

September 8, 1995
File No. 31030.00

Mr. Dennis aRusso, Environmental Manager
R.I. Solid Waste Management Corporation
Central Landfill
65 Shun Pike
Johnston, Rhode Island 02919



Re: Central Landfill Operable Unit 2 RI/FS
Progress Report No. 8
Work Period: August 10, 1995 to September 8, 1995

140 Broadway
Providence
Rhode Island 02903
401-421-4140
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Dear Mr. aRusso:

This letter with attachments serves as the eighth progress report prepared by GZA GeoEnvironmental, Inc (GZA) associated with activities completed to date on the Central Landfill Operable Unit 2 Remedial Investigation/Feasibility Study (RI/FS). This progress report has been prepared in accordance with the requirements of Section 37 of the Administrative Order by Consent, U.S. EPA Docket No. I-87-1016. We prepared this letter on behalf of the RISWMC in accordance with the terms and conditions of our June 30, 1995 Environmental Engineering Services Contract.

Please do not hesitate to call me at ext. 320 with any questions or comments regarding this information.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read 'E. Summerly', written over a horizontal line.

Edward A. Summerly, P.G.
Project Manager

A Subsidiary of GZA
GeoEnvironmental
Technologies, Inc.

EAS:pam

Attachments: Progress Report No. 8

Mr. James Brown/USEPA
Ms. Becky Cleaver/HNUS
Mr. Greg Fine/RIDEM

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PROGRESS MADE THIS REPORTING PERIOD

Deliverables/Correspondence/Meetings



The following deliverables were submitted to EPA and RIDEM by GZA on RISWMC's behalf:

- "Draft Sampling and Analysis Plan (SAP) for Operable Unit 2 Remedial Investigation" (OU2/RI) dated September 6, 1995.

RISWMC has received the following technical correspondence from EPA:

- August 17, 1995 approval letter for the "Draft Data Report and Field Sampling Plan - Operable Unit 2/Task 5, Residential Well Survey."
- September 5, 1995 comments to Section 2.0 of the "Draft Work Plan for the Baseline Risk Assessment of Operable Unit 2 "dated June 1995.

GZA and RISWMC are currently reviewing the EPA and RIDEM comments to the Risk Assessment Work Plan. A summary of OU2 Phase I RI Work Tasks is included in the OU2/RI SAP as Table 1. We are currently awaiting final EPA comments on Task 6 (the Pumping Test).

Well Installations/Task 4

Final field activities for OU2/Task 4 were completed during this reporting period. As reported in Progress Report No. 7, GZA was unsuccessful in installing the Well Wizard Sampling System in MW95-ML9C: the ML9C packer, which was designed to hang at a depth of 271 feet, stopped at a depth of approximately 256 feet. We decided to evaluate the size and extent of the well constriction using various size slugs. A 1 1/4-inch ID, 3-foot long schedule 40 steel slug was passed to the bottom of the well. However, our similarly constructed 1 1/2-inch ID slug was too large to get close to the constriction point. We elected to set the original Well Wizard packer approximately 20 feet above the approved depth.

On August 30, 1995, GZA personnel reinstalled the Well Wizard Sampling System. The packer is set to a depth of 252 feet. In this configuration, MW95-ML9C is screened from 273 to 293 feet with the sampling intake at 273 feet. The packered interval is 39 feet in length which we do not believe will have any effect on sample quality; however, it will increase required purge times.

The OU2/Task 4 Data Report is scheduled to be submitted to EPA by Monday October 2, 1995, as described in our September 1994 Field Sampling Plan.



Stream Flow Measurements/Task 3

Stream flow measurements have been taken in substantive conformance to the procedures described in GZA's "Revised Work Plan for Central Landfill, Operable Unit 2 Remedial Investigation, Task 3, Stream Flow Measurements," dated May 1995. Weekly measurement of these stream flows have been recorded starting on July 27. This data will be incorporated in the quarterly report to be submitted in October of 1995.

UPCOMING EVENTS/ACTIVITIES

Field Activities

Stream Flow Measurements/Task 5. Field activities for this task will continue into the next reporting period and will likely include the following: 1) Weekly flow measurements at each measurement location; 2) a monthly check of gage staff elevations; and 3) a visual estimation of flow through the dam between the Upper and Lower Simmons Reservoirs at low flow conditions.

Hot Spot Area Test Pits/Task 7. Field activities for this task are tentatively scheduled as follows: 1) subcontractor mobilizes to the site on September 25, 1995; 2) five days of test pit excavation beginning on September 26 and proceeding through October 2, 1995; and 3) one to two days of decontamination of equipment, hydroseeding excavation areas and demobilization from site.

Please note that field activities are highly dependant on the weather and the availability of subcontractors and equipment and are thus subject to change. We will notify EPA and RIDEM as such changes become evident.

KEY PERSONAL CHANGES



Mr. David Capacchione has been added to the GZA project team. Mr. Capacchione will serve as a field technician in support of future field activities. No other changes or substitutions have been made to the team for the OU2 RI/FS. Michael Powers is the Principal in Charge and technical reviewer for the RI, Edward Summerly is the Project Manager for the RI/FS/RA projects and technical lead on the RI project, Douglas Larson is the technical lead on the FS project, Albert Ricciardelli is the technical reviewer for the FS, Gregg McBride is technical reviewer for the RA, Lisa Camp is the Human Health risk assessment specialist, Timothy Briggs is the wetlands and ecological risk assessment specialist, Stephen Kline and Matthew Bellisle are the project engineers, and Mark Dalpe is the project field geologist.

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