

Joseph A. Gowers – Project Manager  
Southern New Jersey Remediation Section  
USEPA Region II  
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New York, New York 10007-1866

Subject:

**Ringwood Mines/Landfill Site Monthly Report – October 2007**  
**Ringwood, New Jersey**

ENVIRONMENT

Dear Mr. Gowers:

This monthly report was prepared on behalf of Ford Motor Company (Ford) to summarize the activities conducted at the Ringwood Mines/Landfill Site during October 2007. Activities are proceeding in accordance with work plans that have been approved by the USEPA and NJDEP, and under the oversight of the US Army Corps of Engineers (USACOE).

Date:  
November 9, 2007

Contact:  
E. Zimmerman

Phone:  
201-684-1410

Our reference:  
NJ000604.0001

### **Activities Performed During This Period**

The following site investigation and remediation activities were completed during this period:

#### **Site Investigation**

- ARCADIS continued the Post-Reconnaissance Survey Site-wide Test Pit Investigation. Test pits were excavated on non-residential properties throughout the Site on October 31, 2007 (Test Pits #51 through #54, #78 and #79). The test pits were excavated under the supervision of USACOE.
- ARCADIS performed site-wide groundwater sampling and packer testing pursuant to the final Site-wide Groundwater Sampling Work Plan. USEPA supervised the sampling and collected split groundwater samples.
- ARCADIS obtained water samples from the Peters Mine Air Shaft pursuant to the USEPA-approved work plan. Samples were collected at 180 feet below land surface (bls) and 222 feet bls on October 17, 2007.
- ARCADIS and USEPA collected 10 surface soil samples within the Cannon Mine Area on October 23, 2007. This work was conducted in accordance with the approved work plan<sup>1</sup>.

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<sup>1</sup> Work Plan for the Investigation of the Cannon Mine Pit Area. ARCADIS US, Inc., August 2007.

## Removal Operations

### SR-6

- Silt fencing and straw bales were maintained along the perimeter and at disturbed areas for erosion and sediment control.
- Orange fencing was maintained around the perimeter and at designated access locations.
- 93 tons of hazardous materials were loaded out for off-site disposal.
- 627 tons of non-hazardous materials were loaded out for off-site disposal.
- Confirmatory test pits were installed along the perimeter and within the SR-6 excavation area under the supervision of USACOE.
- Post-excavation sampling was performed under USEPA oversight.
- Boulders were decontaminated, inspected and relocated outside of the SR-6 excavation area.
- Municipal trash, scrap metal, appliances and tires were collected from within the proposed excavation area, segregated and stockpiled.
- The surface removal of soil and debris on PSE&G property within the SR-6 area continued. Materials were removed and stockpiled within the excavation area for subsequent waste characterization.
- Air monitoring was conducted during all removal activities at SR-6 in accordance with the approved Site Health and Safety Plan and addendums. No exceedences were detected.

### SR-7

- Non-hazardous soils and drum remnants from West Area SR-9 and SR-11 were loaded out for off-site disposal.
- Air monitoring was conducted during all load-out activities at SR-7 in accordance with the approved Site Health and Safety Plan and addendums. No exceedences were detected.

### West Area SR-9

- Approximately 15 cubic yards of material from a sidewall of the SR-9 West Area excavation due to barium concentrations in EPA's split sample being above the current cleanup criteria. The soil was relocated to the SR-7 area for subsequent waste characterization.
- Air monitoring was conducted during all removal activities at SR-9 West Area in accordance with the approved Site Health and Safety Plan and addendums. No exceedences were detected.

### **Other Site Activities**

- Vibra-Tech installed a fourth vibration monitor near the Little Blue Pit off of Van Dunk Lane for the Cannon mine investigation.
- Joe Gowers, Mike McGowan, and Pat Seppi (USEPA) were onsite on October 18, 2007.
- Glen Van Olden, Director of the Hudson-Essex-Passaic County Soil Conservation district was on-site on October 19, 2007 and issued a report of compliance for the establishment of permanent stabilization of disturbed areas at SR-1 and SR-2.
- Over the past month, ARCADIS met with H2M representatives weekly to discuss site issues and proposed site activities. Additionally H2M representatives periodically observed on-going site activities at the SR-6 area.

### **Documents Submitted During October 2007:**

- ARCADIS submitted validated waste characterization results for drums/drum remnants removed from SR-9 West Area to USEPA on October 5, 2007;
- ARCADIS submitted the Monthly Report to USEPA and NJDEP on September 10, 2007;
- ARCADIS submitted validated waste characterization results for drums/drum remnants removed from SR-11 to USEPA on October 11, 2007;
- ARCADIS submitted the results of site-wide groundwater sampling performed during April 2007 to the USEPA on October 26, 2007; and
- ARCADIS submitted the validated results of water sampling performed within the Peters Mine Air Shaft and SR-8 shaft to USEPA on October 31, 2007.

### **Documents Approved/Comments Received:**

- ARCADIS received approval from the USEPA to implement the revised Cannon Mine Work Plan on October 1, 2007;
- ARCADIS received comments from the USEPA regarding the SR-9 West Area Tech Memo on October 9, 2007; and
- The USEPA directed ARCADIS to install an additional vibration monitoring point along Van Dunk Lane prior to the excavation of site-wide test pits on October 16, 2007.

### **Work Pending Approval**

- None

### **Percentage of Completion**

• Reconnaissance Survey:	100%
• SR-1 Surficial Paint Sludge / Soil Removal:	100%
• SR-2 Surficial Paint Sludge / Soil Removal:	100%
• SR-3 Surficial Paint Sludge / Soil Removal :	100% <sup>1</sup>
• SR-4 Surficial Paint Sludge / Soil Removal:	100% <sup>1</sup>
• SR-5 Surficial Drum Remnant Removal:	100%
• SR-6 Surficial Paint Sludge Removal	85%
• SR-7 Surficial Paint Sludge /Soil Removal	100% <sup>1</sup>
• SR-8 Surficial Paint Sludge /Soil Removal	100%
• SR-9 Surficial Paint Sludge /Soil Removal	100%
• SR-10 Surficial Paint Sludge/Soil Removal	100%
• SR-11 Surficial Paint Sludge/Soil Removal	100%
• SR-12 Surficial Paint Sludge/Soil Removal	100%
• Remote Drum Remnant Removal:	100%
• UST Removal	100%
• SR-1 & SR-2 areas - Restoration:	99%
• SR-3 area – Restoration:	0%
• SR-4 area – Restoration:	0%
• SR-9 area – Restoration:	99%
• SR-10 area – Restoration:	25%
• SR-11 area – Restoration:	90%
• SR-12 area – Restoration:	75%
• Test Pit Survey	95%
• Peters Mine Pit Investigation	95%
• O’Connor Disposal Area Investigation	95%
• Cannon Mine Pit Investigation	0%

#### Notes:

1. Removal completion within SR-3, SR-4, and SR-7 is dependent upon the results of the mine tailings investigation.

### **Community Outreach:**

- Provided Site tours for interested parties.

**Difficulties Encountered:**

- Removal of landfilled trash on the slope of SR-6 has been delayed pending a confirmation by the Borough of Ringwood that it will dispose of excavated nonhazardous materials.

**Upcoming Activities:**

Activities anticipated during the November 2007 reporting period include:

- The completion of surface removal activities within SR-6;
- The backfill and restoration of SR-10 and the western portion of SR-9; and
- Continuing the Cannon Mine Investigation.

Please do not hesitate to contact me if you have any questions or comments.

Sincerely,  
ARCADIS US, Inc.



Erich Zimmerman, PE  
Project Manager

Copies:

K. Petrone (NJDEP)  
K. Hetrick (Ringwood Borough)  
B. Bussa (Ford)  
T. Green (Ford)  
E. Carman (ARCADIS)