
Voluntary Cleanup Program

Progress Report

September 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 September 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 46 gallons of 3% permanganate solution was injected into the new source area well (IW-JCL-8) and 23 gallons was injected into IW-JCL-7 (replacement well for exterior IW-JCL-5) for a total of 69 gallons. Due to mechanical problems with the GS2000 injection pump pertaining to possible HASP concerns, no other injection was conducted on this day. In general, injection pressures observed during introduction of the chemical solution remained at 10 psi or less at both wells. To date, a total of 604 gallons of 3% permanganate solution has been injected into the groundwater at the Site. Approximately 625 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 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

A new injection well was installed in the source area between existing wells MW-3 and MW-JCL-2 to 17' bgs (deeper than others). Refer to the Lu Engineers *Technical Memorandum* dated September 4, 2009 for a description of the additional injection well installation.

Sampling/Testing Results

Due to mechanical difficulties experienced with the injection pump and only a limited single injection event being conducted, no groundwater samples were collected during this period. It is anticipated that groundwater samples, colormetric testing and groundwater level measurements will be conducted again in October. Groundwater sampling will be conducted on all three wells outlined in the RAWP during this period.
