

**United States Environmental Protection Agency**  
**Region V**  
**POLLUTION REPORT**

**Date:** Friday, May 1, 2009

**From:** James Augustyn

**Subject:** Ongoing Excavation of the Isolation Break Between Landfill Cells 5 and 7.

Countywide Landfill

3619 Gracemont Street SE, East Sparta, OH

Latitude: 40.6717000

Longitude: -81.4314000

<b>POLREP No.:</b>	10	<b>Site #:</b>	B5FC
<b>Reporting Period:</b>	4/4/2009 - 5/1/2009	<b>D.O. #:</b>	
<b>Start Date:</b>	7/8/2008	<b>Response Authority:</b>	CERCLA
<b>Mob Date:</b>	7/8/2008	<b>Response Type:</b>	Time-Critical
<b>Demob Date:</b>		<b>NPL Status:</b>	Non NPL
<b>Completion Date:</b>		<b>Incident Category:</b>	Removal Action
<b>CERCLIS ID #:</b>	OHD000510155	<b>Contract #</b>	
<b>RCRIS ID #:</b>			

#### Site Description

The Countywide Landfill Site is located at 3619 Gracemont Street SW, East Sparta, Stark County, Ohio, 44626. For a more complete description of the site history and U.S. EPA enforcement, refer to POLREP #1.

#### Current Activities

Excavation and removal of all remaining municipal waste from the cell 5/7 isolation break was completed on April 17, 2009. Approximately 373,000 cubic yards of waste was relocated to cells 7 and 8a during the project.

During the current reporting period, Republic contractors installed leachate and landfill gas extraction systems and sections of flexible membrane liner (FML) temporary cap within the isolation break. In addition, work commenced on the following augmentations to the gas extraction system: installation of 11 proposed replacement wells and one new well in the 88-acre remediation area; replacement of 12 existing wells in cell 7 and 8a that were extended as waste from the isolation break was gradually filled and graded into cell 7, and 8 new proposed wells to be installed in cells 5 and 7 along the slopes of the isolation break. Daily progress on these tasks is annotated below.

From April 4, 2009, through April 6, 2009, remediation operations were suspended due to heavy rain.

From April 7, 2009, through April 9, 2009, Republic contractors began installation of a toe drain in the isolation break. The toe drain was installed immediately south of the 5/7 berm in cells 5b and 5c, and was connected to the sump at the western side of the isolation break with a 2% grade falling westward.

On April 8, 2009, Republic contractors decommissioned relief well RW-4 in cell 5a. Since its installation in February, 2008, RW-4 had gradually been affected by localized settlement trends that eventually rendered the well ineffective and unrepairable. Formal decommissioning reports for both RW-3(see POLREP #9) and RW-4 were submitted to Ohio EPA by Republic.

On April 10, 2009, remediation operations were suspended due to rain.

From April 13, 2009, through April 14, 2009, Republic contractors continued to install the toe drain in the isolation break. On April 14, 2009, a bucket auger drill rig was mobilized to cell 7 to begin drilling scheduled gas extraction wells in cell 7. Proposed gas extraction replacement well PW-301R(2) was installed. At 1200 on April 14, 2009, remediation operations were suspended due to heavy rainfall.

On April 15, 2009, remediation operations were suspended due to rain.

From April 16, 2009, through April 17, 2009, Republic contractors continued to install the toe drain in the isolation break. Proposed gas extraction well replacements PW-308R(2), PW-309R(2) and PW-341R

were installed in cell 7. The drill rig was demobilized from cell 7 for regular maintenance.

From April 20, 2009, through April 21, 2009, remediation operations were suspended due to rain.

On April 22, 2009, replacement gas extraction well PW-134R was installed in cell 6a.

On April 23, 2009, replacement gas extraction well PW-133R was installed in cell 6a, and PW-158R was installed in cell 5d. Weather conditions precluded work from proceeding in the 5/7 isolation break.

On April 24, 2009, replacement gas extraction well PW-141R was installed in cell 5a, and PW-188R was installed in cell 4b. A shallow anchor trench was excavated mid-slope in cell 7 in the isolation break and a liner crew began installing and welding sections of FML temporary cap to the basal liner on the north side of the 5/7 berm.

On April 25, 2009, shallow anchor trenches were excavated mid-slope in cell 5 of the isolation break and the liner crew began installation and welding of FML temporary cap to the basal liner on the south side of the 5/7 berm.

On April 27, 2009, replacement gas extraction well Q1R was installed in cell 4a, and well W1R(2) was installed in cell 4b. The liner crew continued installation and welding of FML temporary cap to the basal liner on the south side of the 5/7 berm.

### **Next Steps**

Republic contractors will continue construction activities for the "isolation break" between cells 5 and 7 as detailed in the Isolation Break Excavation Work Plan. The proposed isolation break is intended to establish a physical separation of landfill cells 7-16 from the original 88-acres (cells 1-6), preventing the northward migration of reaction-generated heat, liquids and gases that have been documented during AOC activities. Remaining construction activities include installation of new and replacement gas extraction wells, placement of FML on the Cell 5 (south) slope. The project is anticipated to be completed by the end of Spring 2009.

The remainder of the construction activities included in the Landfill Cover and Long-term Capping Plan are anticipated to resume in Spring 2009. This activity will include the construction of a temporary cap over select portions of Cells 1, 2 and 3. In addition, enhancements to existing sections of temporary cover, gas extraction wells, and sub-cap drains will be constructed throughout Cells 1-6.

A detailed operations, maintenance and monitoring (OM&M) plan continues under development to ensure continued care of the entire 88 acre "remediation area." This plan will include both performance and monitoring measures for all engineered components (such as drains, gas wells, sumps, tanks, liner, leachate lines and flares) of the area, which are required to control the intrusion of oxygen and water into the cells 1-6 and prevent the escape of gas emissions, odors and leachate. This plan is intended to ensure that the measures implemented pursuant to the Settlement Agreement remain in place and operational into the future.

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