September 5, 2012

To: Diane Carlton, NYSDEC, Region 7 (1 PDF)
   Holly Sammon, Onondaga County Public Library (1 bound)
   Samuel Sage, Atlantic States Legal Foundation (1 bound)
   Cara Burton, Solvay Public Library (1 bound)
   Joseph Health, Esq, Onondaga Nation (Lttr)

Re: Letter of Transmittal - Wastebeds 1-8 Repository Addition

The below document has been approved by the New York State Department of Environmental Conservation (NYSDEC) and is enclosed for your document holdings:


Sincerely,

John P. McAuliffe, P.E.
Program Director, Syracuse

Enc.

cc: Tracy Smith - NYSDEC
July 31, 2012

Mr. John P. McAuliffe, P.E.
Honeywell International, Inc.
301 Plainfield Road
Suite 330
Syracuse, NY 13212

Re: Wastebeds 1-8 Integrated IRM Advanced Construction Work Plan

Dear Mr. McAuliffe:

The New York State Department of Environmental Conservation has reviewed the “Wastebeds 1-8 Integrated IRM Advanced Construction Work Plan” (work plan) dated July 19, 2012. Based on our review, the work plan is approved. If you have any questions, please contact me at 518-402-9796.

Sincerely,

Tracy A. Smith

cc: J. Gregg, NYSDEC
    J. Shenandoah
    T. Joyal, Esq.
    G. Laccetti, NYSDOH
    F. Kirshner
    M. Spera, AECOM
    R. Nunes, USEPA
    J. Heath, Esq.
    A. Lowry
    C. Waterman
    D. Crawford, OBG
    M. Sergott, NYSDOH
    R. Quail, NYSDEC
    T. Biel, NYSDEC
    D. Hesler, NYSDEC
    E. Hahn, NYSDEC
July 19, 2012

Mr. Tracy Smith, P.E.
Project Manager
NYSDEC Div. of Environmental Remediation
Remedial Bureau D - 12th Floor
625 Broadway
Albany, NY 12233-7016

RE: Wastebeds 1-8 Integrated IRM Advanced Construction Work Plan
Town of Geddes, Onondaga County, NY

Dear Mr. Smith:

O’Brien & Gere is submitting a final copy of the Wastebeds 1-8 Integrated IRM Construction Work Plan to New York State Department of Environmental Conservation (NYSDEC) for record.

Should you have any questions, please contact Chris Killoren at O’Brien & Gere (315-956-6894) or me at your earliest convenience.

Sincerely,

John McAuliffe
Project Manager

Enc. (1 copy, 1 CD)

cc: Mr. Robert Nunes
Mr. Harry Warner
Mr. Steven Bates
Mr. Geoffrey Laccetti
Margaret A. Sheen, Esq.
Argie Cirillo, Esq.
Brian D. Israel, Esq.
Mr. David Coburn
Joseph J. Heath, Esq.
Thane Joyal, Esq.
Mr. Fred Kirschner
Ms. Jeanne Shenandoah
Mr. Curtis Waterman
Ms. Alma Lowry
Mr. Michael Spera

USEPA (1 copy, 2 CDs)
NYSDEC Region 7 (1 copy, 1 CD)
NYSDOH (1 copy, 1 CD)
NYSDOH (ec or ec ltr only)
NYSDEC, Region 7 (ltr only)
USEPA (ltr only)
Arnold & Porter (ec or CD)
O.C. Office of the Environment (1 copy, 1 CD)
Onondaga Nation (ec ltr only)
Onondaga Nation (ec or CD)
AESE, Inc. (ec or CD)
Onondaga Nation (1 copy and ec ltr only)
Onondaga Nation (ec or CD)
Onondaga Nation (ec ltr only)
AECOM (1 copy, 1 CD)
<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. David Scheuing</td>
<td>AECOM (1 copy, 1 CD)</td>
</tr>
<tr>
<td>Mr. William Hague</td>
<td>Honeywell (ec or CD)</td>
</tr>
<tr>
<td>Mr. Steve Miller</td>
<td>Parsons (CD/ltr only)</td>
</tr>
<tr>
<td>Mr. Thomas Conklin</td>
<td>O'Brien &amp; Gere</td>
</tr>
<tr>
<td>Mr. Bradley Kubiak</td>
<td>O'Brien &amp; Gere (ec or ec ltr only)</td>
</tr>
<tr>
<td>Mr. Douglas M. Crawford</td>
<td>O'Brien &amp; Gere (ec or ec ltr only)</td>
</tr>
<tr>
<td>Mr. Christopher C. Calkins</td>
<td>O'Brien &amp; Gere (ec or ec ltr only)</td>
</tr>
</tbody>
</table>
Onondaga Lake
Wastebeds 1-8 Integrated IRM – Advanced Construction
Town of Geddes, N.Y.

Honeywell

July 19, 2012
I, Brian White, certify that I am currently a NYS registered professional engineer and that this Remedial Action Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).
TABLE OF CONTENTS

Table of Contents................................................................................................................................................................................... iii
List of Appendices ................................................................................................................................................................................... iii
1. Introduction ......................................................................................................................................................................................... 4
   1.1 Summary.......................................................................................................................................................................................... 4
   1.2 Project Background ..................................................................................................................................................................... 4
2. Project Management Staffing ........................................................................................................................................................ 5
3. Health and Safety, Air Quality Monitoring and General Conditions............................................................................. 6
   3.1 Health and Safety ......................................................................................................................................................................... 6
   3.2 Air quality monitoring ............................................................................................................................................................... 7
      3.2.1 Community Air Monitoring Plan .................................................................................................................................... 7
   3.3 General Conditions ...................................................................................................................................................................... 7
      3.3.1 Mobilization ............................................................................................................................................................................ 7
      3.3.2 Site Security ............................................................................................................................................................................ 7
      3.3.3 Clearing and Grubbing ....................................................................................................................................................... 7
4. Erosion and Sediment Control ..................................................................................................................................................... 8
   4.1 Surface Water Protection ......................................................................................................................................................... 8
   4.2 Runoff and Drainage Control .................................................................................................................................................. 8
   4.3 Erosion and Sediment Control ............................................................................................................................................... 8
   4.4 Maintenance and Inspection ................................................................................................................................................... 8
5. Scope of work ....................................................................................................................................................................................... 9
   5.1 Staging Area and Access Path Construction ..................................................................................................................... 9
   5.2 Lower Ditch “A” Work ............................................................................................................................................................... 9
6. Material Handling Plan ................................................................................................................................................................. 10
   6.1 Lower Ditch “A” spoils / Material Generated During Clearing and Grubbing Activities ............................................ 10
7. Construction Water Management ............................................................................................................................................ 11
References ............................................................................................................................................................................................... 11

LIST OF APPENDICES

A   Project Schedule

B   Figure 1 – Overall Plan
1. INTRODUCTION

O’Brien & Gere’s (OBG’s) Construction Work Plan is provided in the subsections that follow. This Construction Work Plan has been prepared to demonstrate OBG’s proposed approach to executing the work activities for Wastebeds 1-8 Integrated IRM – Advanced Construction Project.

1.1 SUMMARY

The remaining sections of this Construction Work Plan are organized as follows:

Section 2 – Project Management Staffing
Section 3 – Health and Safety, Air Quality Monitoring and General Conditions
Section 4 – Erosion and Sediment Control
Section 5 – Scope of Work (Erosion and Sediment Control, Decontamination Stations, Pre-Construction Survey, Clearing and Grubbing, Access Paths (including stabilized construction entrances and turnarounds), Staging Areas, Lower Ditch “A”, etc.)
Section 6 – Material Handling and Characterization Plan
Section 7 – Construction Water Management

1.2 PROJECT BACKGROUND

The 95% Remedial Design Report for the Integrated Interim Remedial Measure (IRM), Mitigation Wetlands, and Remediation Area A Hydraulic Control Area for the Wastebeds 1-8 Site (Site) located in the Town of Geddes, New York was submitted to NYSDEC in April 2012 (O’Brien & Gere 2012a). The Remedial Design was performed pursuant to the Order on Consent (Index # D7-0002-02-08) between Honeywell and the New York State Department of Environmental Conservation (NYSDEC), and in accordance with the NYSDEC-approved Integrated IRM, Mitigation Wetlands and Remediation Area A Hydraulic Control System Work Plan (O’Brien & Gere 2011).

The IRM was developed to mitigate groundwater and seep discharges from the Site to NineMile Creek and Onondaga Lake and mitigate erosion of Solvay waste along the Site’s Onondaga Lake Shoreline. The IRM is documented in the NYSDEC’s Response Action Document (RAD) (NYSDEC and United States Environmental Protection Agency [USEPA] 2011).

In order to meet the objectives set forth in the RAD, the following major remedial components are included in the design:

- Shoreline stabilization systems
- Groundwater and seep collection trenches
- Groundwater pumping stations and associated forcemain piping
- Removal of Solvay waste from lower Ditch “A” and installation of a habitat layer.

In addition to and integrated with the IRM, the design also includes mitigation wetlands and a groundwater hydraulic control system to reduce groundwater upwelling velocities adjacent to Onondaga Lake Remediation Area A. Collectively, these are called the “Integrated IRM.”

This Construction Work Plan is for the advanced construction work, which was developed to facilitate implementation of the Integrated IRM and to maintain the overall Integrated IRM and Onondaga Lake dredging/capping schedules.
2. PROJECT MANAGEMENT STAFFING

Assignments and responsibilities of the project team are summarized in the descriptions below:

2.1 Project Management Staff

NYSDEC PROJECT MANAGER – TRACY SMITH

As the lead regulatory agency, the NYSDEC Project Manager’s functions shall include the following functions:

- Review and approve original designs
- Review project submittals for compliance with regulations
- Issue approval to construct the project once design has been approved
- Review and approve major design modifications or requests for variances from the regulatory conditions during construction.

HONEYWELL DESIGN / CONSTRUCTION MANAGER – STEVE MILLER, P.E.

The Honeywell Design/Construction Manager will provide technical input and attend meetings with project staff and the NYSDEC.

PROJECT OFFICER – BRIAN WHITE, P.E.

The role of the Project Officer is to see that Honeywell’s expectations for project quality, safety, schedule, and performance are met or exceeded. In addition, the Project Officer will periodically attend construction review meetings, and will be available on an as-needed basis to the project team.

PROJECT MANAGER (CONSTRUCTION) – CHRISTOPHER KILLOREN

The Project Manager will manage the procurement and construction phases of the project on a day-to-day basis, monitor and evaluate project controls throughout all phases of the project, and see that the technical and quality objectives established during the design phase of the project are realized in the construction project. The Project Manager will serve as the primary contact between the Honeywell Project Manager and O’Brien & Gere.

ENGINEERING MANAGER – BRAD KUBIAK, P.E.

The primary responsibilities of the Engineering Manager will be to lead engineering activities during the construction phase of this project. The Engineering Manager will attend weekly construction progress update meetings at the request of the Project Manager, and provide shop drawing reviews, respond to request for information, and provide input to value engineering alternatives identified during the construction phase of the project.

HEALTH AND SAFETY MANAGER – STEVEN THOMPSON

The primary responsibilities of the Health and Safety Manager will be to develop, implement and enforce the Site Specific Health and Safety Plan for the project.
3. HEALTH AND SAFETY, AIR QUALITY MONITORING AND GENERAL CONDITIONS

This section summarizes O'Brien & Gere's proposed approach to health and safety, air quality monitoring, and general conditions.

3.1 HEALTH AND SAFETY

As with all O'Brien & Gere projects, safety will be a top priority. Health and safety excellence is a core value of both Honeywell and O'Brien & Gere. O'Brien & Gere believes that all injuries and occupational illnesses, as well as safety and environmental incidents are preventable. We will promote practices for the safe operation of this project and the protection of the environment, employees, and community.

O'Brien & Gere believes that with effective employee involvement, training, project planning and auditing that all accidents are preventable. Training and planning tools, which will be utilized and implemented by O'Brien & Gere safety staff will include the following:

- **Project Job Safety Analysis:**
  O'Brien & Gere will develop a job safety analyses (JSA) for the scope of work associated with this project. The JSA will be reviewed as part of the site orientation training and all direct hire personnel/subcontractors will be required to follow the requirements of the JSA. A project specific Health and Safety Plan (HASP) will be developed for the overall Integrated IRM construction work. This HASP will be in accordance with Honeywell's Syracuse Portfolio Health and Safety Program (HSP²).

- **Subcontractor Safety Pre-Qualifications:**
  Each potential subcontractor that will be working for O'Brien & Gere on this project will be required to submit a completed Honeywell Safety Questionnaire Form for approval by O'Brien & Gere and Honeywell prior to initiating work onsite. O'Brien & Gere holds subcontractors to the same safety standards to which O'Brien & Gere is held accountable.

- **Drug and Alcohol Testing:**
  O'Brien & Gere believes in a drug and alcohol free workplace. Drug and alcohol testing is a condition for work on Honeywell projects covered by the HSP². All employees will participate in a pre-project drug screening prior to beginning work on the project.

- **Pre-Work Health and Safety Kickoff Meeting:**
  A pre-work Health and Safety kickoff meeting will be scheduled with the project team.

- **Site Orientation Training:**
  Personnel working on this project will be required to attend a site orientation training session administered by O'Brien & Gere's safety supervisor prior to engaging in any work activities and/or entering the work zone.

- **Daily Pre-Task Planners and Weekly Toolbox Safety Meetings:**
  Daily safety talks are documented utilizing a Daily Pre-Task Planner form found in the Honeywell Syracuse Portfolio Health and Safety Program HSP² Document. Pre-Task Planners are prepared on a daily basis and will be reviewed with the work crew focusing on any changes in equipment, tools, work methods or site conditions as well as key hazards and safety controls. Project personnel must attend a project Weekly Toolbox Safety Meeting. These meetings are an opportunity to conduct field safety training, distribute key safety information, reinforce safety as a priority and/or review recent inspection results directly to all project personnel.

Anticipated intrusive activities include clearing and grubbing and excavation work in Lower Ditch A. Based on previous experiences with intrusive work at this particular site, this work will be performed in modified level D protection. However, we will be prepared to upgrade to Level C protection should conditions warrant. The actual level of protection used will be based on results of our work zone air monitoring.
3.2 AIR QUALITY MONITORING
O'Brien & Gere will implement an employee work zone air monitoring program during intrusive activities. This program will be detailed in the site specific JSA.

3.2.1 Community Air Monitoring Plan
Community Air Monitoring will be performed during the intrusive activities associated with the Lower Ditch A. The Community Air Monitoring Plan (CAMP; O'Brien & Gere 2012a) was submitted to NYSDEC along with the Integrated IRM 95% Design Report.

3.3 GENERAL CONDITIONS
O'Brien & Gere will provide labor, equipment and coordination necessary to perform the following general advanced construction work associated with the project, which is described below.

3.3.1 Mobilization
O'Brien & Gere will mobilize equipment, personnel, materials and supplies as necessary to perform the proposed work. Additional equipment will be mobilized as needed.

Mobilization is anticipated to include the following:

» Temporary Site Facilities including portable toilets, and equipment and material storage trailer.
» Excavator, Loader, Dozer, and Water Truck
» Frac Tanks and Water Management Equipment
» Safety and Personal Protective Equipment
» Miscellaneous Hand Tools and Portable Equipment.

3.3.2 Site Security
The Construction Supervisor will be responsible for site security during working hours. On site personnel and visitors will be required to sign-in and sign-out at the O'Brien & Gere field office trailer currently located behind the Honeywell Willis Avenue Groundwater Treatment Plant. Vehicular traffic will be permitted in designated parking areas. During non-working hours, portable equipment will be secured in an on-site storage trailer. Excavations will be protected using construction fence and by staging equipment to minimize access.

3.3.3 Clearing and Grubbing
Clearing and grubbing will be performed using standard safe work practices. Trees and vegetation outside the work limits will be maintained and protected to the extent practical. Holes created by clearing and grubbing that are below finish grade will be backfilled with suitable material.
4. EROSION AND SEDIMENT CONTROL

Erosion and sediment control (ESC) features will be installed in accordance with NYSDEC standards and specifications for Erosion and Sediment Control detailed in the project *Storm Water Pollution Prevention Plan* (SWPPP; O’Brien & Gere 2012b). The project SWPPP was submitted to NYSDEC along with the Integrated IRM 95% Design Report. ESC activities will include:

» Resource Protection

» Surface Water Protection

» Runoff and Drainage Control

» Erosion and Sediment Control

» Maintenance and Inspection.

4.1 SURFACE WATER PROTECTION

The main bodies of water adjacent to Wastebeds 1-8 are Onondaga Lake and NineMile Creek.

Construction entrances will be constructed at the Site and will be maintained. Construction entrance details are in Appendix A: Contract Drawings of the 95% Design.

Silt fencing will be installed to prevent migration of debris into the lake or creek. If necessary, accumulated sediment will be managed in the same manner as that described for excavated spoils in Section 4 of this plan and the SWPPP which was submitted to NYSDEC along with the 95% Design Report.

4.2 RUNOFF AND DRAINAGE CONTROL

Construction water pumped from excavations or dewatered from the site will be managed in accordance with Section 7 – Construction Water Management.

There are no outfalls discharging storm water into the working construction area for the advanced construction activities.

4.3 EROSION AND SEDIMENT CONTROL

The 95% Design Drawings include information on the proposed location, details, and descriptions of erosion and sediment control facilities to be installed to control erosion and minimize sedimentation. Erosion and sediment control facilities will be installed and maintained at the Site for the duration of the project.

4.4 MAINTENANCE AND INSPECTION

Storm water management and erosion control will be inspected at least once every 7 calendar days during construction. Erosion and sediment control practices will be inspected to maintain integrity and effectiveness. Inspection forms will be kept at the O’Brien & Gere field office trailer per the SWPPP.
5. SCOPE OF WORK

This section describes the scope of work associated with the Advanced Construction Project.

5.1 STAGING AREA AND ACCESS PATH CONSTRUCTION

Construction of the Staging Areas will include the following:

- Clearing and grubbing to facilitate survey and construction.
- Installation of the designated imported fill and excavated spoil staging areas. Establish sub base for these areas.
- Staging areas will be constructed separately for imported clean fill and excavated spoil materials including the Excavated Material Staging Areas A, B and C as shown on Figure 1.
- Placement of Type “E” material as needed to establish base of the imported fill staging area and a fabric layer. Fabric will be used to distinguish between staging area and existing surface.
- Installation of silt fence around staging areas.
- Construction of access paths to the staging areas.

Construction of the Access Paths will be as follows:

- Clearing and grubbing to facilitate pre-construction survey and construction.
- Installation of the proposed access paths as shown on Figure 1.
- Placement of imported fill and geotextile materials to create access paths as shown on the Contract Drawings. The access paths will be needed to install the required collection trenches along the Eastern Shore, NineMile Creek and Northern Shore.

5.2 LOWER DITCH “A” WORK

Construction at Lower Ditch “A” will be as follows:

- Clearing and grubbing as needed to facilitate the Lower Ditch “A” work.
- Installation of a temporary culvert for access to the Eastern Shore. The temporary culvert will be removed and replaced in accordance with the final design.
- Installation of a bypass pumping system around the work zone as needed to facilitate the installation of the temporary culvert.
6. MATERIAL HANDLING PLAN

The Material Handling Plan describes procedures for handling materials during execution of the work. The goal of these procedures is to minimize contamination of clean materials or areas, minimize recontamination of cleaned areas, minimize tracking of contaminated material to uncontaminated areas, and minimizing generation of dust.

6.1 LOWER DITCH “A” SPOILS / MATERIAL GENERATED DURING CLEARING AND GRUBBING ACTIVITIES

Spoil material may be generated during the construction of the temporary culvert access across Lower Ditch “A” into the WB 1-8 site. This material will be staged at the designated Excavated Spoils Staging Area C. Materials will be placed in staging area and covered with 6-mil polyethylene.

Excavated materials will be transported in trucks to the staging area. Trucks will be loaded cautiously to preclude the need for decontamination. If necessary, the dump end of the haul trucks will be lined with poly to minimize loose or wet material from leaking from the truck. Dry material will be loaded to the back of the truck and wetter material towards the front. Trucks will leave the excavation area and pass through the stabilized construction entrance and wash area en route to the designated staging area.

Characterization samples will be collected from the staged material. One composite sample will be collected and analyzed from the stockpile. Samples will be analyzed for the following:

- Total and TCLP VOC’s by Method 8260B and 1311/8260B, respectively
- Total and TCLP SVOC’s by Method 8270C and 1311/8270C, respectively
- Total and TCLP Mercury by Method 7471A and 1311/7470A, respectively
- Total and TCLP Metals by Method 6010A and 1311/6010A, respectively
- Total PCBs by Method 8082A
- Ignitability, by EPA Method 1010
- Reactivity, (Cyanide and Sulfide) by Methods 7.3.3.2 and 7.3.4.1
- Corrosivity, by Method 9045C, and
- Percent Moisture, by Method D2216

Characterization data will be reviewed by OBG/Honeywell and NYSDEC and an evaluation will be performed on if material can remain on-site or will need to be disposed of off-site.

Material such as chipped trees and stumps generated during clearing and grubbing will be staged for grinding.
7. CONSTRUCTION WATER MANAGEMENT

Construction water generated during the work at Lower Ditch “A” will be pumped and stored in frac tanks. Solids will be allowed to settle from the construction water prior to discharging to the Willis Ave GWTP via the 6” force main installed during the Advanced Force Main Construction Project. Accumulated sediment in the frac tanks will be handled in the same manner as that described for excavated spoils in Section 6 of this plan.

REFERENCES


APPENDIX A

PROJECT SCHEDULE
<table>
<thead>
<tr>
<th>ID</th>
<th>Task Name</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Construction Phase TAR and Construction Work Plan</td>
<td>42 days</td>
<td>Fri 5/4/12</td>
<td>Thu 7/15/12</td>
</tr>
<tr>
<td>2</td>
<td>Submit Construction (Upstream of Metro) TAR to HW</td>
<td>1 day</td>
<td>Fri 5/4/12</td>
<td>Mon 5/7/12</td>
</tr>
<tr>
<td>3</td>
<td>Honeywell Review, Approved TAR and PO for Construction from HW</td>
<td>41 days</td>
<td>Mon 5/7/12</td>
<td>Thu 7/5/12</td>
</tr>
<tr>
<td>4</td>
<td>Construction Work Plan (CWP)</td>
<td>45 days</td>
<td>Mon 5/7/12</td>
<td>Thu 7/12/12</td>
</tr>
<tr>
<td>5</td>
<td>CWP Development</td>
<td>3 days</td>
<td>Mon 5/7/12</td>
<td>Thu 5/10/12</td>
</tr>
<tr>
<td>6</td>
<td>CWP Internal/HW Review</td>
<td>3 days</td>
<td>Thu 5/10/12</td>
<td>Tue 5/15/12</td>
</tr>
<tr>
<td>7</td>
<td>CWP to NYSDEC for Review</td>
<td>38 days</td>
<td>Tue 5/15/12</td>
<td>Wed 7/11/12</td>
</tr>
<tr>
<td>8</td>
<td>NYSDEC Approval</td>
<td>1 day</td>
<td>Wed 7/11/12</td>
<td>Thu 7/12/12</td>
</tr>
<tr>
<td>9</td>
<td>H&amp;S Plan / JSA</td>
<td>10 days</td>
<td>Fri 5/10/12</td>
<td>Fri 5/25/12</td>
</tr>
<tr>
<td>10</td>
<td>LHA Pre-Job Conference w/ Unions</td>
<td>1 day</td>
<td>Thu 7/5/12</td>
<td>Fri 7/6/12</td>
</tr>
<tr>
<td>11</td>
<td>OBG Salt Perform (Actual Conference Schedule TBD)</td>
<td>1 day</td>
<td>Thu 7/5/12</td>
<td>Fri 7/6/12</td>
</tr>
<tr>
<td>12</td>
<td>Procurement (including Biopolymer Materials, select fill for access roads, etc.)</td>
<td>40 days</td>
<td>Mon 5/7/12</td>
<td>Wed 7/4/12</td>
</tr>
<tr>
<td>13</td>
<td>NMC 2FT Removal (By Others) - End Date</td>
<td>1 day</td>
<td>Fri 7/27/12</td>
<td>Mon 7/30/12</td>
</tr>
<tr>
<td>14</td>
<td>St. Fair Access Agreement - Tentative Date of Approval</td>
<td>17 days</td>
<td>Thu 7/5/12</td>
<td>Wed 8/1/12</td>
</tr>
<tr>
<td>15</td>
<td>St. Fair Shut Down Period</td>
<td>31 days</td>
<td>Wed 8/1/12</td>
<td>Mon 9/17/12</td>
</tr>
<tr>
<td>16</td>
<td>Kickoff Mtg. / Site Specific Health and Safety Training</td>
<td>1 day</td>
<td>Mon 9/17/12</td>
<td>Tue 9/18/12</td>
</tr>
<tr>
<td>17</td>
<td>Advanced Construction Work</td>
<td>68 days</td>
<td>Tue 8/18/12</td>
<td>Thu 12/27/12</td>
</tr>
<tr>
<td>18</td>
<td>Mobilization</td>
<td>3 days</td>
<td>Tue 9/18/12</td>
<td>Fri 9/21/12</td>
</tr>
<tr>
<td>19</td>
<td>Site Preparation Activities</td>
<td>35 days</td>
<td>Fri 9/21/12</td>
<td>Tue 11/13/12</td>
</tr>
<tr>
<td>20</td>
<td>Construction Enhancements, Material/Equipment Laydown areas, and Decon Areas</td>
<td>5 days</td>
<td>Fri 9/21/12</td>
<td>Fri 9/28/12</td>
</tr>
<tr>
<td>21</td>
<td>Silt Fence Installation</td>
<td>14 days</td>
<td>Fri 9/21/12</td>
<td>Fri 10/12/12</td>
</tr>
<tr>
<td>22</td>
<td>Clearing and Grubbing</td>
<td>30 days</td>
<td>Fri 9/28/12</td>
<td>Tue 11/13/12</td>
</tr>
<tr>
<td>23</td>
<td>Pre-Construction Survey</td>
<td>20 days</td>
<td>Mon 10/8/12</td>
<td>Tue 11/6/12</td>
</tr>
<tr>
<td>24</td>
<td>Staging Areas</td>
<td>15 days</td>
<td>Mon 10/15/12</td>
<td>Tue 11/6/12</td>
</tr>
<tr>
<td>25</td>
<td>Clean Fill</td>
<td>5 days</td>
<td>Mon 10/15/12</td>
<td>Mon 10/22/12</td>
</tr>
<tr>
<td>26</td>
<td>Excavated Spills</td>
<td>10 days</td>
<td>Mon 10/22/12</td>
<td>Tue 11/6/12</td>
</tr>
<tr>
<td>27</td>
<td>Access Paths</td>
<td>30 days</td>
<td>Tue 11/13/12</td>
<td>Thu 12/27/12</td>
</tr>
<tr>
<td>28</td>
<td>Ninemile Creek (NMC) CS and FM</td>
<td>15 days</td>
<td>Tue 11/13/12</td>
<td>Wed 12/5/12</td>
</tr>
<tr>
<td>29</td>
<td>NS and Remediation Area A Access Path</td>
<td>10 days</td>
<td>Wed 12/5/12</td>
<td>Thu 12/20/12</td>
</tr>
<tr>
<td>30</td>
<td>Eastern Shore Access Path (inc. Inland Wetland)</td>
<td>20 days</td>
<td>Wed 11/28/12</td>
<td>Thu 12/27/12</td>
</tr>
<tr>
<td>31</td>
<td>Lower Ditch A</td>
<td>15 days</td>
<td>Tue 11/6/12</td>
<td>Wed 11/28/12</td>
</tr>
</tbody>
</table>
APPENDIX B

FIGURE 1 – OVERALL PLAN