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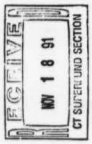
FUSS&O'NEILL
consulting engineers



November 14, 1991

Ms. Lucy Conley, RPM
US Environmental Protection Agency
Waste Management Division
JFK Federal Building (HEC-CAN6)
Boston, MA 02203-2211

RE: Linemaster Switch Corporation
Monthly Progress Report No. 24 (October 1991)

Dear Ms. Conley:

In accordance with the U.S. Environmental Protection Agency Administrative Order By Consent Docket No. I-91-1104, effective date October 7, 1991, for the above referenced site, the following is a monthly progress report in accordance with paragraph 30 of the Order. This report contains a description of the progress that has been made toward achieving compliance with the Order, a summary of recently received data and a schedule of anticipated activities.

Progress Description

In conjunction with Attachment A to the Administrative Order By Consent, the Statement of Work for the RI/FS, and particularly, Figure 1-Flow Diagram of RI/FS Process and Table 1, the following Deliverables were submitted on November 4, 1991.

1. Work Plan Remedial Investigations/Feasibility Study which included:

   A. Project Operations Plan
      1. Site Management Plan
      2. Sampling and Analysis Plan (SAP) which includes the Field Sampling Plan (FSP - for the two separate field investigations) and the Quality Assurance Project Plan (QAPP)
      3. Health and Safety Plan (HSP)
      4. Community Relations Support Plan

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B. Applicable or Relevant and Appropriate Requirements (ARARs)

C. Identification of Remedial Response Objectives

D. Expanded Schedule for the RI/FS

2. Phase 1A RI

A. Initial Site Characterization Report including the Data Base (included in 2 copies of the reports as marked on the cover) and the Phase 1B Work Plan.

Monitoring well cluster MW-27db,sb and t were installed in the north part of the site in accordance with our letter of August 13, 1991.

Monthly, Bi-monthly, quarterly, semi-annual and annual water supply well sampling and analysis was conducted on August 22, 23 26, and 28, and on September 5 and 24, 1991. These sampling events included the 22 additional well requested by CT DEP.

Bottled water is still supplied to the Linemaster facility. The design of a granular activated carbon filter system for the facility was approved by the CT DEP and Department of Health Services on September 6, 1991. The filters have been ordered. Delivery is anticipated by mid-November with installation to follow immediately thereafter. It is anticipated that the use of bottled water will be discontinued 2-4 weeks after start-up of the system.

Bottled water is still supplied to the Parent residence. Analysis of the water sample collected from the bedrock well in July indicates that water quality in the bedrock well is within the Connecticut water quality standards. The water quality of the overburden well exceeds the action limits only for iron, color and colifirms. A review of historical TCE detections reveals that the 5 ppb limit has not been exceeded since October 1988. Even this exceedence may have been a sample from the overburden well as there was no distinction from which well the sample was collected.

The treatment systems at the Town Hall (GW-40) and at the Tarr Apartments (GW-06) continue to function properly and are removing VOCs to below detection limits as indicated by the monthly and quarterly analyses respectively.

Data Summary

The Initial Site Characterization Report contains the data collected during the RI/FS. Since submission of this report, additional data has been received from the laboratory. This data is the remaining soil background metals data. Attached is Table 3-6 from the Initial Site Characterization Report which has been updated with the recently received soil data.

Schedule of Activities

The dewatering and observation well installations for the Zone 1 Dewatering Feasibility Study, approved by EPA in a letter dated October 21, 1991, are scheduled to occur from November 18 to December 2, 1991. No drilling is scheduled to occur on November 29 the day after Thanksgiving. After the wells are installed, slug tests will be conducted. A plan detailing the pumping test as indicated in our letter of October 4, 1991, will be prepared and submitted after the well installations and slug tests are completed.

The remaining field activities for the background water level studies are tentatively scheduled to occur during the week of November 18, 1991.

The research on residential well construction will be conducted in November and December. Bi-monthly and quarterly sampling for the Interim Water Supply Monitoring Program will occur in December.

The design of the Interim Removal system is progressing. Mechanical components of the system have been sized and the layout of the system in the proposed treatment building has been completed. The control and wiring diagrams are being prepared and coordinated with the Linemaster electrician and electrical subcontractor. The proposed system will consist of an

equalization tank followed by an air stripper and granular activated carbon filters prior to gravity discharge. As soon as the components of the system are coordinated with the existing facilities, the plans will be submitted to the DEP and EPA.

Preliminary approval of the application for an air operating permit for the air stripper has been obtained from the CT DEP Bureau of Air Management.With this approval construction of the air stripper may commence. A permit to operate will be required from the Bureau of Air Management will be required prior to operation. This usualy is obtained after the Bureau conducts an inspection of the completed facility.
If you have any questions or require additional information, please do not hesitate to call.

Very truly yours,

David L. Bramley, P.E.
Senior Environmental Engineer

Reviewed by,

Christopher R. Klemmer, P.E.
Associate

Enclosure

cc: John Maloney - Linemaster Switch Corp.
Gary Kennett - Linemaster Switch Corp.
Al Smith - Murtha, Cullina, Richter & Pinney
Naomi Davidson - CT DEP

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TABLE 3-6

BACKGROUND METALS CONCENTRATIONS IN SOILS

INITIAL SITE CHARACTERIZATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT
NOVEMBER 1991

Sample Location	Depth of Sample (ft)	Parameter	Reported Value	Unit	Sample Date
BK-1	3.5-5.5	Aluminum, Total	22300	mg/Kg	06/24/91
		Arsenic, Total	7.37	mg/Kg	
		Barium, Total	127	mg/Kg	
		Beryllium, Total	0.8	mg/Kg	
		Cadmium, Total	1.7	mg/Kg	
		Chromium, Total	72.9	mg/Kg	
		Copper, Total	17.0	mg/Kg	
		Lead, Total	6.37	mg/Kg	
		Magnesium, Total	7750	mg/Kg	
		Manganese, Total	348	mg/Kg	
		Nickel, Total	41.4	mg/Kg	
		Vanadium, Total	46.7	mg/Kg	
		Zinc, Total	48.9	mg/Kg	
BK-2	3.5-5.5	Aluminum, Total	21100	mg/Kg	06/24/91
		Arsenic, Total	9.90	mg/Kg	
		Barium, Total	55.1	mg/Kg	
		Beryllium, Total	0.9	mg/Kg	
		Cadmium, Total	1.3	mg/Kg	
		Chromium, Total	42.8	mg/Kg	
		Copper, Total	8.8	mg/Kg	
		Lead, Total	16.1	mg/Kg	
		Magnesium, Total	5430	mg/Kg	
		Manganese, Total	226	mg/Kg	
		Nickel, Total	21.7	mg/Kg	
		Vanadium, Total	33.0	mg/Kg	
		Zinc, Total	39.5	mg/Kg	
	5-7	Aluminum, Total	17700	mg/Kg	06/24/91
		Arsenic, Total	11.8	mg/Kg	

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Revised 11/14/91

TABLE 3-6 (Continued)

BACKGROUND METALS CONCENTRATIONS IN SOILS

INITIAL SITE CHARACTERIZATION
LINEMASTER SWITCH CORP.
WOODSTOCK, CONNECTICUT
NOVEMBER 1991

Sample Location	Depth of Sample (ft)	Parameter	Reported Value	Unit	Sample Date
BK-2	5-7	Barium, Total	55.4	mg/Kg	06/24/91
		Beryllium, Total	0.8	mg/Kg	
		Cadmium, Total	1.3	mg/Kg	
		Chromium, Total	44.9	mg/Kg	
		Copper, Total	8.4	mg/Kg	
		Lead, Total	1.15	mg/Kg	
		Magnesium, Total	6400	mg/Kg	
		Manganese, Total	208	mg/Kg	
		Nickel, Total	22.3	mg/Kg	
		Vanadium, Total	31.5	mg/Kg	
		Zinc, Total	39.9	mg/Kg	

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Revised 11/14/91