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6 January 1986
File Nos. 455-102/103

Mr. Edgar Kaup
NJ Department of Environmental Protection
Division of Waste Management
Hazardous Site Mitigation Administration
428 East State Street
Trenton, New Jersey 08608

Re: Combe Fill South Landfill RI/FS
Progress Report

Dear Mr. Kaup:

This letter summarizes work conducted by Lawler, Matusky & Skelly Engineers (LMS) and its subcontractors from 1 December to 31 December 1985.

A. TASK WORK AND DELIVERABLES

1. Task 1 - Preinvestigation Activities

LMS submitted all Task 1 deliverables at the end of August 1984.

2. Task 2 - Site Investigations and RI Report

On 3 December LMS and its subcontractor, R. E. Wright Associates, Inc. (REWAI) met with its representatives of the NJDEP and the EPA in Trenton, New Jersey. The status of the Task 2 work was discussed and preliminary data summaries were distributed. (See progress report for November for additional details about this 3 December meeting.)

A preliminary due date for the draft Task 2 report (Draft RI) has been set for late January-early February 1986. The lateness of receipt of a portion of the analytical data has somewhat set back the project schedule for production of the RI report. To date, not all data has received a final QA/QC review at LMS (see attached Table 1).

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On 16 December 1985 a meeting was held among R. Maikish and K. Wright (both of LMS), E. Kaup and R. Myers (both of NJDEP Hazardous Site Administration) and R. Dime and J. Savrin of the Risk Evaluation group of the NJDEP to discuss how and to what extent risk evaluation would be conducted for the Combe Fill South project. Although not required as part of the project contract, LMS will attempt to address the major risk assessment issues for the project, particularly, in the development of the Task 2 report. (See meeting minutes dated 20 December 1985.)

At the request of D. Toder, LMS summarized the relevant well information from the questionnaires of the potable well survey. A table of this information was sent on 24 December 1985.

3. Task 3 - Objectives and Alternatives Development

Subsequent to the receipt of comments on our tabular summary of technologies, which was distributed for review at our 3 December meeting, LMS incorporated this table and its revisions into a memorandum on the screening process. (This memorandum will subsequently become part of the FS report.) The memorandum was then distributed for additional review and comment. LMS will combine those technologies, passing this screening into alternatives, formulated to address site objectives. These alternatives will be evaluated for their overall feasibility, environmental impacts and costs in order to arrive at a final list of alternatives for detailed analyses. This preliminary evaluation of alternatives will be documented in a memorandum which will eventually become part of the FS report.

4. Task 4 - Laboratory Analysis and Treatability Study

The status of the analytical laboratory work has been previously described above under Task 2. LMS is preparing a work scope memorandum for a possible treatability study. This memorandum should be completed by mid-February. A meeting with the NJDEP on this work scope will be held in late January or early February.

5. Task 5 - Evaluation of Alternatives

Work in this task has begun with the tabulization of site chemical characteristics, pathways, reactions and possible treatment processes. Much of the background information for the evaluation of technologies in Task 3 overlaps work necessary in Task 5.

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6. Task 6 - Conceptual Design and Final (FS) Report

No work has been performed in this task.

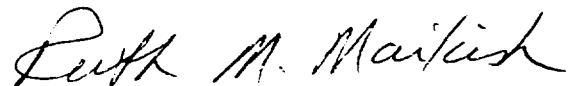
C. PERCENT COMPLETION

The percent completion of the project's tasks, based on their revised budget allocations, are as follows:

Task 1	-	100%
Task 2	-	90%
Task 3	-	60%
Task 4	-	15%
Task 5	-	0%
Task 7B	-	<u>70%</u>
Project Total		80%

If you have any questions, please call.

Very truly yours,



Ruth M. Maikish
Senior Project Manager

RMM:gmk

Attachment

cc: E. Kaup, NJDEP (4)
C. Boyer, REWAI
K. Stoddard, EPA Region II

30310

Lawler, Matusky & Skelly Engineers

STATUS OF DATA (Page 1 of 4)

SAMPLING PROGRAM	SAMPLE ID	SAMPLE DATE	DATE RECEIVED AT LMS	DATE QA/QC COMPLETED BY LMS	DATE TRANSMITTED TO NJDEP
Potable Well	Baltycki	8/20/85	9/24/85	9/26/85	10/1/85
	Swinson	8/21/85	9/26/85	9/26/85	10/1/85
	Hoffman	8/20/85	9/26/85	9/26/85	10/1/85
	Early Childhood Center	8/20/85	9/24/85	9/26/85	10/1/85
	Hall	8/20/85	9/20/85	9/26/85	10/1/85
	Harrington	8/21/85	9/24/85	9/26/85	10/1/85
	Seals	8/20/85	10/3/85	10/7/85	10/10/85
	Price	8/20/85	9/20/85	10/7/85	10/10/85
	Kast	8/20/85	9/20/85	10/7/85	10/10/85
	Bostick	8/22/85	10/1/85	10/7/85	10/10/85
	Ram	8/22/85	10/24/85	10/24/85	10/25/85
	Cole	8/22/85	10/24/85	10/24/85	10/25/85
	Manfredonia	8/21/85	10/17/85	10/18/85	10/25/85
	McLaughlin	8/22/85	10/1/85	10/28/85	11/13/85
	Field blank	8/20/85	9/24/85	9/20/85	10/1/85
	Trip blank	8/20/85	9/24/85	9/26/85	10/1/85
	Field blank	8/21/85	10/1/85	10/7/85	10/10/85
	Trip blank	8/21/85	10/3/85	10/7/85	10/10/85
	Field blank	8/22/85	10/1/85	10/1/85	10/1/85
	Trip blank	8/22/85	10/1/85	10/1/85	10/1/85
	Re	9/25/85	11/14/85	11/22/85	11/26/85
	Helijes	9/25/85	11/14/85	11/22/85	11/26/85
	Duryea	9/25/85	11/14/85	11/22/85	11/26/85
	Greco	9/25/85	11/14/85	11/22/85	11/26/85
	Tingue	9/25/85	11/14/85	11/22/85	11/26/85
	Sullivan	9/25/85	11/14/85	11/22/85	11/26/85
	Perry	9/25/85	11/14/85	11/22/85	11/26/85
	Nast	9/25/85	11/14/85	11/22/85	11/26/85
	Jayne Valley Farm	9/25/85	11/11/85	12/4/85	12/4/85
	Ling	9/25/85	12/2/85	_____a	12/3/85a
	Yurkanian	9/25/85	12/2/85	_____a	12/3/85a
	Field blank	9/25/85	10/28/85	11/13/85	11/13/85
	Trip blank	9/25/85	10/28/85	11/13/85	11/13/85
Monitoring Well	D-1	8/28/85	10/17/85	10/28/85	11/13/85
	D-2	8/28/85	10/10/85	10/28/85	11/13/85
	D-3	9/4/85	10/17/85	10/24/85	10/25/85
	D-4	8/28/85	10/17/85	10/18/85	10/25/85
	D-5	8/28/85	10/22/85	11/11/85	11/13/85
	D-6	8/29/85	10/7/85	10/28/85	11/13/85
	D-7	9/4/85	11/22/85	12/4/85	12/4/85
	D-8	9/4/85	10/17/85	10/18/85	10/25/85
	D-9	9/4/85	10/17/85	10/24/85	10/25/85

^aSent to NJDEP without complete QA/QC by LMS.

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SAMPLING PROGRAM	SAMPLE ID	SAMPLE DATE	DATE RECEIVED AT LMS	DATE QA/QC COMPLETED BY LMS	DATE TRANSMITTED TO NJDEP
Monitoring Wells	S-1	9/4/85	11/22/85	12/4/85	12/4/85
	S-2	9/5/85	10/17/85	10/18/85	10/25/85
	S-3	8/29/85	10/17/85	10/24/85	10/25/85
	S-4	9/4/85	10/17/85	10/18/85	10/25/85
	S-5	8/28/85	10/9/85	10/9/85	10/10/85
	S-6	8/28/85	10/29/85	11/11/85	11/13/85
	DW-2	9/5/85	10/17/85	10/18/85	10/25/85
	DW-4	9/5/85	10/17/85	10/18/85	10/25/85
	Potable water	8/28/85	10/10/85	10/28/85	11/13/85
	Field blank	8/28/85	10/1/85	10/1/85	10/1/85
	Trip blank	8/28/85	10/1/85	10/1/85	10/1/85
	Field blank	8/29/85	10/9/85	10/9/85	10/10/85
	Trip blank	8/29/85	10/9/85	10/9/85	10/10/85
	Field blank	9/4/85	10/17/85	10/21/85	10/25/85
	Trip blank	9/4/85	10/17/85	10/21/85	10/25/85
	Field blank	9/5/85	10/17/85	10/21/85	10/25/85
	Trip blank	9/5/85	10/17/85	10/18/85	10/25/85
Surface Water	W. Br. Trout Bk.	8/13/85	9/16/85	9/26/85	10/1/85
	Upstream Tanners Bk.	8/13/85	9/16/85	9/26/85	10/1/85
	Downstream Tanners Bk.	8/13/85	9/16/85	9/26/85	10/1/85
	Upstream Black River	8/13/85	9/23/85	9/26/85	10/1/85
	Unnamed Tributary	8/13/85	10/15/85	10/15/85	10/25/85
	Trout Bk. at State Park Road	8/13/85	10/7/85	10/7/85	10/10/85
	Downstream Black River	8/13/85	10/7/85	10/7/85	10/10/85
	E. Br. Trout Bk.	10/17/85	12/30/85	a	1/6/86 ^a
	Field blank	8/13/85	9/26/85	9/26/85	10/1/85
	Trip blank	8/13/85	9/16/85	9/26/85	10/1/85
Leachate	L-1	8/13/85	9/16/85	10/7/85	10/10/85
	L-2	10/17/85	12/30/85	a	1/6/86 ^a
	L-3	8/13/85	9/18/85	9/26/85	10/1/85
	L-3	10/17/85	12/16/85	a	12/18/85 ^a
	L-6	10/17/85	12/19/85	a	12/20/85 ^a
	L-7	8/13/85	9/9/85	9/19/85	10/1/85
	L-7	10/17/85	12/31/85	a	1/6/86 ^a
	L-8	8/13/85	9/18/85	9/26/85	10/1/85
	L-8	10/17/85	12/10/85	12/10/85	12/10/85 ^a
	Field blank	10/17/85	12/13/85	a	12/18/85 ^a
	Trip blank	10/17/85	12/13/85	a	12/13/85 ^a

^aSent to NJDEP without complete QA/QC by LMS.

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SAMPLING PROGRAM	SAMPLE ID	SAMPLE DATE	DATE RECEIVED AT LMS	DATE QA/QC COMPLETED BY LMS	DATE TRANSMITTED TO NJDEP
Surface Water Sediment	W. Br. Trout Bk.	8/13/85	11/14/85	a	12/4/85
	Upstream Tanners Bk.	8/13/85	11/14/85	a	12/4/85
	Downstream Tanners Bk.	8/13/85	11/14/85	a	12/4/85
	Trout Bk. at State Park Road	8/13/85	11/14/85	a	12/4/85
	Unnamed Tributary	8/13/85	11/14/85	a	12/4/85
	Upstream Black River	8/13/85	11/14/85	a	12/4/85
	Downstream Black River	8/13/85	11/14/85	a	12/4/85
	Field blank	8/13/85	11/14/85	a	12/4/85
	Trip blank	8/13/85	11/14/85	a	12/4/85
Leachate Sediment	L-1	8/13/85	11/14/85	a	12/4/85
	L-2	8/13/85	11/14/85	a	12/4/85
	L-3	8/13/85	11/14/85	a	12/4/85
	L-4	8/13/85	11/14/85	a	12/4/85
	L-5	8/13/85	11/14/85	a	12/4/85
	L-6	8/13/85	11/14/85	a	12/4/85
	L-7	8/13/85	11/14/85	a	12/4/85
	L-8	8/13/85	11/14/85	a	12/4/85
Haudaugered Soil Samples	Field A, A Horizon Comp.	8/22/85	11/13/85, 11/14/85	a	12/4/85
	Field A, B Horizon Comp.	8/22/85	11/13/85, 11/14/85	a	12/4/85
	Field B, A Horizon Comp.	8/22/85	11/13/85, 11/14/85	a	12/4/85
	Field B, B Horizon Comp.	8/22/85	11/13/85, 11/14/85	a	12/4/85
	Field C, A Horizon Comp.	8/23/85	11/13/85, 11/14/85	a	12/4/85
	Field C, B Horizon Comp.	8/23/85	11/13/85, 11/14/85	a	12/4/85
	Field A, Loc. 4 - White	8/21/85	11/13/85, 11/14/85	a	12/4/85
	Field A, Loc. 5 - B Horizon	8/21/85	11/13/85, 11/14/85	a	12/4/85
	Field A, Loc. 6 - A Horizon	8/21/85	11/13/85, 11/14/85	a	12/4/85
	Field B, Loc. 6 - A Horizon	8/22/85	11/13/85, 11/14/85	a	12/4/85
	Field B, Loc. 5 - B Horizon	8/22/85	11/13/85, 11/14/85	a	12/4/85

aSent to NJDEP without complete QA/QC by LMS.

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SAMPLING PROGRAM	SAMPLE ID	SAMPLE DATE	DATE RECEIVED AT LMS	DATE QA/QC COMPLETED BY LMS	DATE TRANSMITTED TO NJDEP
	Field B, Loc. 3 - A Horizon	8/22/85	11/13/85, 11/14/85	_____a	12/4/85
	Field blank	8/20/85	11/13/85, 11/14/85	_____a	12/4/85
	Trip blank	8/20/85	11/13/85, 11/14/85	_____a	12/4/85
	Field blank	8/21/85	11/13/85, 11/14/85	_____a	12/4/85
	Trip blank	8/21/85	11/13/85, 11/14/85	_____a	12/4/85
	Field blank	8/22/85	11/13/85, 11/14/85	_____a	12/4/85
	Field blank	8/23/85	11/13/85, 11/14/85	_____a	12/4/85
	Trip blank	8/23/85	11/13/85, 11/14/85	_____a	12/4/85
Test Pit Soil Samples	TP-1 Comp.	8/27/85	11/13/85	_____a	12/4/85
	TP-1 Discrete	8/27/85	11/13/85	_____a	12/4/85
	TP-2 Comp.	8/27/85	11/13/85	_____a	12/4/85
	TP-3 Comp.	8/27/85	11/13/85	_____a	12/4/85
	Field blank	8/27/85	11/13/85	_____a	12/4/85
	Trip blank	8/27/85	11/13/85	_____a	12/4/85
Air Monitoring Samples	A-5	9/17/85	12/5/85	_____a	12/6/85
	A-6	9/17/85	12/5/85	_____a	12/6/85
	A-7	9/17/85	12/5/85	_____a	12/6/85
	A-8	9/18/85	12/5/85	_____a	12/6/85
	A-9	9/19/85	12/5/85	_____a	12/6/85
	A-10	9/18/85	12/5/85	_____a	12/6/85
	A-11	9/19/85	12/5/85	_____a	12/6/85
	A-12	9/18/85	12/5/85	_____a	12/6/85
	A-13	9/19/85	12/5/85	_____a	12/6/85
	U-1-UW	9/17/85	12/5/85	_____a	12/6/85
	U/D-2-DW	9/18/85	12/5/85	_____a	12/6/85
	D-1-DW	9/17/85	12/5/85	_____a	12/6/85
	D-4-UW	9/18/85	12/5/85	_____a	12/6/85
	A-5-DUP	9/17/85	12/5/85	_____a	12/6/85
	A-11-DUP	9/19/85	12/5/85	_____a	12/6/85
	A-12-DUP	9/18/85	12/5/85	_____a	12/6/85
	U-1-DW	9/19/85	12/5/85	_____a	12/6/85
	D-1-UW	9/19/85	12/5/85	_____a	12/6/85
	Trip blank	9/17/85	12/5/85	_____a	12/6/85
	Trip blank	9/18/85	12/5/85	_____a	12/6/85
	Trip blank	9/19/85	12/5/85	_____a	12/6/85

^aSent to NJDEP without complete QA/QC by LMS.

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