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**CLOSURE PLAN FOR THE BARIUM CHLORIDE WASTE SALT
TREATMENT FACILITY - FEED MATERIALS PRODUCTION CENTER**

02/19/88

DOE-539-88
DOE-FN OEPA
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PLAN



Department of Energy

Oak Ridge Operations

P. O. Box E

Oak Ridge, Tennessee 37831

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February 19, 1988

DOE 539-88

Mr. Richard Shank, Director
Ohio Environmental Protection Agency
P. O. Box 1049
1800 Water Mark Drive
Columbus, Ohio 43266-1049

**CLOSURE PLAN FOR THE BARIUM CHLORIDE WASTE SALT TREATMENT
FACILITY - FEED MATERIALS PRODUCTION CENTER**

Dear Mr. Shank:

Reference is made to the letter from you to me dated February 3, 1988, subject as above. This letter was not received until February 9, 1988 due to an error on the mailing address. The following address should be used to assure an expeditious handling for future correspondence:

U. S. Department of Energy
P. O. Box 398705
Cincinnati, OH 45239-8705

As indicated in the referenced letter, the Ohio EPA granted an approval on the Closure Plan with the understanding that seven recommendations be addressed. Included in the seven recommendations are three modifications to the document for which Ohio EPA requested a response. The three modifications involve:

- 1) Submitting a map of the FMPC showing the location of the treatment unit and a drawing of the unit itself.
- 2) Submitting a revised closure schedule showing the amount of time required to complete EP Toxicity analyses and of rinseate and residue samples.
- 3) Submitting sampling plans outlining the procedures, equipment, and analytical methods to be used in sampling drummed waste, waste residues and rinseates.

Responses to modifications 1 and 2 are provided in Enclosures I and II attached. Enclosure I contains two maps and one drawing. Enclosure II contains the revised closure schedule. Response and waste residues to modification 3 will include a sampling plan for drummed waste to be provided to you on March 18, 1988, and a

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sampling plan for rinseates to be submitted on May 12, 1988.

If you have questions on the information provided, or require further information, please contact Mike Travaglini of our Environmental Protection Division at (615) 576-0848.

Sincerely,


James A. Reafsnyder
Site Manager

SE-31:Travaglini

Enclosures

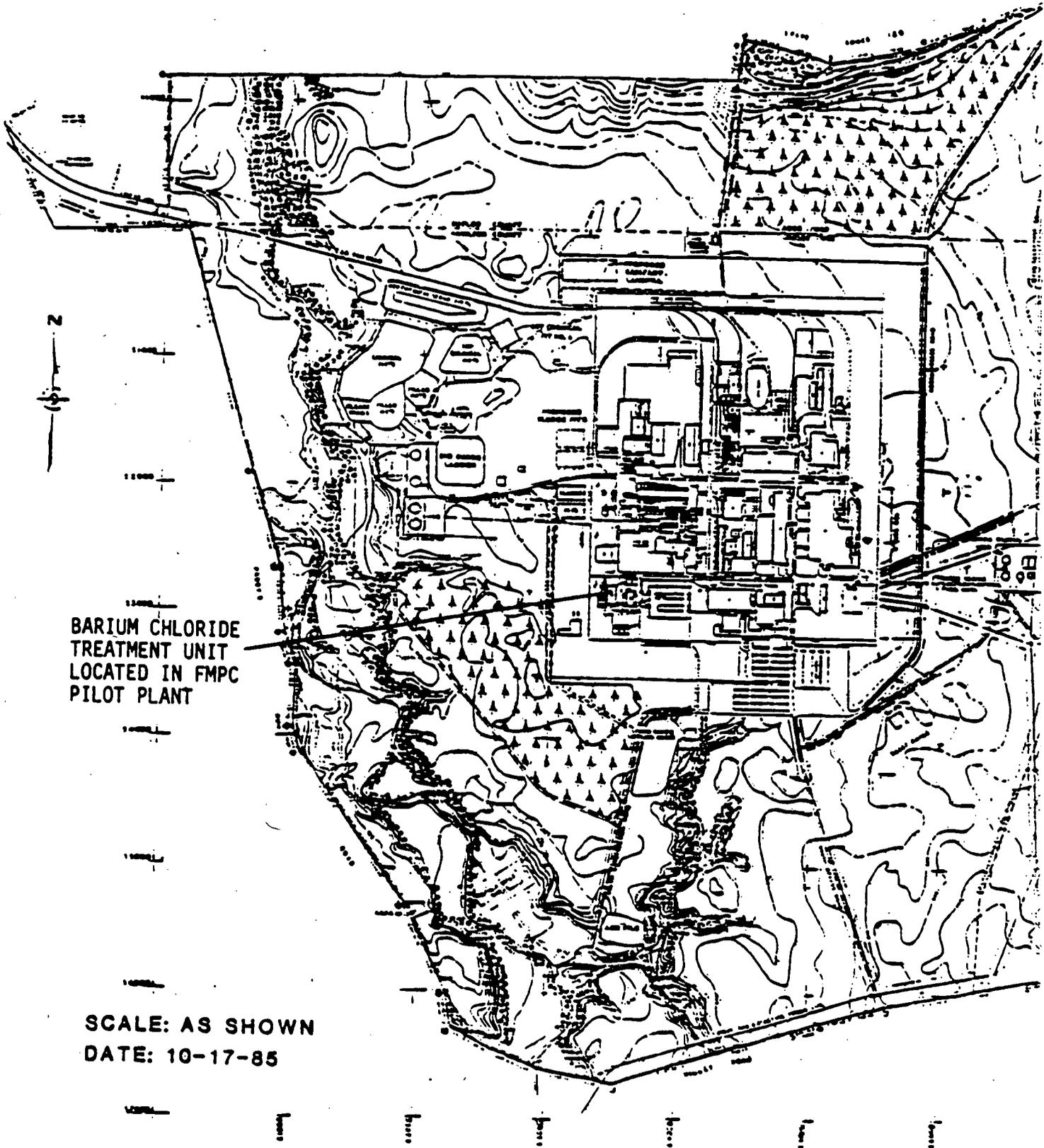
cc: Graham Mitchell, OEPA, Dayton
Scott Shane, OEPA, Dayton
William Muno, USEPA-5
Catherine McCord, USEPA-5
Rebecca Strom, USEPA-5
Mike Travaglini, DOE-ORO
Margaret Wilson, DOE-ORO
Bill Weinreich, WMCO
Bob Kispert, WMCO
Sam Cheng, LWA

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ENCLOSURE I

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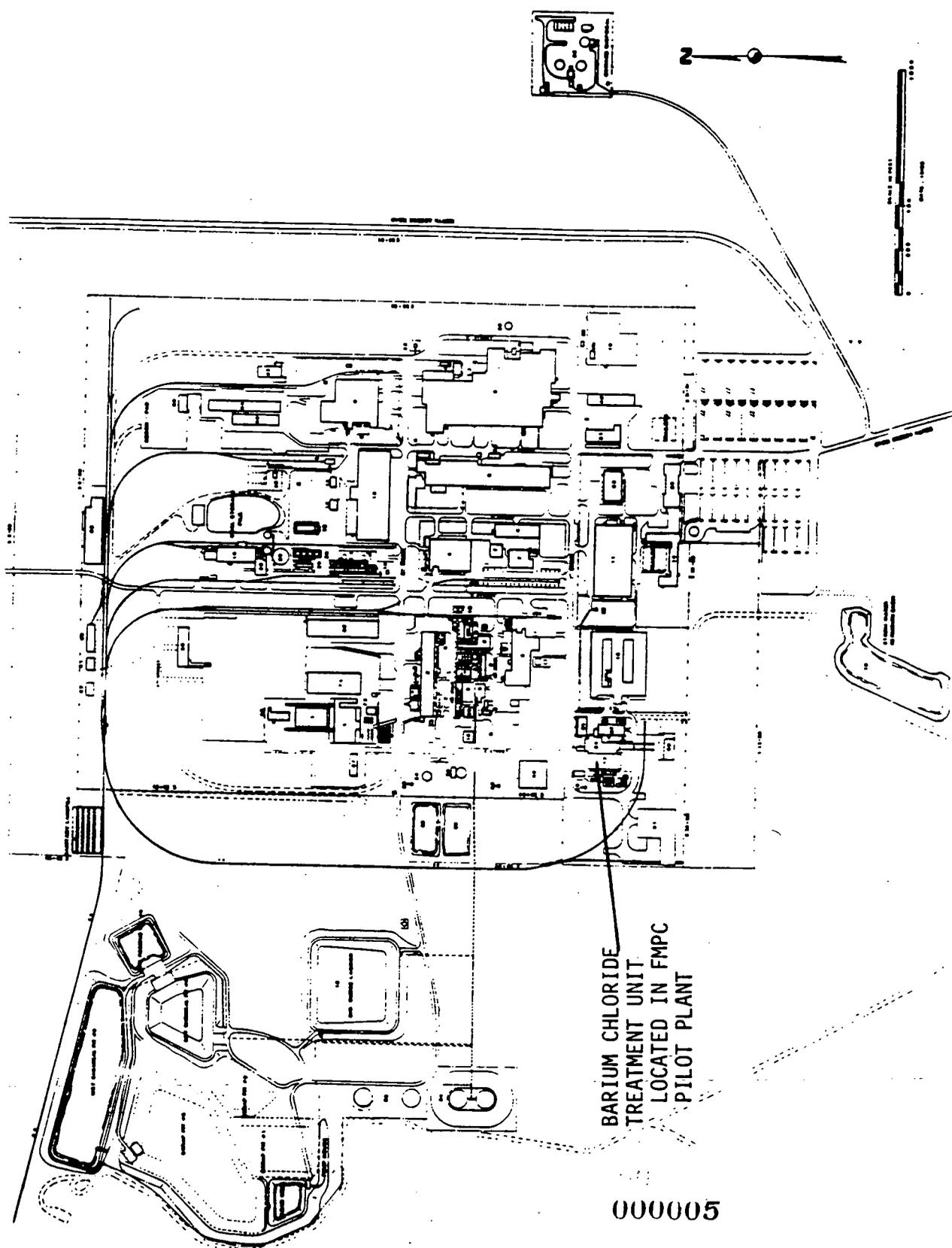


BARIUM CHLORIDE
TREATMENT UNIT
LOCATED IN FMPC
PILOT PLANT

SCALE: AS SHOWN
DATE: 10-17-85

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AREA NUMBER	TITLE
00	General
01	Site Storage (South of Sampling Point)
02	Site Recovery Plant
03	Chemical Recovery Plant
04	Chemical Plant
05	Mobile Production Plant
06	Mobile Processing Plant
07	Mobile Plant
08	Special Production Plant
09	Water Plant
10	Service Building
11	Mechanical Shop & Storehouse
12	Plant Plant (West End)
13	Administration Building
14	Laboratory
15	Main Electric Sub-Station
16	Power Plant (Site 7)
17	Water Production Control
18	Chemical Feed Building
19	Steam Distribution Towers
20	Steam Water Distribution Basin
21	Water Supply System
22	Cooling Tower
23	Exhaust Stack & Type House
24	Exhaust Water Storage Tank
25	Chemical Building (For Waste Treatment Area)
26	Plant House
27	Health, Substation, Foreman, P.M., etc.
28	Industrial Service & Product Lines
29	Site House
30	Site House
31	Truck Scale
32	Communications & Alarm System
33	Refrigeration System
34	Refrigeration
35	Refrigeration
36	Fire Protection System - West
37	Mobile Equipment (Area 30-37)
38	Mobile Equipment - Guard House
39	Chemical Warehouse
40	Engine House - Garage
41	Magazine Storage
42	K-40 Storage Area
43	Plant Plant Avenue (Dry)
44	Production Plant
45	Mobile Management - Bank
46	Temporary Structures (Towers)
47	Building 40
48	Mobile Equipment (Area 27)
49	Mobile Equipment (Area 27)
50	Mobile Equipment (Area 27)
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ENCLOSURE II

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**SCHEDULE FOR SAMPLING AND ANALYZING DRUMMED
WASTE AND WASTE RESIDUES**

	<u>Expected Start Date</u>	<u>Expected Completion Date</u>
Sampling Mobilization: ¹	Day 0	Day 7
Sampling:	Day 8	Day 11
Analysis:	Day 12	Day 28
Provide Contaminant Report:	Day 29	Day 50

¹ Pending U.S. EPA approval of Closure Plan.

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SCHEDULE FOR COLLECTING AND ANALYZING RINSEATES

	<u>Expected Start Date</u>	<u>Expected Completion Date</u>
Sampling Mobilization: ²	Day 0	Day 7
Sampling:	Day 8	Day 22
Analysis:	Day 23	Day 37
Provide Contaminant Report:	Day 38	Day 60

1 This schedule is dependent on the level of contamination found in the waste residues and the level of effort required to remove the residues.

2 Pending U.S. EPA approval of Closure Plan.

**SCHEDULE FOR SAMPLING AND ANALYZING DRUMMED
WASTE AND WASTE RESIDUES**

	<u>Expected Start Date</u>	<u>Expected Completion Date</u>
Sampling Mobilization: ¹	Day 0	Day 7
Sampling:	Day 8	Day 11
Analysis:	Day 12	Day 28
Provide Contaminant Report:	Day 29	Day 50

¹ Pending U.S. EPA approval of Closure Plan.