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9 December 1985  
File No. 455-102/103

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

RE: COMBE FILL SOUTH LANDFILL RI/FS  
PROGRESS REPORT

Dear Mr. Kaup:

This letter summarizes work conducted by Lawler, Matusky and Skelly Engineers (LMS) and its subcontractors from 1 November to 30 November 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

During the week of 25 November 1985, R.E. Wright Associates Inc. (REWAI) was directed by LMS to reinstall the pumps of the old wells labelled DW-2 and DW-4 at the Combe Fill South Landfill. The NJDEP had orally authorized this work on 12 November 1985. The costs and procedures for this additional work is summarized in our correspondence of 23 October 1985.

LMS continues to review the analytical data as it is received from the laboratories. During November the turnaround time for data receipt from the laboratories length-

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ened considerable<sup>x</sup>, and one of the contracted laboratories consistently failed to meet its promised turnaround times. These delays in receipt of data created a backlog in the LMS review efforts. (At our technical/progress meeting of 3 December 1985 the NJDEP requested that LMS send all data received from the laboratories directly to NJDEP and proceed with the QA/QC review concurrently with the review being conducted by the state). Table 1 attached summarizes the current (to 6 December 1985) status of data receipt, review and transmittal.

LMS has prepared (and distributed to the NJDEP and EPA, Region II at our 3 December 1985 meeting) summaries of study data received as of 2 December 1985 and summaries of data from previous investigations. These summaries were prepared for each specific sampling program, i.e., surface water, potable well, leachate, monitoring well, etc.

In summarizing data from previous investigations it was assumed, for purposes of statistical evaluation, that a recorded concentration of BMDL (below method detection level) would have a numeric value of one-half the detection level for the compound of concern. This assumption errs on the side of caution with regards to the importance of impact of measured chemicals (i.e., impacts would be overestimated rather than underestimated).

Work on the draft RI is also proceeding: draft figures are being prepared, boring logs are being finalized, data appendices are being prepared, etc. A draft outline of the report was prepared and submitted at the 3 December 1985 meeting.

### 3. Task 3 - Objectives and Alternatives Development

Based on our revised approach to the work in Task 3, LMS prepared an initial list of objectives (primarily Federal objectives as provided in EPA CERCLA guidance) and a list of preliminary screened remedial action technologies appropriate to the site. This list was distributed at the 3 December 1985 meeting and LMS is awaiting comments.

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After receipt of comments on this technology screening LMS will prepare a memo summarizing the first step in alternative development. Then, LMS will combine the successful technology candidates into alternatives that can achieve study objectives and will prepare a preliminary evaluation of these alternatives.

4. Task 4 - Laboratory Analysis and Treatability Study

The status of the analytical laboratory work has been previously described above under Task 2. LMS will prepare a report on its recommendations, including a work scope if necessary, for a treatability study as soon as the necessary site sampling data has been received. The NJDEP has expressed a desire to meet further on the needs for a treatability study, prior to the LMS's issuance of the recommendations/work scope report some time in late January or early February 1986.

5. Tasks 5 and 6

No work has been performed in these tasks.

6. Task 7 - Project Coordination and Community Relations

LMS has continued its coordination with appropriate state, federal and local officials throughout the month.

B. PROJECT SCHEDULE, PROJECTED ACTIVITIES, AND ANTICIPATED PROBLEMS

Proposed revisions to the project schedule, were sent to E. Kaup on 22 November 1985. The implications of these schedule changes and important dates were discussed in the meeting of 3 December 1985 (see minutes of this meeting issued 6 December 1985). Presently the Draft Task 2 Report (RI Report), final draft Task 3 memos and the Task 4 treatability recommendations are scheduled to be completed in late January, or early February 1986.

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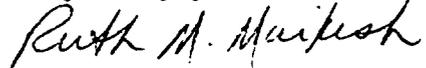
C. PERCENT COMPLETION

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

Task 1	-	100%
Task 2	-	84%
Task 3	-	45%
Task 4	-	10%
Task 5	-	0%
Task 6	-	0%
Task 7B	-	70%
<u>Project Total</u>		<u>70%</u>

If you have any questions, please call.

Very truly yours,



Ruth M. Maikish  
Senior Project Manager

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

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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	12/3/85 <sup>a</sup>
Yurkanian	9/25/85	12/2/85	a	12/3/85 <sup>a</sup>	
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

<sup>a</sup>Sent to NJDEP without complete QA/QC by LMS.  
<sup>b</sup>Data not received by LMS as of 12/9/85.

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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
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		b	
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		b	
	L-3	8/13/85	9/18/85	9/26/85	10/1/85
	L-3	10/17/85		b	
	L-6	10/17/85		b	
	L-7	8/13/85	9/9/85	9/19/85	10/1/85
	L-7	10/17/85		b	
	L-8	8/13/85	9/18/85	9/26/85	10/1/85
	L-8	10/17/85		b	
	Field blank	10/17/85		b	
Trip blank	10/17/85		b		

<sup>a</sup>Sent to NJDEPT without complete QA/QC by LMS.

<sup>b</sup>Data not received by LMS as of 12/9/85.

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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
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
Handaugered 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

<sup>a</sup>Sent to NJDEP without complete QA/QC by LMS.  
<sup>b</sup>Data not received by LMS as of 12/9/85.

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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.  
bData not received by LMS as of 12/9/85.

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