



40074

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT

HAZARDOUS SITE MITIGATION ADMINISTRATION
CN 028, Trenton, N.J. 08625

MARWAN M. SADAT, P.E.
DIRECTOR

JORGE H. BERKOWITZ, PH.D.
ADMINISTRATOR

0 8 MAY 1986

New Jersey Remedial Action Branch
Emergency & Remedial Response Division
US Environmental Protection Agency
26 Federal Plaza
New York, NY 10278

Attention: Mr. Kurt Stoddard, Site Manager

Re: Combe Fill South Landfill

Gentlemen:

Please find transmitted here with: Summary letter restating
comments concerning Alternatives to be detailed in Task 5.

Relay any comments to the undersigned ASAP since LMS is
completing their work in the very near future.

If you have any questions or comments, please contact the under-
signed at (609) 984-2990.

Very truly yours,

Edgar G. Kaup, P.E.
Site Manager, BSM

HS102:i

Enclosure
c. R. Myers, Technical Coordinator
BEERA

303153

**Lawler,
Matusky
& Skelly
Engineers**

Environmental Science & Engineering Consultants

ONE BLUE HILL PLAZA, PEARL RIVER, NEW YORK 10965
(914) 735-8300
TWX LMSE PERL 710-577-2782

JOHN P. LAWLER, P. E.
FELIX E. MATUSKY, P. E.
MICHAEL J. SKELLY, P. E.
KARIM A. ABOOD, P. E.
PATRICK J. LAWLER, P. E.
FRANCIS M. MCGOWAN, P. E.
THOMAS L. ENGLERT, P. E.

14 April 1986
File No. 455-105

VIA FEDERAL EXPRESS

15 APR 1986

Mr. Edgar Kaup
NJ Department of Environmental Protection
Division of Waste Management
Hazardous Site Mitigation Administration
428 East State Street
Trenton, New Jersey 08625

Re: Clarification of Work to be Conducted in Task 5
Combe Fill South Landfill RI/FS

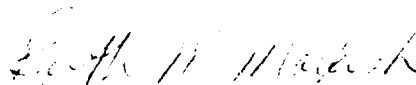
Dear Mr. Kaup:

This letter summarizes my understanding of the work to be conducted on Task 5 (Evaluation of Alternatives) based on your correspondence of 9 April 1986 on this issue and several telephone conversations we subsequently had clarifying general points of your letter.

Table 1 attached summarizes each alternative as originally listed in Task 3, wherein preliminary alternatives were screened, and describes how each alternative or a specific technology, will be analyzed in Task 5. If my understanding is incorrect, please call me as soon as possible.

We have begun the analyses of alternatives as requested. Based on our schedule, as outlined in our March 1986 progress letter, the Draft Feasibility Study Report which includes the work in Task 5 will be completed around 16 to 23 May 1986.

Very truly yours,



Ruth M. Maikish
Senior Project Manager

RMM:gmk

Attachment (1)

303154

TABLE 1
ANALYSES OF ALTERNATIVES IN TASK 5
COMBE FILL SOUTH LANDFILL

<u>Alternative or Technology</u>	<u>Analyses To Be Done</u>
1. No action	Detailed analysis of alternative in Task 5 with technologies as originally listed in Task 3 and referenced in NJDEP correspondence of April 1986.
2. Off-site disposal at RCRA approved facility <ul style="list-style-type: none"> a. Off-site RCRA Landfill b. New RCRA Landfill 	As part of the introduction to the detailed analyses of alternatives, these two alternatives will be <u>discussed</u> and <u>eliminated</u> from further consideration. In order to meet NCP objectives, the costs of 2b will be carried forward, for comparison only, with those of the alternatives to be analyzed in detail. <i>hanging judge</i>
3. Attain applicable or relevant and appropriate requirements <ul style="list-style-type: none"> a. Cap, Trench and Treat b. Cap, Trench, Deep Pump and Treat c. Cap, Shallow and Deep Pump and Treat 	<p>Each of the alternatives in this category will be analyzed in detail using those components described in your letter of 9 April, <u>except</u> that alternative 3c will use a <u>non-membrane</u> cap as originally proposed in Task 3. As directed by the NJDEP, on-site pretreatment with off-site final treatment at a POTW will not be evaluated. Alternate water supply will be generically described with a reference that a conceptual design of this technology is underway as a separate "fast-track" effort. This separate study will define the service area for this new water supply and may not merely be limited to the service area defined in your correspondence of 9 April 1986. <i>impractical discussion on R.I.</i></p> <p>1. 9 April, <u>except</u> that alternative 3c will use a <u>non-membrane</u> cap as originally proposed in Task 3. As directed by the NJDEP, on-site pretreatment with off-site final treatment at a POTW will not be evaluated. Alternate water supply will be generically described with a reference that a conceptual design of this technology is underway as a separate "fast-track" effort. This separate study will define the service area for this new water supply and may not merely be limited to the service area defined in your correspondence of 9 April 1986. <i>State matter</i></p> <p>2. NJDEP, on-site pretreatment with off-site final treatment at a POTW will not be evaluated. Alternate water supply will be generically described with a reference that a conceptual design of this technology is underway as a separate "fast-track" effort. This separate study will define the service area for this new water supply and may not merely be limited to the service area defined in your correspondence of 9 April 1986. <i>Letter</i></p> <p>3. that a conceptual design of this technology is underway as a separate "fast-track" effort. This separate study will define the service area for this new water supply and may not merely be limited to the service area defined in your correspondence of 9 April 1986. <i>Tonawanda → White Horse</i></p>
4. Exceed applicable or relevant and appropriate requirements	This alternative will be carried forward for detailed analysis in Task 5 using the components as described in your correspondence of 9 April 1986 except that the cap will be only a multi-layered clay cap without a membrane and that the alternative will include on-site treatment with disposal to the Black River as originally proposed in Task 3. The use and implications of a membrane and its impracticality for the site will be described in relation to the proposed cap.

of alternative to be kept to be looked on

TABLE 1 (continued)

<u>Alternative or Technology</u>	<u>Analyses To Be Done</u>
5. Achieve some ^o but not all applicable or relevant and appropriate requirements.	
a. Cap, Circumferential Barrier, Short-Term Pump and Treat in Groundwater Flow Path No. 6	This alternative, as described in your letter of 9 April 1986, will be carried forward for detailed analysis in Task 5 except that the short-term pump-treat-discharge will be eliminated and be replaced with the fast-track action of supplying alternate municipal water.
b. Clayless cap	This technology, as a substitute for a clay cap in alternative 3a, will be carried forward for detailed analyses. In addition, the implications of substitute materials for clay will be described.
c. Cap only	This alternative will be eliminated from detailed analysis and described only in the introduction to this evaluation. A rationale for its elimination will be provided.

303156