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# Voluntary Cleanup Program

## **Progress Report**

**July 2009**

Former Churchville Ford Site (#V00658-8)  
111 South Main Street  
Village of Churchville  
Monroe County, New York

This progress report covers the month of July 2009.

### **Activities Relative to Site for Period**

On April 29, 2009 Okar Equipment Company, Inc. granted Lu Engineers a notice to proceed with the activities outlined in the NYSDEC approved Remedial Action Work Plan, dated December 2008.

In the month of May 2009, Lu Engineers supervised the installation of 5 shallow injection wells by Trec Environmental as per the approved RA Work Plan. Four of the wells were installed inside the building, up-gradient and cross-gradient from the source area. One injection well was installed outside, north of the source area. The Remox 40% permanganate solution was delivered to the Site on May 29, 2009 and stored appropriately inside the building away from incompatible materials.

In the month of June 2009, Lu Engineers and Trec Environmental, Inc. conducted the first two injection events of 3% permanganate solution at the Former Churchville Ford facility. This process included correspondence and coordination with Region 8 of the NYSDEC.

During the month of July, two permanganate injection events were conducted. The third overall event was completed on July 7, 2009 and the fourth event was completed on July 22, 2009. A total volume of 65.5 gallons of 3% permanganate solution was injected on July 7, 2009. The volume of solution pumped into each of the 1" injection wells was cut in half due to complications encountered during the June events (see June 2009 monthly report for details). Once these complications were corrected, a total volume of 108 gallons of 3% permanganate solution was injected on July 22, 2009. The permanganate solution was introduced by gravity in monitoring wells MW-1, MW-3 and MW-6 as outlined in the RAWP.

In general, injection pressures observed during introduction of the chemical solution remained at 10 psi or less. A total of 173.5 gallons of 3% permanganate solution was injected into the groundwater at a rate averaging approximately 0.85 gallons per minute during this period.

### **Activities Anticipated for Next Period**

Site activities planned for next month include two injection events with the Remox solution, spaced approximately 2 weeks apart as well as a second round of groundwater sampling from wells MW-3, MW-13 and MW-JCL-2, as per the RAWP.

### **Approved Site Activity Modifications**

There were no deviations from or modifications of the RAWP during this period.

### **Sampling/Testing Results**

On July 22, 2009 groundwater samples were collected from wells MW-13 and MW-JCL-2 as per the approved RAWP. Monitoring well MW-JCL-3 was inaccessible and therefore not sampled. Groundwater samples were analyzed for VOCs and TAL Metals. Analytical results indicate that no detectable concentrations of VOCs exist in MW-13. Well MW-JCL-2 revealed detectable

concentrations of cis-1,2-DCE, tetrachloroethene and trichloroethene. Based on the concentrations of these compounds in comparison with previous sampling results, it appears that the permanganate solution is enhancing the degradation of these constituents.

It is anticipated that groundwater samples, colormetric testing and groundwater level measurements will be conducted again in August. Groundwater sampling will be conducted on all three wells outlined in the RAWP during this period.

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