

**NEW YORK STATE
DEPARTMENT OF**



**ENVIRONMENTAL
CONSERVATION**

This Fact Sheet contains information about the findings of the Remedial Investigation and the start of a Feasibility Study for OU-1 & OU-2 (on-site) and the start of a Remedial Investigation for OU-3 (off-site) at the Revere Smelting & Refining Site located in the Town of Wallkill, Orange County, New York.

If you have any questions on the ongoing activities at this site, please contact:

Mr. William Bennett
Project Manager

NYSDEC
625 Broadway, 11th Floor
Albany, NY 12233-7014
1-866-520-2334

For Citizen Participation questions, please contact:

Mr. Michael Knipfing
Citizen Participation Specialist
NYSDEC

21 South Putt Corners Road
New Paltz, NY 12561
(845) 256-3154

For site-related health questions, please contact:

Mr. Anthony Perretta
NYSDOH

Bureau of Environmental
Exposure Investigation
547 River Street
Troy, NY 12180
1-800-458-1158 ext. 27880

FACT SHEET

Revere Smelting & Refining

NEW YORK STATE SUPERFUND PROGRAM

Site No. 3-36-053

August 2008

PUBLIC INFORMATION MEETING

The New York State Department of Environmental Conservation (NYSDEC) will hold a public informational meeting on Thursday, September 4, 2008 at 7:00 pm at the Wallkill Town Hall, Building A, 99 Tower Drive, Middletown, NY 10941. The purpose of this informational meeting is to present the findings of the on-Site Remedial Investigation (RI), and present the scope of the investigation planned for the off-Site RI.

ON-SITE AND OFF-SITE WORK TO BEGIN

The NYSDEC, working cooperatively with the New York State Department of Health (NYSDOH) has prepared this fact sheet to update you on activities at the Revere Smelting & Refining (Revere) Site located at 65 Ballard Road, Town of Wallkill, Orange County (Figure 1). The NYSDEC has divided the Site into four Operable Units (OUs). An operable unit represents a portion of the site that for technical or administrative reasons can be addressed separately to eliminate or mitigate the contamination related to a site. OU-1 is defined as all on-Site soil not within OU-4; OU-2 is defined as all on-Site groundwater; OU-3 is defined as all off-Site areas to be investigated; and OU-4 is defined as the active Revere plant area. The Revere Site and OUs are shown on the attached Figure 2. The NYSDEC has completed a Remedial Investigation (RI) for on-Site (OU-1 & OU-2) and Revere recently has signed a Order on Consent to conduct a Feasibility Study (FS) which will evaluate potential cleanup strategies for OU-1 & OU-2. Revere has also completed development of a RI/FS Work Plan for Operable Unit 3 (OU-3) to investigate Site related impacts on off-Site areas. The investigation will focus on off-Site surface soils, sediment, and groundwater. Field work for the OU-3 investigation is scheduled to begin this fall.

BACKGROUND

The Revere 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, Revere began remedial activities to remove this waste, but suspended these activities in August 1999. In addition to physical waste disposal, fugitive emissions from uncovered storage and uncontrolled ventilation units have contributed to the deposition of metal containing material around the Site. The construction of a containment building to store material, and the extension of the plant emission stack, have abated fugitive emissions from the plant. However, significant impacts from fugitive emissions occurred at the Site before these controls were put in place.

ON-SITE INVESTIGATION COMPLETE, FEASIBILITY STUDY TO BEGIN

Under a September 2000 Order on Consent agreed to by Revere and the NYSDEC, the NYSDEC completed a Remedial Investigation (RI) of OU-1 (on-Site soils) and OU-2 (on-Site groundwater). The results of this investigation are presented in the *Remedial Investigation, Final Report* (O'Brien & Gere, May 2007) and summarized below:

- Lead was identified as the primary contaminant of concern at the Site. Other contaminants detected in Site environmental media above NYSDEC Standards, Criteria, and Guidelines (SCGs) include arsenic, beryllium, cadmium, copper, iron, nickel, selenium, sulfate, and zinc.
- Surface soil contamination is primarily lead and is generally limited to the upper four inches of Site soils. Surface soil contamination extends off-Site into OU-3.
- Subsurface soil contamination, also primarily lead, has resulted from the disposal of lead-bearing waste on-Site. Lead contaminated fill is primarily found immediately to the east of the active plant, but it is also found along the western edge of the Site, and underneath the active facility. The Site contains well over 50,000 cubic yards of contaminated fill which exceeds the soil cleanup objectives for lead.
- Sediment in the on-Site pond and stream to the west of the active plant contains concentrations of lead in exceedence of SCGs. Sediment contamination extends off-Site into OU-3 via an unnamed stream.
- Groundwater emanating from beneath the active plant contains lead, cadmium, and sulfate in exceedence of NYSDEC SCGs. Sulfate exceedences extend into OU-3.
- Biota samples collected as part of a Fish & Wildlife Impact Analysis (FWIA) indicate uptake of lead has occurred among invertebrates and small mammals living on the Site.

Under a June 2008 Order on Consent with the NYSDEC, Revere will conduct a Feasibility Study (FS) to evaluate remedial options for the Site in accordance with NYSDEC guidance. Work on the FS will start this fall.

OFF-SITE INVESTIGATION TO BEGIN

Under a June 2007 Order on Consent between Revere and the NYSDEC, Revere will conduct a Remedial Investigation (RI) to determine the nature and extent of off-site contamination (OU-3). The investigation is described in the detail in the *Remedial Investigation/Feasibility Study Work Plan for OU-3* (WSP, July 2008) and summarized as follows:

- Surface soil samples will be collected throughout the off-Site area and analyzed for lead as well as other constituents. A grided sampling plan will be used to define the impact of emissions from the Revere plant to surface soils.
- Sediment samples will be collected from the streams which emanate from the Site to determine the extent of any impacts to the sediments from the Revere Site.
- Monitoring wells will be installed and groundwater samples will be collected to determine the extent of groundwater impacts emanating from the Revere Site.
- A preliminary Fish & Wildlife Impact Analysis will be conducted to assess any impacts to the ecological resources in the off-site area.

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 OU-3 RI/FS 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 *Remedial Investigation, Final Report* for OU-1& OU-2, a copy of the *Remedial Investigation/Feasibility Study Work Plan* for OU-3, and the Orders on Consent identified 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 (summer 10am - 2pm)

Sunday: 1:00 pm - 5:00 pm (summer closed)

NYSDEC Region 3 Office

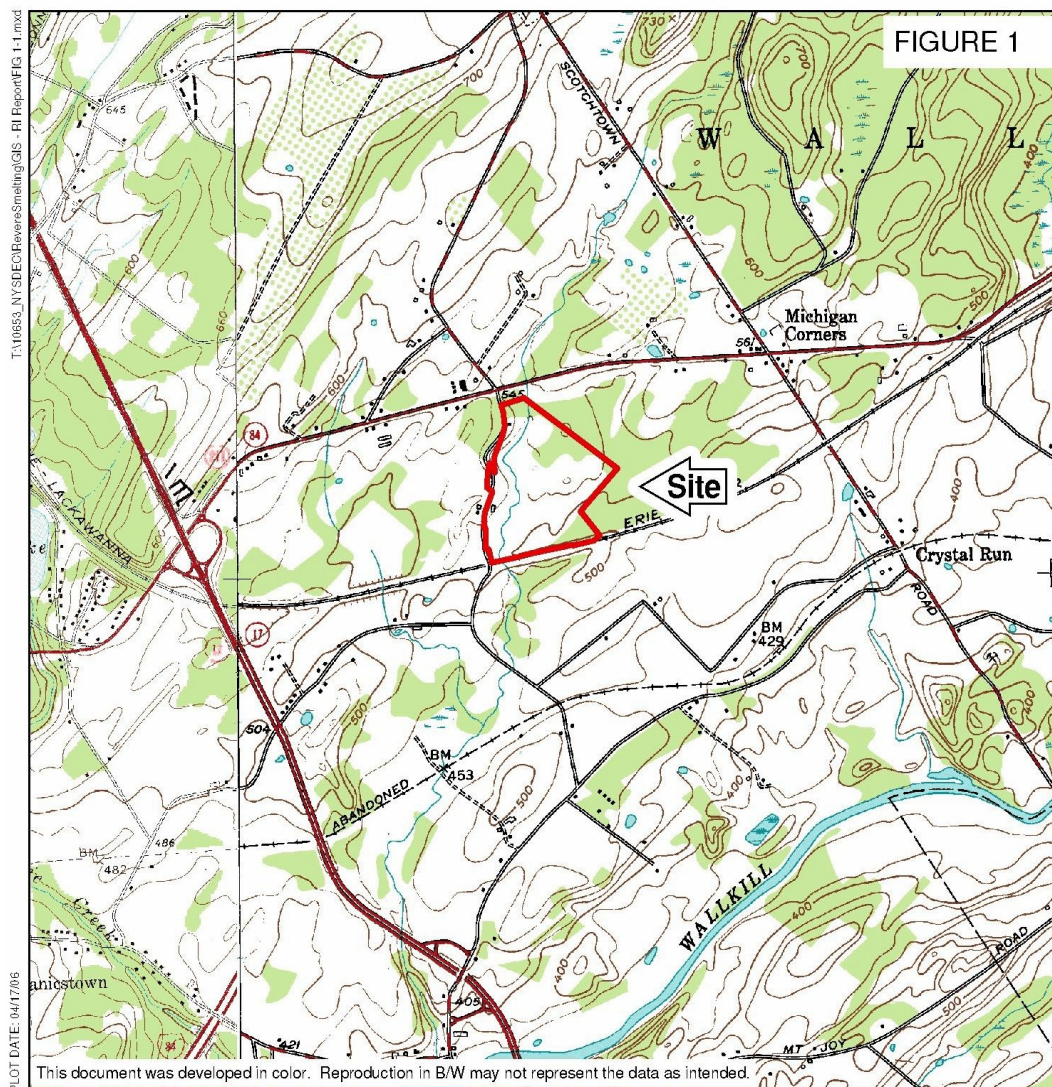
21 South Putt Corners Road

New Paltz, New York 12561

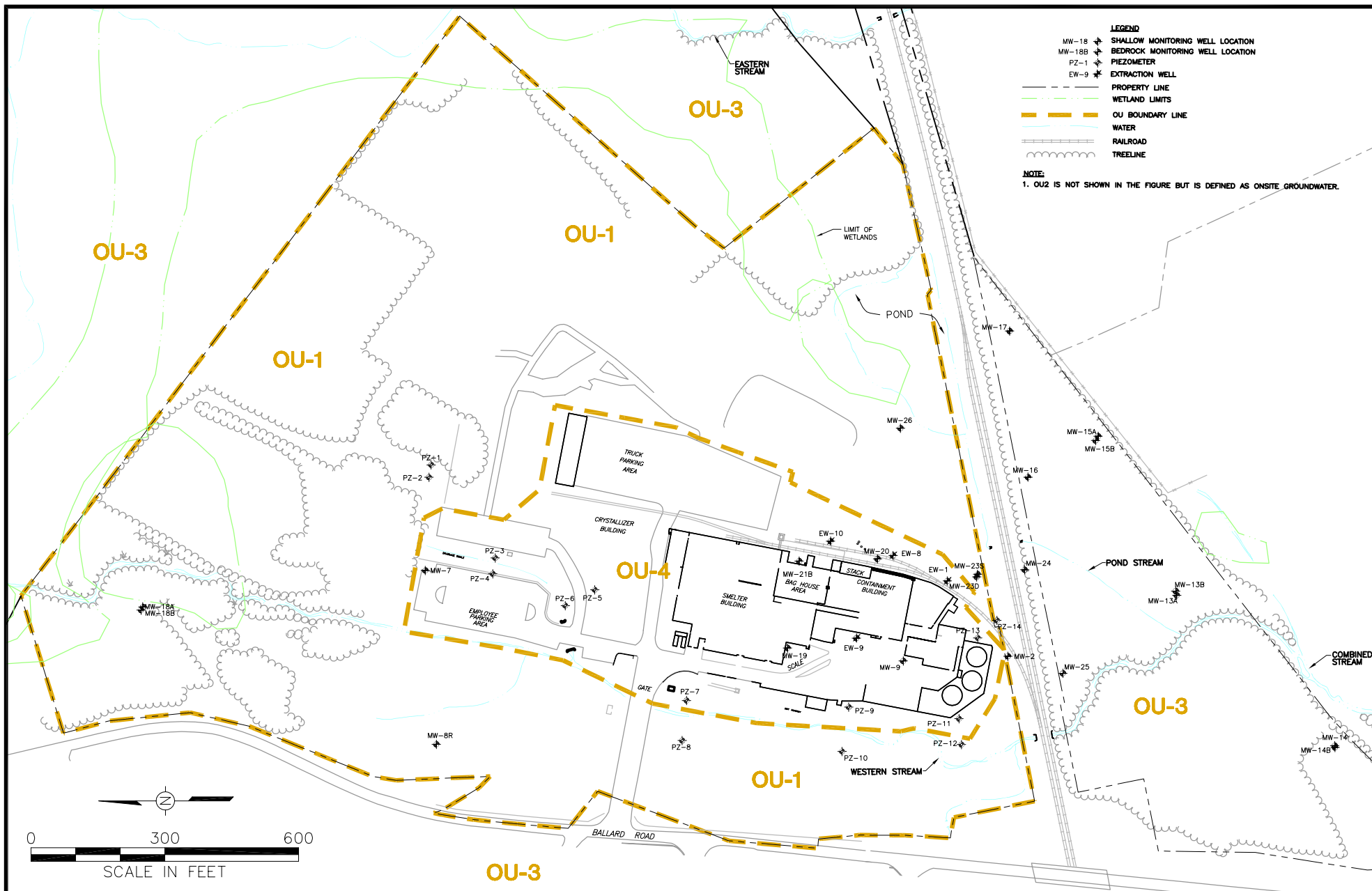
(845) 256-3154

(By appointment only)

Monday - Friday: 8:30 am - 4:30 pm



ADAPTED FROM: MIDDLETOWN AND GOSHEN, NY USGS QUADRANGLE



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MIDDLETOWN, NEW YORK

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WSP
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NEW YORK, P.C.