NEW YORK STATE DEPARTMENT OF

ENVIRONMENTAL CONSERVATION

This Fact Sheet contains information about the Investigation for and Design of an Interim Remedial Measure (IRM) at the Revere Smelting & Refining Site located in the Town of Wallkill, Orange County, New York.

If you have any questions on the New York State Superfund Program or the Investigation and Design of this IRM, please contact:

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FACT SHEET

Revere Smelting & Refining

NEW YORK STATE SUPERFUND PROGRAM
Site No. 3-36-053
November 2005

WORK AND DESIGN FOR IRM TO BEGIN

The New York State Department of Environmental Conservation (NYSDEC), working cooperatively with the New York State Department of Health (NYSDOH) has prepared this fact sheet to update you on upcoming activities at the Revere Smelting & Refining (RSR) Site at 65 Ballard Road, Town of Wallkill, Orange County (Figure 1). The NYSDEC is currently in the process of developing an Interim Remedial Measure (IRM) to remove lead contaminated soil in Operable Unit 1 (OU1). The IRM will include an investigation at the Site which is scheduled for November/December 2005. The investigation will focus on the delineation of source materials to be removed. The IRM design is scheduled for completion in March 2006. Prior to implementation of the IRM, the NYSDEC will hold a public information meeting to present the scope of the IRM. The NYSDEC intends to implement the IRM in 2006.

BACKGROUND

The RSR Site consists of 55 acres of land, approximately 1/3 of which is used as an active industrial facility. This facility operates a secondary lead smelter and recycles batteries which contain lead. During the late 1970's and early 1980's large quantities of fill material containing lead slag, battery parts, and other wastes were buried at the site. In 1999, RSR began remedial activities to remove this waste, but suspended these activities in August 1999.

The site is currently subject to a September 2000 Order on Consent agreed to by RSR and the NYSDEC. Under the Order on Consent, NYSDEC will utilize State Superfund money to conduct a remedial program in OU1. RSR must reimburse New York State for remediation costs.

OU1 consists of all on-site soils outside the active industrial facility. A Remedial Investigation (RI) of OU1 began in 2001 and is ongoing. Based on the initial results of this RI, the NYSDEC determined that approximately 50,000 cubic yards of soil classifiable as hazardous waste are present within the boundaries of OU1. These soils are primarily located to the east of the active plant in a fenced area and include staged soil piles as well as subsurface soils at depths of up to 20 feet. Soils are characterized as hazardous waste when they exceed the Toxicity Characteristic Leaching Procedure (TCLP) hazardous waste threshold concentration. For lead the TCLP hazardous waste threshold concentration is 5 milligrams per liter (mg/L). Due to the presence of hazardous waste and the potential for the waste to impact groundwater and surface water the NYSDEC decided to perform an IRM to remove and dispose of all soil/waste within OU1 classifiable as hazardous waste.

INVESTIGATION & DESIGN OF THE IRM

The proposed IRM is aimed at the removal of all site soils/waste which exceed the TCLP hazardous waste threshold for lead and are therefore characterized as hazardous waste. IRMs are generally conducted to address specific issues or areas of concern at a site prior to the completion of the site's RI. Due to the large quantity of hazardous waste at this site, this IRM requires both an investigation and design phase, which are described below. The investigation will start in November and be completed in December 2005, and the design phase is scheduled to be completed in March 2006.

The NYSDEC has hired an engineering consultant, O'Brien & Gere, Inc., to conduct the investigation and design. Highlights of the upcoming design include the following:

- **Site Reconnaissance and Survey Activities**
  During RSRs initial site remediation effort in OU1 in 1999, significant site work and soil removal was conducted. At the conclusion of these remediation activities several staged soil piles were left on site and a large pond formed in the area of excavation (see Figure 2). As part of an IRM conducted in 2001, the staged soil piles were covered to prevent any contaminant runoff caused by rainfall. As part of this investigation a comprehensive site survey will be completed to assist in the logistical planning of the removal design. The volumes of the staged soil piles will be calculated.

- **Subsurface Soil Investigation**
  Soil borings will be advanced, sampled, and analyzed for the specific purpose of identifying the degree and extent of the source area. Groundwater monitoring will also be conducted in the form of piezometers installed at selected soil borings, to determine if groundwater management is required during the removal.

- **Bench-Scale Treatability Study**
  Soil which exceeds the hazardous waste threshold for lead also exceeds land ban restrictions, which disallows the disposal of the soil in a landfill without prior treatment. Because this IRM is focused exclusively on the removal of hazardous waste, a bench-scale treatability study will be conducted to determine the appropriate disposal method of the wastes.

- **IRM Design**
  Based on the results of this IRM Investigation, a design will be developed for the removal of all soils/waste classified as hazardous waste in OU1. The design will include a community air monitoring plan which will monitor and protect the public during construction. The design will also include a construction site management plan, a waste disposal plan, and an erosion control plan. The design will also describe the backfilling and restoration of the site. The design is scheduled for completion by the end of March 2006.

- **Surface Soil Investigation**
  Additional surface soil samples will be collected to fill in data gaps identified in the RI. As part of the IRM investigation, soil samples will be collected at various locations at the Site to determine more precisely the vertical extent of this contamination. Samples will be collected from 0-2", 2-4", 4-6", and 6-12" and analyzed for total lead content.

Once the IRM design is complete, the NYSDEC plans to hold a public information meeting to describe the IRM Design as well as the results of the investigation. The present schedule is for the NYSDEC to select a remedial contractor and conduct the IRM in 2006.

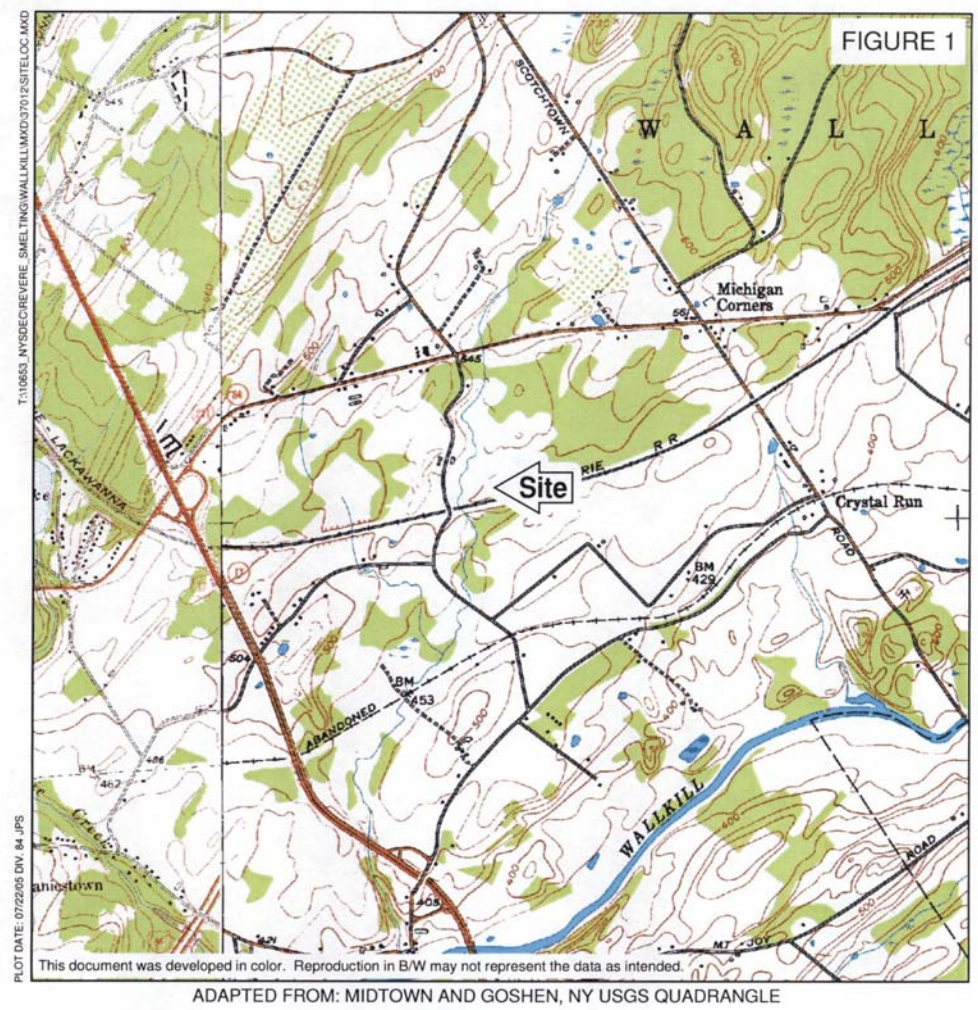
FOR MORE INFORMATION

If you would like more information about this project, you are urged to contact the project personnel listed on the cover of this Fact Sheet. This Fact Sheet has been circulated based on the RI Citizen Participation Plan which includes a contact list of all interested parties. If you would like to be added to the contact list, please contact the NYSDEC Project Manager listed on the cover of this sheet. You are also invited to visit the document repositories listed below. The repositories include a copy of the Pre-IRM Design Work Plan, which describes in detail the work outlined in this Fact Sheet.

Middletown Thrall Public Library
11-19 Depot Street
Middletown, New York 10940
(845) 341-5454
Monday - Thursday: 9:00 am - 8:00 pm
Friday: 9:00 am - 6:00 pm
Saturday: 10:00 am - 5:00 pm
Sunday: 1:00 pm - 5:00 pm

NYSDEC Region 3 Office
21 South Putt Corners Road
New Paltz, New York 12561
(845) 256-3154
(By appointment only)
Monday - Friday: 8:30 am - 4:30 pm

Wallkill Town Hall
600 Route 211 East
Middletown, New York 10940
(845) 692-7826



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PLOT DATE: 11/03/05 DIV. 84 JPS

FIGURE 2

LEGEND

SOIL TOPOGRAPHY

SAMPLE TYPE

- ABANDONED MONITORING WELL WITH SOIL DATA
- EXISTING SOIL BORING
- TEST PIT
- PROPOSED SOIL BORING
- PROPOSED SOIL BORING/PIEZOMETER
- PROPOSED SEDIMENT SAMPLE
- TEST PIT
- ESTIMATED AREA OF EXCAVATION DURING RSR CORRECTIVE ACTION
- STAGED SOIL PILES

NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

REVERE SMELTING
AND REFINING
NYSDEC SITE #336053
MIDDLETOWN, NEW YORK

PROPOSED FILL AREA SAMPLE LOCATIONS

0 50 100 200 300
Feet

OCTOBER 2005
10653.37012

O'BRIEN & GERE ENGINEERS, INC.