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**DRAFT SITE TREATMENT PLAN FACT SHEET (HANDOUT FROM
10/18/94 COMMUNITY MEETING)**

09/01/94

DOE-FN PUBLIC
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FACTSHEET



FERNALD

Environmental Management Project

DRAFT SITE TREATMENT PLAN FACT SHEET

Site Treatment Plans are required by the Federal Facilities Compliance Act for all Department of Energy (DOE) facilities that generate or store mixed waste, including the Fernald Environmental Management Project (FEMP). Mixed waste is defined by the Federal Facilities Compliance Act as waste containing hazardous waste subject to Resource Conservation and Recovery Act (RCRA) and a source, special nuclear or by-product material subject to the Atomic Energy Act of 1954 (42 U.S.C. 2011 *et seq.*). On April 6, 1993, the DOE published a Federal Register notice (58 FR 17875) describing its proposed process for developing Site Treatment Plans in three phases, including a Conceptual Site Treatment Plan (completed October 1993), a Draft Site Treatment Plan (the current document), and a Final Site Treatment Plan. The Draft Site Treatment Plan identifies the current preferred options for treating the mixed waste at the FEMP.

The process of reviewing the options for the treatment of mixed low level waste stored at the FEMP is covered in the Draft Site Treatment Plan. The review of facilities for treatment included but was not limited to: On-site existing or planned facilities, off-site existing or planned DOE facilities, mobile vendors and off-site commercial facilities was performed to determine the preferred option and the location of treatment.

The FEMP Draft Site Treatment Plan has identified a preferred option for the treatment of each containerized, characterized mixed low level waste stream (primarily "legacy waste") in inventory. The "legacy waste" largely consists of wastes generated as part of the former production operations maintenance activities, utility operation, etc. Current and future (5 year) volumes are shown in the Draft Site Treatment Plan. Sources of generation of these future wastes in the next five years include on-going maintenance operations, safe shutdown activities, and laboratory activities. As generated, these wastes will be incorporated into one of the preferred options and/or evaluated for a more appropriate treatment option.

Site remediation wastes will be managed according to the remedial alternatives selected by the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) process during the Remedial Investigation/Feasibility Study (RI/FS) according to the milestones in the Amended Consent Agreement established in 1991 with the United States Environmental Protection Agency (USEPA). The Draft Site Treatment Plan discusses the sources and projected volumes of mixed wastes to be generated during the remedial actions. For the most part, these wastes have not yet been generated and are not included in the lists of current/future mixed low level waste in the Draft Site Treatment Plan. When these wastes are generated the Final Site Treatment Plan will be revised to reflect waste volumes and the remediation processes and schedules.

The Draft Site Treatment Plan was prepared using the "bottoms-up" (each DOE mixed waste facility developed its own plan) approach and has not been completely evaluated for potential impacts to other DOE sites and the overall DOE program. These preferred options may change as evaluation of DOE-wide impacts and State-to-State discussions progress. The FEMP Draft Site Treatment Plan may also change based on regulatory agency and public comments.

Attached is a table listing the FEMP preferred treatment options and associated projects. This table summarizes the FEMP Draft Site Treatment Plan including treatment location, current volume in inventory, projected schedule, and costs estimated. All of the legacy waste currently at the FEMP is included in one of the preferred options listed. Several of the options are on-going projects (UNH, Incineration, Envirocare). These waste management projects are being completed as CERCLA removal actions and in accordance with the Amended Consent Agreement.

The Draft Site Treatment Plan is available for public review and comment at the Public Environmental Information Center (PEIC), located at 10845 Hamilton-Cleaves Highway, Harrison, Ohio 45030, telephone number (513) 738-0164. PEIC hours are Monday and Thursday 9:00 a.m. - 8:00 p.m., Tuesday, Wednesday and Friday 9:00 a.m. - 4:30 p.m. and Saturday 9:00 a.m. - 1:00 p.m. The comment period will end October 30, 1994.

Comments received on the Draft Plan will be addressed in the Final Site Treatment Plan. The Final Site Treatment Plan will be available for public review and comment in February 1995.

FEMP MIXED WASTE TREATMENT PREFERRED OPTIONS AS IDENTIFIED IN THE DSTP

PREFERRED OPTION	TREATMENT LOCATION	CURRENT VOLUME m ³	PROJECTED SCHEDULE	ESTIMATED COST
Hydrofluoric Acid (HF) Neutralization System	ON-SITE Existing Facilities	16.8	10/94 - 1/95	\$0.5 million
UNH Treatment System	ON-SITE Existing Facilities	1,062.0	8/94 - 12/95	To Be Determined
Waste Water Treatment	ON-SITE Existing Facilities	6.2	9/93 - 10/95	Included in the TSCA Incinerator Costs
Mobile Stabilization	ON-SITE Mobile Vendor	417.9	9/94 - 9/95	\$3.1 million
Mobile Chemical Treatment	ON-SITE Mobile Vendor	761.6	10/94 - 11/97	\$16.1 million
TSCA Incinerator	OFF-SITE Existing DOE Facility	331.9	9/93 - 10/95	\$0.65 million
Envirocare	OFF-SITE Existing Commercial Facility	443.7	ongoing - 5/95	\$2.5 million

m³ = Cubic Meters

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