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**OPERABLE UNIT 1 DATA VALIDATION**

**07/22/93**

**USEPA/DOE-FN**

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**LETTER**

**OU1**



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 A.R.

77 WEST JACKSON BOULEVARD

CHICAGO, IL 60604-8590

JUL 23 12 32 PM '93

JUL 22 1993

Mr. Jack R. Craig  
United States Department of Energy  
Feed Materials Production Center  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705

REPLY TO THE ATTENTION OF:  
HRE-8J

Re: Operable Unit 1  
Data Validation

Dear Mr. Craig:

The United States Environmental Protection Agency (U.S. EPA) has requested that PRC Environmental Management, Inc. (PRC), validate data from select data lots of samples collected as part of the Operable Unit 1 Characterization Investigation Study (CIS), Westinghouse Environmental Management Company of Ohio (WEMCO) study, and the Remedial Investigation/Feasibility Study (RI/FS).

Data validation will involve a specific review of results for soil, water, and waste samples, including organic, inorganic, and radiological analyses. Selected samples requested for data validation are included in Table 1. U.S. EPA requests that the United States Department of Energy have the analytical laboratories submit raw data for the entire data lot, in which each of the selected samples fall, as well as the following information directly to PRC.

- Chain-of-custody documents, including receipt, storage, and handling of the samples in the laboratory.
- A list of standard operating procedures and other procedures used at the laboratories.
- Sample preparation records, including extractions, dilutions, percent solids determination, and similar operations.
- Instrument calibration and tuning records made before, during, and after the assays being validated.
- Preparation and results of control samples (blanks, spikes, surrogates, duplicates, standard addition runs, and so on).
- Results of sample assays.

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- Calculations where appropriate.
- Copies of laboratory data reviews and DOE's recent data validation packages.
- Original laboratory report.
- Corrective action reports related to the assay of these samples.

TABLE 1				
Waste Pit	CIS	WEMCO	RI / FS	
	Soil/Waste	Soil/Waste	Soil/Waste	Groundwater
1			1766	2004 <sup>b</sup>
4	2			1019 <sup>a</sup>
5	5	5		
6	2	2		
Burn Pit	3			2022 <sup>a</sup>

Notes: <sup>a</sup>: Round 1 Analyses  
<sup>b</sup>: Round 2 Analyses

All information should be sent directly from the laboratories to:

PRC Environmental Management, Inc.  
 Attn: Ms. Candy Friday  
 719 Sawdust Road, Suite 103  
 The Woodlands, TX 77380

Please contact me at (312) 886-0992 if you have any questions.

Sincerely,



James A. Saric  
 Remedial Project Manager

cc: Graham Mitchell, OEPA-SWDO  
 Pat Whitfield, U.S. DOE-HDQ  
 Nick Kaufman, FERMCO  
 Jim Thiesing, FERMCO  
 Paul Clay, FERMCO