

**United States Environmental Protection Agency
Region V
POLLUTION REPORT**

Date: Monday, July 2, 2007

From: Tom Cook

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Subject: Ongoing Site Activities
Ingersoll Removal
1000 W 120th street, Chicago, IL
Latitude: 41.6764000
Longitude: -87.6469000

POLREP No.:	24	Site #:	B5CW
Reporting Period:	June 2-June 15, 2007	D.O. #:	0057
Start Date:	1/18/2006	Response Authority:	CERCLA
Mob Date:	4/16/2007	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:		Contract #	68S50604
RCRIS ID #:			

Site Description

See Initial POLREP.

Current Activities

During this reporting period, ERRS continued ongoing treatment of on-site contaminated water using the Springfield Belle treatment unit; excavation and stockpile of PCB-contaminated soil and sludge from the basement of former Building 920; mixing of sawdust with the sludge material for stabilization; transport and disposal of stockpiled PCB contaminated debris and backfill of portions of the excavation. START continued periodic sampling of treated effluent from the Springfield Belle.

ERRS completed removal of soil/sludge and liquid material of the north basement and portions of the west excavation area at the former site of building 920. Sawdust was mixed thoroughly with the material in order to stabilize it for stockpile and transport and disposal. Once all soil/sludge was removed, ERRS began backfill of the north basement excavation area on June 8, 2007 with construction fill, bricks and blocks. ERRS expect backfill of the southern basement as well as the remaining west side of the excavation complete by the next reporting period. The top six inches of the excavation area will be filled with a fine aggregate to grade.

On June 12, 2007, ERRS began pumping oily water from a pit inside Building 924 (on the north side) to the WWT pond for treatment. ERRS equipment operator also began removal of portions of a concrete floor in building 1014 using the large excavator and the hoe ram attachment. ERRS plan to remove the concrete floor slab and scrap the top 1-2 inches of surface soil so START can collect a composite soil sample. According to the 2007 Geoprobe site investigation, this area in Building 1014 (centrally located) detected PCB concentrations in soil at 190 mg/kg. Also in building 1014 (north side) ERRS and START located a manhole containing what appeared to be oil with significant staining in the vicinity. According to the Geoprobe investigation PCB concentrations were detected at 530 ppm at this location. ERRS will drum the oil and remove the soil around the manhole. ERRS will continue to canvass the site in an effort to address potential contaminants of concern based on findings from the February 2007 Geoprobe and subsurface investigation.

Treatment of on-site contaminated water continues with the Springfield Belle treatment unit as well as discharged of treated effluent through an on-site manhole. The treatment operator (for routine system maintenance) backwashed the filter media vessels inside the Springfield Belle on June 8 and 13, 2007 to remove impurities and resettle the media. START and ERRS continued to monitor effluent analytical

results to ensure compliance with the pollution concentration limits set forth by the Metropolitan Water Reclamation District (MWRD). To date, approximately 227,400 gallons of water have been treated and discharged. ERRS also completed transport and disposal of low-level PCB contaminated soil and debris to the Newton County Landfill in Brooks, IN on June 13, 2007. During this reporting period, approximately 17 haul trucks each with a load capacity of 20 CY, transported low-level PCB contaminated soil and debris off-site for final disposal. To date the transport and disposal totals approximately 1,560 CY all of which were removed from the excavation area at the former site of Building 920.

SAMPLING ACTIVITIES

START personnel collected a fourth round of effluent samples (after 50,000 gallons were discharged) on June 8, 2007 from a valve inside the Springfield Belle treatment unit. A total of 8 samples were collected and picked-up by Microbac Laboratories for analysis of metals, VOCs, SVOCs, oil & grease, PCBs/Pesticides and total cyanide.

Analytical results from the effluent samples collected on June 1, 2007, resulted in non-detect for SVOCs, VOCs, PCBs/Pesticides, total cyanide and oil and grease. Metal analytical results (for copper 0.01 mg/L iron 1.3 mg/L, lead 0.012 mg/L and zinc 0.037 mg/L) were all detected below MWRD concentration limits. START collected two soil samples from a 20 foot by 30 foot grid area southeast of Building 912 and a pile of soil from the grid on June 1, 2007. The samples were analyzed for total lead. Lead analytical results detected 120 mg/kg from the grid area (Soil-Grid912-060107-01) and 160 mg/kg from the stockpile in building 912 (Soil-Pile-060107-01). These concentrations are below the 400 mg/kg Illinois Tiered Approach to Corrective Action Objectives, Tier 1 Ingestion Remediation Objectives.

On June 25, 2007, a representative from the Metropolitan Water Reclamation District was on site to collect a discharge sample from the Springfield Belle.

Planned Removal Actions

- Continue to pump and treat contaminated water from pits, vaults and the Spray Pond using the Springfield Belle treatment unit and;
- Continue daily discharge of treated effluent.

Next Steps

- Continuous pump and treat activities from Springfield Belle mobile water treatment unit and;
- Continue to sample effluent for metals, SVOCs, VOCs, oil & grease and PCBs/Pesticides and total cyanide every 50,000 gallons of water discharged and;
- Continue backfill of excavation at the site of former Building 920 with fill and construction debris (i.e. bricks/blocks);
- Remove concrete slab from machine stage in Building 1014 that is contaminated with PCBs;
- Clean off containment slab and oil pit in Building 1014 that are contaminated with PCBs; and
- Document and inventory the location, size, and contents of pits and vaults inside various site buildings.

Key Issues

- Maintain documentation of effluent volume and sample collection and;
- Ensure that effluent complies with MWRD pollution concentration limits prior to sewer discharge.
- Address contaminants of concern throughout the site based on findings from the site's February 2007 Geoprobe and subsurface investigation.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$2,100,000.00	\$2,052,334.00	\$47,666.00	2.27%
RST/START	\$272,000.00	\$262,435.00	\$9,565.00	3.52%
Intramural Costs				
Total Site Costs	\$2,372,000.00	\$2,314,769.00	\$57,231.00	2.41%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost

accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

response.epa.gov/IngersollRemoval

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