

Region 3 GPRA Baseline RCRA Corrective Action Facility

Emporia Foundry, Inc.

6209 Reese Street

Emporia, Virginia 23847

Congressional District 4

EPA ID No.: VAD023720105

Last Updated: 07/07/2009

Current RCRA CA Activities

The Virginia Department of Environmental Quality (DEQ) is the lead agency for oversight of RCRA Corrective Action (CA) work at the facility. The CA investigations and any necessary clean up activities at the facility are being implemented in accordance with the conditions and requirements of Post-Closure Care Permit issued to the facility.

The Post-closure Care Permit for the Facility was originally issued August 26, 1994 and renewed September 26, 2005. The current Permit includes site-wide CA requirements of the Hazardous and Solid Waste Amendments (HSWA) of the Resource Conservation and Recovery Act (RCRA) of 1984.

The above Permit requires the facility to conduct a RCRA Facility Investigation (RFI) for potential releases of hazardous waste and/or hazardous constituents at specified solid waste management units (SWMUs) and Areas of Concern (AOCs) identified at the facility. The RFI will be performed under two phases, a Phase I RFI and a Phase II RFI.

The Phase I RCRA Facility Investigation Work Plan (RFI Work Plan) was received by DEQ on February 3, 2006. The DEQ completed its review of the RFI Work Plan and sent a notice of deficiency (NOD) to the facility on August 18, 2006. The facility submitted a response to the DEQ's August 18, 2006, comments on January 31, 2007.

At the request of the DEQ, the facility submitted a revised RFI Work Plan for review on March 14, 2007. On April 6, 2007, the DEQ issued a second NOD. The facility submitted a response to the April 6, 2007, NOD on May 25, 2007. The DEQ reviewed the May 25, 2007, submittal and on June 28, 2007, requested that the facility submit a final copy of the RFI Work Plan for approval.

The RFI Work Plan, dated February 2006, and revised July 17, 2007, was approved by the DEQ in a letter dated August 8, 2007. The facility conducted Phase I RFI activities (soil and groundwater sampling) during March of 2008 and submitted the Phase I RFI Report to the DEQ on July 31, 2008.

The Department reviewed the Phase I RFI Report and provided the facility with technical review

comments in a DEQ letter, dated December 18, 2008. The facility's response to comments and revisions to the Phase I RFI Report were to be submitted to the DEQ by February 6, 2009.

The facility requested an extension of the submittal date to July 3, 2009, due to Emporia's financial difficulties. The DEQ granted approval of the extension of the submittal.

In June, 2009, the facility representatives contacted the DEQ to address the need for a further extension of the response to comments and revised Report submittal date due to the continued financial problems associated with the economic recession.

The DEQ is currently working with Emporia to help meet the environmental criteria and standards and corrective action obligations under their Hazardous Waste Management Post-Closure Care Permit while considering their existing financial difficulties.

Site Description

Emporia Foundry is located in an industrial area on Reese Street in Emporia, Virginia. The facility lies between multi-family residential areas to the North, and commercial/industrial areas to the South and East. The facility manufactures gray-iron, municipal castings by mold-casting methods for use by municipal governments and the construction industry. Manufactured castings include manhole covers, manhole cover receptacles, and drain grates.

The foundry site contains a closed hazardous waste landfill, approximately 3.7 acres; the landfill contains characteristic wastes under the RCRA. The landfill, a regulated unit, is bounded on the north and east by Little Metcalf Branch, on the south by CSX Railroad tracks, and on the west by a drainage ditch. The surface is generally level on the western sections but slopes upward to a steep bank on the eastern end of the landfill.

Between 1965 and 1975, foundry wastes consisting of cupola slag, spent casting sand, and spent steel shot were spread at the landfill. Between January 1975, and December 1981, cupola baghouse dust was included with other wastes. Between January 1982, and the fall of 1982, foundry waste without cupola baghouse dust was spread on the site, and by December of 1982, the landfill disposal operations ceased.

RCRA CA Milestones

To date the following RCRA CA milestones have been completed at this facility:

- In December 1991, the site was assigned a medium Corrective Action (CA) priority.
- As part of the first phase in the RCRA Corrective Action process, the facility submitted to the DEQ for review a Phase I RFI Work Plan. The RFI Work Plan was received by the DEQ on February 3, 2006. The DEQ completed its review of the RFI Work Plan and

sent its comments to the facility on August 18, 2006. Based on the review of the February 2006 RFI Work Plan and other corresponding reviews, on June 28, 2007, the DEQ requested that the facility submit a final copy of the RFI Work Plan for approval.

- The Phase I RFI Work Plan, dated February 2006, and revised July 17, 2007, was approved by the DEQ on August 8, 2007.
- The Phase I RFI field activities were conducted in March of 2008. The Phase I RFI Report was submitted July 31, 2008. DEQ technical review comments on the Phase I RFI Report were provided to the facility in a DEQ letter, dated December 18, 2008. The facility's response to comments and revisions to the Phase I RFI Report submittals are currently pending.
- September 9, 2008, Environmental Indicator status "Yes" for both human health and groundwater (last revision).

Environmental Indicator Status

Under the Government Performance and Results Act (GPRA), the Environmental Protection Agency (EPA) has set national goals to address high priority RCRA Corrective Action facilities by the year 2008. EPA is evaluating two key Environmental Indicators (EIs) for each facility: Current Human Exposures Under Control and Migration of Contaminated Groundwater Under Control. This facility is currently considered one of EPA Region III's high priority CA facilities and falls under the GPRA initiative.

The DEQ's current evaluation of Environmental Indicators for this facility is as follows:

- *Human Exposures Controlled Determination:* The DEQ has made the EI determination of "yes, that current human exposures are under control." The above determination is based upon the DEQ's Current Human Health Environmental Indicator (HHEI) Determination Report, dated September 9, 2008. This above HHEI determination is considered current, effective July 7, 2009.
- *Release to Groundwater Controlled Determination:* The DEQ has made the EI determination of "yes, that migration of contaminated groundwater is under control," based upon the review of CA information for the CCP site contained in the EI determination Report, dated September 9, 2008. The above EI determination indicates that the migration of "contaminated" groundwater is believed to be under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the "existing area of contaminated groundwater." This EI determination is considered current, effective July 7, 2009.

Contaminants

The primary contaminants in the soils and groundwater at the facility are lead and cadmium.

Institutional Controls

On September 26, 2005, the facility was renewed a Hazardous Waste Management Post-Closure Permit which includes site-wide CA requirements of the Hazardous and Solid Waste Amendments (HSWA) of the Resource Conservation and Recovery Act (RCRA) of 1984. The above Permit requires post-closure care and groundwater monitoring.

There is a deed notice in place concerning the closed landfill.

Community Involvement

Citizens' questions and concerns may be directed to the contact below. Also, the Administrative Record which contains all documents and information regarding the RCRA CA program for this facility are available for public review at the following location(s):

Virginia Department of Environmental Quality
629 East Main Street
Richmond, Virginia 23219
Phone: (804) 698-4131
Contact: Matthew Stepien

The DEQ also maintains a facility mailing list that is used to inform the public of substantial issues and permit administrative actions regarding the facility.

Government Contacts

The Commonwealth of Virginia DEQ is the lead authority for this project. Please contact the DEQ project manager listed below for details on this project or the contents of this fact sheet.

DEQ Project Manager

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EPA Project Manager

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For more information about EPA's corrective action program, including Environmental Indicators, please visit our site at: www.epa.gov/reg3wcmd/correctiveaction.htm

Facility Contact

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Fact Sheet Update

The previous Fact Sheet was updated January 8, 2009. The next update is scheduled for January 2010. Previous Fact Sheets may be obtained through the DEQ contact.