photographic documentation.

4.4.4 Monthly Progress Report

Per the Consent Decree, Honeywell will prepare and submit a monthly progress report to the NYSDEC. The Monthly Progress Report will summarize work activities and other issues pertinent to the construction completion. The PM will assist Honeywell to fulfill this requirement.

4.4.5 Construction Completion Report and Record Drawings

A Construction Completion Report will be prepared by Anchor QEA for the Onondaga Lake project. The Construction Completion Report will meet the requirements for an Interim Remedial Action Report in accordance with the Closeout
Procedures for National Priorities List Sites (EPA 540-R-98-016, OSWER Directive 9320.2-09A-P, January 2000). The construction and operation of the Sediment Management System will be described in that document. The Sediment Management System is expected to have no permanent components. It is expected that the Sediment Management System facilities will be removed upon completion of the Onondaga Lake project. Offsite disposal of contaminated material is not expected. Therefore, components of the Sediment Management System construction expected to be documented in the Onondaga Lake Construction Completion Report include:

- A description of any problems encountered and their resolution
- A description of changes to the design documents and a description as to why the changes were made
- Restoration actions

**4.4.6 Field Changes Form**

Changes to the approved Final Design will require approval by the Design Engineer, a Contractor Representative, Owner, and NYSDEC Representative prior to the change being implemented. Changes will be documented by the Field Change Form. Attachment B presents an example Field Change Form that includes a description and reason for the field change, date, and signatures. Material substitutions (i.e., “or equals”) and determinations associated with construction means and methods are not considered a design change and will be approved by the Project Engineer as part of the technical submittal review process.
SECTION 5

REFERENCES

ATTACHMENT A

SAMPLE FORMS
### MEETING AGENDA

**MEETING DATE:** 10/6/2009  
**PROJECT TITLE:** Willis Groundwater Collection Trench  
**LOCATION:** Willis Site Trailer  
**SUBJECT:** Weekly Meeting Agenda

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<td>NY State Dep, Environ. Conserv</td>
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<td>Stephen A Municco</td>
<td>Parsons</td>
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<tr>
<td>N</td>
<td>SM</td>
<td>Steve Miller</td>
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<tr>
<td>Y</td>
<td>SXX</td>
<td>Jensen Toupou</td>
<td>Peak Environme, LLC</td>
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<tr>
<td>Y</td>
<td>JAC</td>
<td>James A Cooper</td>
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<tr>
<td>V</td>
<td>KOK</td>
<td>Timothy O'Kostedt</td>
<td>Peak Environme, LLC</td>
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<td>N</td>
<td>TMR</td>
<td>Trent N. Rainway</td>
<td>Peak Environme, LLC</td>
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<td>V</td>
<td>WMJ</td>
<td>William Mungress</td>
<td>Peak Environme, LLC</td>
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<td>Safety</td>
<td>O/R</td>
<td>9/22/2009</td>
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<td>a) Safety Moment</td>
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<td></td>
<td>b) Safety review</td>
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<td></td>
<td>c) 2 week JSA look ahead</td>
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<td>0002</td>
<td>Schedule / 2-Week Look Ahead</td>
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<td>Light Weight Fill placement (LWF)</td>
<td>O/R</td>
<td>9/15/2009</td>
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<td></td>
<td>a) LWF receiving</td>
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<td>b) Testing of LWF</td>
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<td>0004</td>
<td>Pump station installation</td>
<td>O/R</td>
<td>9/15/2009</td>
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<td>0005</td>
<td>Collection system installation</td>
<td>O/R</td>
<td>9/15/2009</td>
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## MEETING AGENDA

### Parsons

301 Rainfield Rd  
Suite 350  
Syracuse, NY 13211

<table>
<thead>
<tr>
<th>ITEM</th>
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<th>STATUS</th>
<th>STARTED</th>
<th>CLOSED</th>
<th>DUE</th>
<th>BIC</th>
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</thead>
</table>
| 00006 | Site access and security,  
a) PDQ dock requirements and coordination  
b) Labor status update | OPEN | 01/06/2009 | | |
| 00007 | Submittal log review and update,  
a) QC phase 1 meetings - 2 week look ahead | OPEN | 09/15/2009 | | |
| 00008 | Administrative items  
a) Change order sump relocation | OPEN | 09/21/2009 | | |
CONSTRUCTION QUALITY ASSURANCE PLAN

Material Delivered:

<table>
<thead>
<tr>
<th>Item</th>
<th>Loads</th>
<th>Quantity</th>
<th>Supplier</th>
<th>In Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drainage Gravel</td>
<td>25</td>
<td>100,000</td>
<td>PARSONS</td>
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</tbody>
</table>

Meetings Attended:

Morning Tailgate Meeting

Verification Inspections:

Preparatory
None.

Initial
None.

Follow-Up
None.

Final
None.

Testing Summary:

Rebar tested PASS

Samples Taken:

ATL picks up I90 Warrons road and Lake road geotech samples from 9/29/10. Test America picks up analytical samples from I90 Warrons road.

Submittals:

00111

RFIs:

00023

Issues/Miscellaneous

Issue # | Issue Title
--------|--------------
00002   | Guardrail

QC Photos Taken:

0739 WTP pre-load progress
0740 Granby drainage grave
0741 WTP pre-load progress
0742 Clearing for SCA south berm
0743 East berm progress on hold
0744 Clearing for SCA
0745 Clearing for SCA
0746 Clearing for SCA south berm

QC Manager: Mark Hoffmann  
Date: 10/19/2010
**CONSTRUCTION QUALITY ASSURANCE PLAN**

---

**DAILY REPORT**

No. 00039

**PARSONS**

301 Plainfield Road
Suite 350, 3rd Floor
Syracuse, NY 13212

**Client:** HONEYWELL

**Site Name:** SYRACUSE, NY

---

**General Task(s) Description(s):**

General tasks and descriptions go here.

---

**Parsons Personnel on Site:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steve Smith</td>
<td>Carpenter</td>
</tr>
<tr>
<td>Jennifer Scheller Wunderl</td>
<td>LABOR</td>
</tr>
<tr>
<td>Ulah Smith</td>
<td>Operator Eng</td>
</tr>
<tr>
<td>Jack Smith</td>
<td>QC Manager</td>
</tr>
<tr>
<td>Patty Smith</td>
<td>Safety Officer</td>
</tr>
<tr>
<td>Joan Smith</td>
<td>Survey Tech</td>
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---

**Subcontractors on Site:**

<table>
<thead>
<tr>
<th>Subcontractor:</th>
<th># Personnel</th>
<th>Trade/Title</th>
<th>Total Hours</th>
<th>Location/Work Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMILOTT</td>
<td>0</td>
<td>Labor</td>
<td>0.00</td>
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<tr>
<td>SECURITAS</td>
<td>1</td>
<td>Security Guard</td>
<td>10.50</td>
<td>Security, Front Gate</td>
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<tr>
<td>ATLAS FENCE INC</td>
<td>5</td>
<td>Labor</td>
<td>40.00</td>
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---

**Subcontractor's Task(s) Description(s):**

1. Operator, pre-load area stone fill, 10.5 hours (dk)
2. Operator, backfill pre-load area type 4 fill, 10.5 hours (dk)
3. Operator, road maintenance, 10 hours (dk)
4. Operator, pre-load fill, placing separation fabric 4 hours, removing existing preload pad at East Bern, 6 hours (cq)
5. Laborer, pre-load area class 4 fill and stone fill, 11 hours (collect delivery tickets, traffic control etc.) (ss)
6. Laborer, pre-load area fills 10.5 hours (cc)
7. Laborer, pre-load area fills 10 hours (jr) (dd)
8. 175 loads of type 4 fill, no delays offloading, preload area
9. 16 loads of pre-load area stone fill, no delays offloading
10. 1 load of 3’- limestone fill for tire cleaning area on exit roadway, no delays offloading
11. New D61 Dozer and IR Roller arrived on site

**Material Delivered:**

<table>
<thead>
<tr>
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<th>Quantity</th>
<th>Supplier</th>
<th>In Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Doors</td>
<td>500.000</td>
<td>RICCELLI ENTERPRISES, INC.</td>
<td>Yes</td>
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<tr>
<td>REQUEST FOR INFORMATION</td>
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<td></td>
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<tr>
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<td></td>
<td></td>
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<tr>
<td><strong>Project:</strong> Wastebed B/Harbor Brook IRM</td>
<td><strong>Date:</strong> mm/dd/yy</td>
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<tr>
<td><strong>From:</strong> Vendor Name</td>
<td><strong>RFI No.:</strong></td>
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<td>Address</td>
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<td><strong>To:</strong></td>
<td><strong>Ref:</strong></td>
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<tr>
<td><strong>Subject:</strong></td>
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| **Est. Work Impacted:** | |
| **Est. Schedule Impact:** | |
| **Est. Cost Impact:** | |
| **Request Response By:** | |

| **Drawing Reference:** | |
| **Specification Reference:** | |

| **REQUEST:** | |

| **PROPOSED SOLUTION:** | |

| **ANSWER:** | |

| **Signed:** | **Date:** |
| **Printed:** | |
ATTACHMENT B

FIELD CHANGE FORM
SEDIMENT MANAGEMENT CONSTRUCTION
SYRACUSE, NEW YORK

FIELD CHANGE FORM # ___

Page 1 of ___

<table>
<thead>
<tr>
<th>Project Number:</th>
<th>Date:</th>
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</table>

Construction Manager:

Contractor:

You are hereby authorized and instructed to complete the following modifications to the approved Final Design:
### APPROVALS:

**Design Engineer**

<table>
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<th>Name:</th>
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<tbody>
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<td>Signature:</td>
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**Contractor Representative**

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<td>Date:</td>
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**Owner**

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**Agency Representative**

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