



AC Rochester

P.O. Box 1790
Rochester, New York 14692-1790 USA

February 15, 1991

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FEB 20 1991

Region III Headquarters

Mr. Ben Hall
Environmental Response Division
Region III Headquarters
Michigan Department of Natural Resources
P.O. Box 30028
Lansing, MI 48909

Re: Linden Road Landfill Progress Report

Dear Mr. Hall,

Enclosed is a progress report prepared by Weston describing work conducted on the Linden Road Landfill Project from November 15, 1991. Please call me at (716) 647-4766 if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads 'Richard C. Eisenman'.

Richard C. Eisenman
Senior Environmental Engineer
Divisional Environmental Activities

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ROY F. WESTON, INC.
THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, ILLINOIS 60061
708-918-4000

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FEB 20 1991

Region III Headquarters

12 February 1991

Mr. Richard C. Eisenman
Senior Environmental Engineer
General Motors, AC Rochester Division
Divisional Environmental Activities Group, NY
1000 Lexington Avenue, P.O. Box 1790
Rochester, New York 14692

Work Order No.: 1138-58-02

Subject: Progress Report
Linden Road Landfill Project
11/15/90 through 01/31/91

Dear Mr. Eisenman:

This purpose of this letter is to summarize activities related to the Linden Road Landfill project between 15 November 1990 and 31 January 1991. The following sections of the letter reviews: the progress made this reporting period; significant findings; problem areas; laboratory work; subcontracted activities; deliverables submitted; and planned activities/events.

Progress Made this Reporting Period

A five-member field team from Roy F. Weston, Inc. (WESTON) mobilized to the site on 26 November 1990. Field work was conducted from 27 November 1990 through 2 December 1990. Activities performed during this period included sampling pertaining to the Interim Remedial Measures Evaluation (surface waste characterization), and geophysical investigations covering the entire site.

As specified in the Interim Remedial Evaluation (IRME) Work Plan, representative samples were collected from the "red barren" areas (RBAs), wood block areas (WBAs), oil disposal area (ODA), surface sludge areas (SSAs), and from surficial drums (DRAs). A total of 5 composite soil samples were prepared in the field from numerous discrete samples collected from individual RBAs. Several discrete samples collected from WBAs were composited in the laboratory to form 5 composite samples for analysis. A single composite sample was collected each from the contents of the oil disposal area and its side wall. Compatibility screening was performed on all of the

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SSA and DRA samples. Based upon the results of the compatibility screening the number of composite and discrete samples for analysis were determined. A total of 10 SSA samples and 9 DRA samples were subjected to chemical analysis. All sampling and analytical protocols were consistent with those described in the IRME Work Plan and the approved modifications thereof.

All the laboratory analytical results have been received and are currently being validated. Upon validation, reduction, and tabulation, these results will be made available to GM.

The geophysical investigations consisted of both an electromagnetic (EM) and a supplementary magnetometer survey. The findings of these surveys are currently being evaluated with particular reference to the forthcoming site investigations.

Conference calls were held between GM and WESTON personnel on 22 and 23 January 1991 to discuss preliminary findings of the IRME.

Significant Findings

A detailed walk-through was conducted at the site on 27 November 1990 in order to finalize sampling for the IRME. There were no new features identified during this walk-through compared to those described in the Phase I Environmental Assessment Report. Findings of the sample analysis will be reported after validation, reduction, and tabulation of data. Preliminary geophysical survey findings compare well with those of the historical aerial photo interpretation results. The geophysical survey results are currently being evaluated in detail.

Problems Areas - Encountered/Resolved/Anticipated

No major problems were encountered during field activities. Weather conditions made the access roads within the site unusable. The same problem may arise during field activities in the spring. It is recommended that gravel be placed along the main access roads before spring.



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Laboratory Work

All laboratory work during the current reporting period were performed at the WESTON-Gulf Coast Laboratories, University Park, Illinois. During laboratory analysis some of the samples analyzed for pesticides/PCBs (totals) had to be re-run for total PCBs alone in order to lower the detection limits to acceptable limits.

Subcontracted Activities

As part of the IRME, a cartesian grid coordinate system was established over the entire site for horizontal and vertical site control. This grid system was based upon surveyed markers and was set at 100-foot intervals. The grid coordinate system was marked using stakes and flags to identify each grid sector. This work was performed by Hubbell, Roth & Clark, Inc., Bloomfield Hills, Michigan, under a separate contract with GM.

Deliverable(s) Submitted

No deliverables were submitted during this reporting period.

Planned Activities and Events

Field activities at the site are expected to resume during the third week of April 1991. The following tasks will be performed between now and April 1991.

- Validate, reduce, and tabulate IRME analytical data.
- Compile all field data and prepare maps and diagrams.
- Evaluate IRME findings and characterize surficial waste.
- Determine the need for any interim remedial measures.
- Begin prepare the IRME Report
- Evaluate geophysical survey results and prepare a report of the findings.



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- Determine the need to modify the Site Investigation Work Plan based on IRME and geophysical investigations findings.
- Prepare to mobilize for Site Investigation activities

WESTON will continue to report to GM as work progresses. The next progress report will be submitted on 1 April 1991. If you have any questions or need additional information, please call either of the undersigned at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

S. Babusukumar
Project Manager

Scott D. Springer
Project Director

SB:SDS/slr

cc: R. Neahusan
M. Mathews
E. Peterson