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DOE-FEMP MIXED WASTE STABILIZATION PROJECT

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LETTER

DOE-FN



State of Ohio Environmental Protection Agency

Southwest District Office

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FERNALD
DOE I-1241

JAN 26 10 30 AM '95

George V. Voinovich
Governor

FILE: _____

January 23, 1995

RE: DOE-FEMP
MIXED WASTE
STABILIZATION PROJECT

Mr. Walter J. Quaider
Department of Energy
Fernald Environmental Management Project
P.O. Box 398705
Cincinnati, Ohio 45239-8705

Dear Mr. Quaider:

By letters dated January 6 and January 12, 1995, you submitted information regarding the Liquid Mixed Waste (LMW) Project which DOE-FEMP is proposing to conduct upon approval of Ohio EPA. DOE-FEMP proposes to conduct this project under the authority of CERCLA Removal Action #9. The Ohio EPA will concur with this proposal provided the work plan for Removal Action #9 is revised to incorporate information that demonstrates how DOE-FEMP will comply with the applicable, relevant and appropriate requirements (ARARs) under Ohio's hazardous waste rules, and provided that the project does not proceed until Ohio EPA has approved this revised work plan.

Upon reviewing the information submitted, the Ohio EPA has determined that DOE-FEMP has not demonstrated that this project will proceed in accordance with State hazardous waste rules, based on the lack of the following information:

1. DOE must submit information that demonstrates the containment system proposed for this project complies with OAC 3745-55-75(B)(1), which states that a base shall underlie the containers which is free of cracks or gaps and is sufficiently impervious to contain leaks, spills, and accumulated precipitation until the collected material is detected and removed. In order to demonstrate compliance, submit information specific to the strength and compatibility of the containment system liner that is being proposed for this project.
2. In order to demonstrate compliance with OAC 3745-55-75(B)(3) and (4), submit the dimensions of the containment area and provide the calculations that demonstrate the containment system has sufficient capacity to contain 10% of the volume of the containers or the volume of the largest container, whichever is greater, plus the precipitation from a twenty-five year, twenty-four hour rainfall event.

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3. To demonstrate compliance with OAC 3745-55-75(B)(3) and (5), submit specific procedures that will be in place to ensure spilled or leaked waste and accumulated precipitation will be removed from the containment area to protect the containers from contact with accumulated liquids.
4. DOE-FEMP must demonstrate compliance with OAC 3745-55-71 by submitting copies of the hydrostatic tests which were performed on the containers.
5. Submit documentation which demonstrates compliance with the contingency plan requirements of OAC 3745-54-51 through 56.
6. To demonstrate compliance with OAC 3745-54-31, submit a copy of the procedures that will be used to transport the drummed material to the transfer area, and the procedures that will be used to transfer the waste from the drums to the bulking containers.

Submit this information as soon as possible to expedite approval of this project.

In addition, Ohio EPA has some general questions generated from the review of the information packet. In the TSCA Incinerator FY-95 Burn Plan & Waste Acceptance Plan Information Package, the summary burn schedule for FY 1995 is provided as revised Attachment 3. In revised Attachment 3, a Waste Group Descriptions Table designates FERMCO's waste as "NON FFCA". What is the significance of this designation?

Attachment 5 of the same information package is a list of TSCA Incinerator FY 1995 Burn Plan Implementation issues. Issue 2 for FERMCO is the acceptance of the TSCA Incinerator of liquid-incinerable waste generated during CERCLA activities. Has this issue been resolved?

In Martin Marietta's Waste Acceptance Plan, Section 2.0, it is stated that the TSCA Operations Division must approve a sampling plan prior to sampling a waste stream for treatment at the TSCA incinerator. Does FERMCO have an approved sampling plan for this project?

Please respond in writing to these questions at the same time you submit the information requested previously in this letter.

This letter does not address administrative concerns such as the procedures for revising and resubmitting Removal Action Work Plan #9. Ohio EPA intends to comment in a separate letter on the "White Paper" submitted by DOE entitled "Proposed Strategy for Initiation

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of FY 95 funded FEMP Low Level Mixed Waste Projects. These comments will address the specific administrative concerns referenced above. If you would like to discuss this "White Paper" prior to receipt of our comments, do not hesitate to call.

I may be contacted at (513) 285-6079 if you have any comments or questions regarding this letter.

Sincerely,



Paul D. Pardi
Group Leader
Division of Hazardous Waste Management

PDP/br

cc: Terry Hagen, FERMCO
Mike Savage, OEPA, DHWM/CO
Tom Schneider, OEPA/SWDO/OFFO