

BÖHLER-UDDEHOLM SPECIALTY METALS, INC. (FORMERLY TELEDYNE ALLVAC / FORMERLY C-K COMPANY)

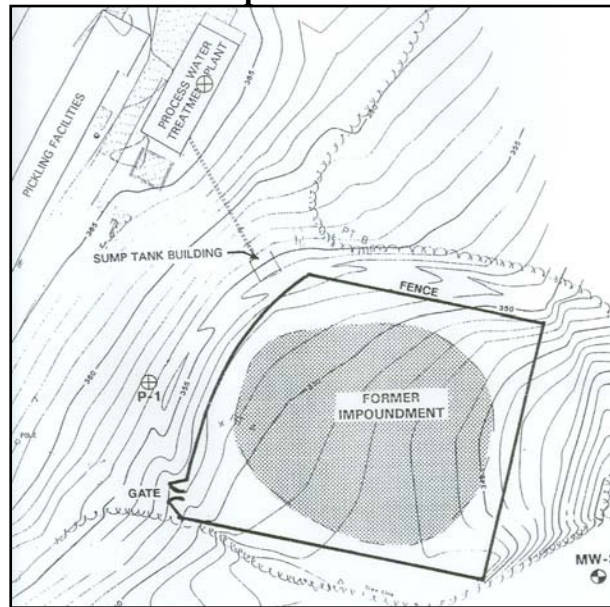
2306 Eastover Drive
South Boston, VA 24592
Congressional District 5
EPA ID Number: VAD089022685
Last Updated: 07/07/2009

Topographic Site Map



South Boston, VA USGS Quadrangle (1969, Photorevised 1990),
Omega, VA USGS Quadrangle (1968, Photorevised 1980),
Scale = 1:2,000

Partial Site Map



Not to Scale

Current RCRA CA Activities

The Virginia Department of Environmental Quality (DEQ) is the lead agency for oversight of Resource Conservation and Recovery Act (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 a Hazardous Waste Management Post-Closure Care Permit (Permit) issued to the facility.

The facility's Hazardous Waste Management Post-Closure Care Permit (PCC Permit) was issued on Sept. 28, 1994. The PCC Permit was applicable to the former impoundment which was closed as a hazardous waste landfill. The DEQ renewed the PPC Permit on August 29, 2005. The current PCC Permit includes site-wide CA which requires the facility to conduct a (site-wide) investigation on all existing waste management units.

During a June 29, 2006, site visit conducted by the DEQ, no additional Solid Waste Management Units (SWMUs) or Areas of Concern (AOCs) were identified. Based on a review of historical documentation, discussions occurring during the visit, and on-site observations, the *Release to Groundwater Environmental Indicator Determination – CA750* was completed on July 17, 2006, and the *Human Exposures Under Control Environmental Indicator Determination – CA725* was completed on July 31, 2006.

The Environmental Indicator (EI) RCRIS Code (CA750) documentation indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. The EI RCRIS Code (CA725) documentation indicates that the current human exposures to contamination at the site are under control. These determinations will be re-evaluated when the DEQ becomes aware of significant changes at the facility.

In August 2006, the facility identified a former grinding sludge disposal area, SWMU No. 1, which was located on the southwestern portion of the site. The facility staff indicated that disposal activities in this SWMU No. 1 had ceased prior to 1980.

The facility performed a preliminary site investigation of the SWMU No. 1 and submitted the information to the DEQ in a *Soil Sampling and laboratory Analysis Report - Former Sludge Disposal Area (Report)*, dated August 2006.

The soils data in the above Report was evaluated by the DEQ in 2008, and it was determined that soils in the SWMU had been adversely impacted by the historic disposal of grinding sludge and determined the need for further investigation. DEQ correspondence, dated October 3, 2008, was sent to the facility, which provided the DEQ's general and detailed comments associated with the findings associated with the newly identified SWMU, and the need to further investigate the SWMU under CA under the facility's Permit to establish the nature and extent of the contamination from disposal at this unit.

On November 19, 2008, the facility and their consultant, ECM Mid-Atlantic, LLC met with DEQ staff at the DEQ Central Office in Richmond, Virginia, to discuss the preliminary findings related with the above-referenced SWMU. Based on the information and findings in the above Report, the DEQs evaluations, and the discussions during the meeting, the DEQ requested that the facility submit a unit-specific Phase I RFI Work Plan to investigate and establish the nature and extent of the contamination of this recently identified SWMU.

On March 5, 2009 the DEQ received the facility's Phase I RFI Work Plan, dated February 27, 2009. The DEQ provided the facility with technical review comments and a Notice of Deficiency (NOD) on June 2, 2009, and requested that the facility provide a response to comments and a revised Phase I RFI Work Plan by July 17, 2009.

The previous former impoundment (closed as a hazardous waste landfill) remains under compliance groundwater monitoring under the post-closure Permit and none of the contaminants exceeds the groundwater protection standards (GPSs) established for this specific unit. The former grinding sludge disposal area, SWMU No. 1 identified on August 2006, is currently being investigated.

Site Description

Böhler-Uddeholm Specialty Metals, Inc. (Böhler) is located on more than 43 acres of land approximately one mile east of the Town of South Boston, Halifax County, Virginia. The facility lies in the Piedmont Plateau, approximately three-quarter miles north of the Dan River/Kerr Reservoir. The topography of the site is primarily flat, with the land sloping slightly from the northwest to the southeast. Rocky Branch is located west of Böhler's property and Wood's Creek is located east of the facility's former impoundment.

Böhler performed metal finishing services (rolling, drawing, grinding, straightening, etc.) in the production of specialty steels. These steels were used to manufacture drill bits, saw blades, cutting tools, and similar applications. During facility operations, from 1972 until 1985, lime stabilized spent pickle liquor solutions were temporarily stored in the former impoundment before being discharged into Wood's Creek. Discharge from the impoundment was performed in accordance with the facility's National Pollution Discharge Elimination System (NPDES) Permit (VA0051047).

The former impoundment was taken out of service in 1985. All liquids that had collected in the impoundment were removed in accordance with the NPDES Permit. Based on approved closure activities, the remaining waste, approximately 590 cubic yards of sludge, was closed in place and covered by a protective cap. Closure certification was successfully completed on June 21, 1989. The post-closure care period for the former impoundment shall continue until June 21, 2019.

RCRA CA Milestones

To date, the following Resource Conservation and Recovery Act (RCRA) CA milestones have been completed at this facility:

- In September 1984, investigations and interim status groundwater monitoring for the former impoundment at the South Boston Plant began.
- On June 28, 1989, the RCRA Facility Assessment (RFA) was completed.
- On December 1, 1991, the facility was ranked as a "low" priority site according to the National Corrective Action Prioritization System.
- On September 28, 1994, the original Hazardous Waste Management Post-Closure Permit became effective; the Permit had an expiration date of September 28, 2004.
- In 2000, a Site Wide Corrective Action Module (VI) was added to the Permit to assess whether additional Hazardous and Solid Waste Amendment (HSWA) requirements will apply to this facility.
- On August 29, 2005, the Hazardous Waste Management Post-Closure Permit renewal became effective: the Permit has an expiration date of August 29, 2015.
- On July 17, 2006, the *Migration of Contaminated Groundwater Under Control* Environmental Indicator was met.
- On July 31, 2006, the *Current Human Exposures Under Control* Environmental

Indicator was met.

- In August 2006, the facility identified a former grinding sludge disposal area, SWMU No. 1, which was located on the southwestern portion of the site. The facility staff indicated that disposal activities at SWMU No. 1 had ceased prior to 1980.
- On November 19, 2008, the facility and their consultant met with DEQ to discuss the preliminary findings related with the above-referenced SWMU. The DEQ requested that the facility submit a unit-specific Phase I RFI Work Plan to investigate and establish the nature and extent of the contamination of this recently identified SWMU.
- On March 5, 2009, the DEQ received the facility's Phase I RFI Work Plan for SWMU No. 1, dated February 27, 2009. The DEQ provided the facility with technical review comments and a NOD on June 2, 2009, and requested that the facility respond to these comments and submit a revised Phase I RFI Work Plan by July 17, 2009.

Details and the supporting documentation regarding the above can be obtained by reviewing the files at DEQ's Central Office or by contacting the project managers identified in this fact sheet.

Environmental Indicator Status

Under the Government Performance and Results Act (GPRA), the Environmental Protection Agency (EPA) set national goals to address high priority RCRA CA facilities by the year 2008. As in the 2005 baseline study, EPA is evaluating two key indicators for each facility: *Current Human Exposures Under Control* and *Migration of Contaminated Groundwater Under Control*. This facility is one of EPA Region 3's high priority facilities and falls under the GPRA initiative.

The current Environmental Indicator Status for this facility is:

- *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, CA725, dated July 31, 2006. 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 site contained in the EI determination, CA750, dated July 17, 2006. 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.

These determinations will be re-evaluated when the DEQ becomes aware of significant changes at the facility.

Contaminants

The contaminants which have been detected present in the soil and groundwater include antimony, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, silver, thallium, trichloroethene, vanadium, and zinc.

Institutional Controls

The DEQ issued a renewal of the facility's Post-Closure Permit on August 29, 2005. The permit includes post-closure care and groundwater monitoring of the former impoundment, which was closed as a hazardous waste landfill, and includes facility (site-wide) CA requirements applicable to the entire facility site.

A Deed Notice is in place identifying the location of the former surface impoundment closed with waste in place as a hazardous waste landfill.

Community Involvement

A copy of all documents relating to the RCRA CA program at this facility is available for viewing at DEQ's Central Office located at 629 East Main Street in Richmond, Virginia 23219. Additionally, public review can be conducted at:

Halifax County-South Boston Regional Library
South Boston Branch
509 Broad Street
South Boston, VA 24592
(434) 575-4228

The documents may be reviewed during normal library hours, Monday/Tuesday/Wednesday/Friday: 9:30 AM – 6:00 PM; Thursday: 11:30 AM – 8:00 PM; and Saturday: 9:30AM – 1:00 PM. For more information about the library's operations, please visit the library's website at: <http://cave.pure.net/~hfaxlib/fsobolib.htm>.

Government Contacts

The Commonwealth of Virginia DEQ has 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

Mr. Matthew M. Stepien
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EPA Project Manager

Mr. Michael Jacobi – 3LC20
USEPA - Region 3
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For more information about EPA's CA program, including Environmental Indicators, please visit EPA's website at: www.epa.gov/reg3wcmd/correctiveaction.htm.

Facility Contact

The facility contact, as listed in the RCRA Permit, is:

Mr. Barney Newberry
Process Engineer
Böhler-Uddeholm Specialty Metals, Inc.
2306 Eastover Drive
South Boston, VA 24592
Phone: (434) 575-7994 Ex. 116
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Fact Sheet Update

The previous fact sheet was updated January 8, 2009. The next fact sheet update is scheduled for July 2010. Previous fact sheets may be obtained through the above DEQ contact.