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# Voluntary Cleanup Program

## **Progress Report**

**December 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 December 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.

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 2009, 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 173.5 gallons of 3% permanganate solution was injected in July 2009. The permanganate solution was introduced by gravity in monitoring wells MW-1, MW-3 and MW-6 as outlined in the RAWP.

During the month of August 2009, one permanganate injection event was conducted. On August 4, 2009 (fifth injection event) a total of 134 gallons of 3% permanganate solution was injected into the groundwater. On August 25, 2009, a new injection well was installed within the source area. This well was placed between existing wells MW-JCL-2 and MW-3. The new well was screened from 17 to 12 ft. bgs.

On September 4, 2009 Lu Engineers issued a *Technical Memorandum* to the NYSDEC describing chemox injection progress, difficulties encountered with vertical and horizontal dispersion of permanganate solution as well as the details associated with the proposed source-area injection well (installed 8/25/09). The sixth injection event was conducted on September 16, 2009. A total of 69 gallons of 3% permanganate solution was injected into the groundwater. Due to mechanical problems with the GS2000 injection pump pertaining to possible HASP concerns, no other injection was conducted on this day.

Two injection events were conducted during the month of October. On October 9, a total of 174 gallons of 3% permanganate solution was injected into the groundwater. Each of the 5 interior injection wells received 23 gallons of solution while the new source area well received 46 gallons. On October 30, the eighth injection event was conducted in which 176 gallons of 3% permanganate solution was injected into the groundwater at the same locations.

On November 20, 2009 one injection event was conducted in which a total of 176 gallons of 3% permanganate solution was injected into the groundwater. Each of the 5 interior injection wells received 23 gallons of solution while the new source area well received 46 gallons.

On December 11, 2009 one injection event was conducted in which 69 gallons of 3% permanganate solution was injected. Source area injection well IW-JCL-8 received 46 gallons and interior injection well IW-JCL-7 received 23 gallons.

Following injection at the first two points, a mechanical problem developed with the injection pump which ended the injection process for the day. TREC Environmental will make the necessary repairs to the injection pump prior to the final injection event being conducted. It should be noted that no permanganate solution was spilled on the ground or floor surface when the injection pump developed the mechanical problem. Approximately 204 gallons of 3% permanganate solution remains to be injected as per the approved RAWP.

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

Site activities planned for next month include one final injection event with the Remox solution. A third round of groundwater sampling from wells MW-3, MW-13 and MW-JCL-2 is also anticipated, as per the RAWP.

#### **Approved Site Activity Modifications**

There were no modifications made to Site activities during this period.

#### **Sampling/Testing Results**

No sampling was conducted during this month.

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