

3857

ANNUAL REPORT

10/30/92

**DOE-FN/OEPA
100
ENCLOSURE**

ANNUAL REPORT

ENCLOSURES

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(Specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

G 01816181910101018191716 2

IX. GENERATOR'S EPA I.D.NO.

X. GENERATOR NAME

01816181910101018191716

U S D I O E I P E R N A L D I E N V I M I G T I P R O J E C T

XI. GENERATOR'S ADDRESS

71400 WILLEY ROAD

FERNALDI

OH 4510301

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)	C. EPA HAZARDOUS WASTE CODE (see instructions)	D. AMOUNT OF WASTE	E. UNIT OF MEASURE
1	1111-TRICHLOROETHANE ISITL	S 0 1	P101011 D101011	11711412	P
2	141-DIOXIANE	S 0 1	U111018 D101011	1215	P
3	ACETONITRILE IN WATER	S 0 1	D101011	1615	P
4	BARIIUM CHLORIDE CHROME RESIDUE	S 0 1	D101017	1310131215	P
5	BARIIUM CHLORIDE SALT	S 0 1	D101015	111010171512	P
6	BERYLLIUM	S 0 1	P101115	131716	P
7	BLENDING AND SCREENING SOLIDS	S 0 1	D101017 D101111	1719	P
8	CADMIUM SPRINGS	S 0 1	D101016	1518	P

COMMENTS (enter information by section number)

Section VI - Cost Estimates - Federal agencies are exempted from the requirements of OAC 3745-66-40 through 3745-66-48 by OAC 3745-66-40.

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

G 01816181910101018191716 | **2**

IX. GENERATOR'S EPA I.D.NO.

X. GENERATOR NAME

01816181910101018191716

U S D O E | F E R N A L I D I E N V I M I G T | P R O J E C T

XI. GENERATOR'S ADDRESS

7400 | WILLEY | ROAD

F E R N A L I D I

OH | 45030

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)		C. EPA HAZARDOUS WASTE CODE (see 49 CFR 261.24)		D. AMOUNT OF WASTE	E. UNIT OF MEASURE
9	CONTAMINATED BURINABLES	S	01	D1015		113	P
10	CONTAMINATED MERCURY	S	01	D1019		40	P
11	CONTAMINATED NONBURINABLES	S	01	F1012		31	P
12	CONTAMINATED SOIL	S	01	D1011		1989	P
13	CONTAMINATED SOIL	S	01	D1014 D1015	D010, D011	6314	P
14	CONTAMINATED SOIL, WASTE RI, RICKIS, BIRICKIS	S	01	D1018		9904	P
15	CONTAMINATED SOIL WITH FRIEELIQUIDS	S	01	D1012 D1014 D1017 D1018		503	P
				D1011			

COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

1 18 16 18 19 10 10 10 18 19 17 16 13 2 14 15

IX. GENERATOR'S EPA I.D.NO.

X. GENERATOR NAME

018161819101018191716 16 27

USDOE FERNALD ENV MGT PROJECT 28 59

XI. GENERATOR'S ADDRESS

7400 WILLEY ROAD 28 Street

FERNALD 018 4510310 28 City or Town State Zip Code

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)		C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE	E. UNIT OF MEASURE
16	DISCARD PROCESS RESIDUE	S	01	D1018		845	P
17	DISCARD PROCESS RESIDUE	S	01	F102 D1039		1363	P
18	DISCARD PROCESS RESIDUE	S	01	F102 F105			
				D1016 D1017		172	P
				D1018 D1018			
				D1040			
19	DUST COLLECTION RESIDUES	S	01	D1016 D1018		1219	P
20	ETHYL ETHER	S	01	D101 U1117		5	P
21	FURNACE SALT	S	01	D1014 D1016			
				D1018 D1010		94028	P
22	GASOLINE	S	01	D1011 D1018			
						3779	P

COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(Specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

G 0 1 8 1 6 1 8 1 9 1 0 1 0 1 0 1 8 1 9 1 7 1 6 | **2**

IX. GENERATOR'S EPA I.D. NO.

X. GENERATOR NAME

0 1 8 1 6 1 8 1 9 1 0 1 0 1 0 1 8 1 9 1 7 1 6

U S D O E | F E R N A L D | E N V | M I G T | P R O J E C T

XI. GENERATOR'S ADDRESS

7 1 4 0 0 | W I L L E Y | R O A D

E R I N A L D I

0 1 8 | 4 5 1 0 3 1 0

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (owner code)	C. EPA HAZARDOUS WASTE CODE (see instructions)	D. AMOUNT OF WASTE	E. UNIT OF MEASURE
23	GRIT BLAST	S 0 1	D 1 0 1 8	4 8 7 0	P
24	GROUNDWATER (WELL #11031 & 26491)	S 0 1	F 1 0 1 2	4 4 7	P
25	INCINERATOR CINDERIS	S 0 1	F 1 0 1 1	1 4 6 1 1 9	P
26	LABI-PACKED WATER AND SA MPLES	S 0 1	D 1 0 1 7	7 2 9	P
27	LABI-PACKED FLAMMABLE LIQUIDS	S 0 1	D 1 0 1 1 U 1 1 0 8 U 1 1 1 7 U 1 1 6 1	1 0 3	P
28	LEAD	S 0 1	D 1 0 1 8	1 2 1 3 1 5	P
29	LEAD ACID BATTERIES DELETED	S 0 1	D 1 0 1 2 D 1 0 1 4 D 1 0 1 8	3 5 0 0	P

*** COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

3857

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(Specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

G 01816181910101018191716 | **2**

IX. GENERATOR'S EPA I.D. NO.

X. GENERATOR NAME

01816181910101018191716

UNSDOE | FERNALDI | ENV | MGT | PROJECT

XI. GENERATOR'S ADDRESS

71400 | WILLEY | ROAD

FERNALDI

OH | 45030

XII. WASTE IDENTIFICATION

A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)		C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE	E. UNIT OF MEASURE
1 LEADED GASOLINE	S	01	D001	D018	5230	P
2 LIQUID AND SOLID SAMPLE	S	01	F002	D014	125	P
3			D007	D018		
4 MERCURY SPILL RESIDUE	S	01	U151		40	P
5 METHANOL / CYCLOHEXANE	S	01	F005	D001	3916	P
6 METHYL ISOBUTYL KETONE	S	01	D001	U161	18	P
7 NON-METALLIC SAMPLES	S	01	D001	D003	170	P
8 NON-OILY SEMISOLIDS	S	01	F001	D019	6538	P

XIII. COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

G 01816181910101018191716 2

IX. GENERATOR'S EPA I.D. NO.

X. GENERATOR NAME

01816181910101018191716

U S D I O E | F E R N A L D | E N V | M I G I T | P R O J E C T

XI. GENERATOR'S ADDRESS

400 WILLEY ROAD

Street

F E R N A L D

OH 4510310

City or Town

State Zip Code

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)		C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE	E. UNIT OF MEASURE
37	NON-OILY SEMISOLIDIS	S	01	F002	D039	9422	P
38	NON-RECOVERABLE TRASH	S	01	D007	D010	442	P
39	NON-RECOVERABLE TRASH	S	01	F001	D029	8467	P
40	NON-RECOVERABLE TRASH	S	01	D039	D040	110967	P
41	OIL AND SOLVENTS	S	01	F002	D010	16	P
42	OIL CLEAN-UP MATERIALS	S	01	D018		8076	P
43	OILY SEMISOLIDIS	S	01	F101	D108	4490	P

COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

G	0	1	6	8	9	0	0	0	8	9	7	6			2
1	2								13				14	15	

IX. GENERATOR'S EPA I.D.NO.

X. GENERATOR NAME

0 1 6 8 9 0 0 0 8 9 7 6

U S D O E F E R N A L D E N V M G T P R O J E C T

XI. GENERATOR'S ADDRESS

7 4 0 0 W I L L E Y R O A D

28 Street

F E R N A L D

28 City or Town

OH 45030

State Zip Code

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (prior code)			C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE	E. UNIT OF MEASURE
44	OILY SEMISOLID	S	0	1	F1005	D1011	292	P
45	OILY SEMISOLID	S	0	1	D1039	D1040	179878	P
46	OILY SEMISOLID	S	0	1	F1001	F1003	34239	P
47	OILY SEMISOLID	S	0	1	D1019	D1039		
48	OILY SEMISOLID	S	0	1	D1040			
49	OILY SEMISOLID	S	0	1	F1002	D1008	130608	P
50	OILY SEMISOLID	S	0	1	D1005	D1008	138058	P
51	OILY SEMISOLID	S	0	1	F1001	D1007	1947	P
52	OILY SEMISOLID	S	0	1	F1001	D1010		
53	OILY SEMISOLID	S	0	1	D1035		2977	P

COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

G 01816181910101018191716 2

IX. GENERATOR'S EPA I.D. NO.

X. GENERATOR NAME

01816181910101018191716 27

UISIDIOE FERNALDI ENVIMIGT PROJECT 28 59

XI. GENERATOR'S ADDRESS

71400 WILLEY ROAD 28 Street

FERNALDI 28 City or Town

OH 4510310 State Zip Code

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)		C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE	E. UNIT OF MEASURE
51	OILY SEMISOLID	S	01	F001	D001	5705	P
52	OILY SEMISOLID	S	01	D039		16528	P
53	OILY SEMISOLID	S	01	F001	D008	3784	P
54	PAINT CHIPS	S	01	D008		313	P
55	PIVOT PIPING (PERCHED WAIT ER PROJECT)	S	01	F001		47843	P
56	SAMPLES IN NON-METALLIC	S	01	D015		611	P
57	SAMPLES IN NON-METALLIC	S	01	D017		78	P
58	SAMPLES IN BILASTI PAINT R	S	01	D018		1647352	P

COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.) ³⁸⁵⁷

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(Specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

G	0	1	6	8	9	10	10	10	18	19	17	16	2	
1	2									13			14	15

IX. GENERATOR'S EPA I.D. NO.

X. GENERATOR NAME

0 1 6 8 9 10 10 10 18 19 17 16

U S I D I O E I F E R N A L D E N V M I G T P R O J E C T

XI. GENERATOR'S ADDRESS

7 4 0 0 W I L L E Y R O A D

Street

F E R N A L D

City or Town

O H 4 5 0 3 0

State Zip Code

XII. WASTE IDENTIFICATION

A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)		C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE	E. UNIT OF MEASURE
	28	29	30	31		
1 SCRAP SALTS	S	01	D10105	D10108	65181	P
2 SCRAP SALTS	S	01	D10104	D10108	507	P
3 SCRAP U308 DELETED	S	01	D10105		27761	P
4 SCRAP U308 DELETED	S	01	D10105	D10110	241195	P
5 SODIUM AMIDE	S	01	D10103			3 P
6 SOIL BORINGS (ON/OFFSITE E WELLS DRILLINGS)	S	01	D10104	D10105	1240	P
7			D10108			
8 SOIL BORINGS (ON/OFFSITE E WELLS DRILLINGS)	S	01	F10102	D10139	15015	P

XIII. COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

G	0	1	6	8	9	0	0	0	0	8	9	7	6	2
1	2									13				14 15

IX. GENERATOR'S EPA I.D. NO.

X. GENERATOR NAME

0 1 6 8 9 0 0 0 8 9 7 6

U S D O E P E R N A L D E N V I M G T P R O J E C T

XI. GENERATOR'S ADDRESS

7 4 0 0 W I L L E Y R O A D

F E R N A L D

OH 4 5 0 3 0

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)			C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE	E. UNIT OF MEASURE
66	SOIL BORINGS (ON/OFFSITE) WELL DRILLINGS	S	0	1	F 0 0 1		3 8 5 4	P
67	SOIL BORINGS (ON/OFFSITE) WELL DRILLINGS	S	0	1	D 0 0 6	D 0 0 7	1 1 0 0	P
68	SOIL BORINGS (ON/OFFSITE) WELL DRILLINGS	S	0	1	D 0 0 4	D 0 0 5	6 7 0	P
69	SOIL BORINGS (ON/OFFSITE) WELL DRILLINGS	S	0	1	D 0 0 6	D 0 0 7	2 2 5 0	P
70	SOIL BORINGS (ON/OFFSITE) WELL DRILLINGS	S	0	1	D 0 0 5	D 0 0 6	1 8 8 9 6	P
71	SOLVENT CONTAMINATED PALETTE WOOD	S	0	1	F 0 0 2		2 4 4 3 1	P
72	SPENT ACETONE	S	0	1	F 0 0 3	D 0 0 1	3 1 1 6	P

COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

G 01816181910101018191716 | **2**

IX. GENERATOR'S EPA I.D. NO.

X. GENERATOR NAME

01816181910101018191716

UNIVERSITY OF FERRELLI ENVIRONMENTAL MGMT PROJECT

XI. GENERATOR'S ADDRESS

7400 WILLEY ROAD

Street

FERRELLI

City or Town

OH

State

45030

Zip Code

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)		C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE	E. UNIT OF MEASURE
73	SPIRIT CHLORINATED SOLVENTS	S	01	F001 F013		125187	P
2				D019 D022			
3				D028 D029			
4	SPIRIT METHANOL	S	01	F003 D001		363	P
5	SPIRIT TETRACHLOROETHYLENE	S	01	U210		124	P
6	SUMP SLUDGE WITH FREE LIQ	S	01	D015 D017		14413	P
77	SUMP SEMI-SOLID	S	01	F001 D029		3627	P
8							

COMMENTS (enter information by section number)

OHIO ENVIRONMENTAL PROTECTION AGENCY

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

VI. GENERATOR INFORMATION

(Specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

0 1 8 1 6 1 8 1 9 1 0 1 0 1 0 1 8 1 9 1 7 1 6 1 2

IX. GENERATOR'S EPA I.D. NO.

X. GENERATOR NAME

0 1 8 1 6 1 8 1 9 1 0 1 0 1 0 1 8 1 9 1 7 1 6 1

U S D O E | F E R N A L D | E N V | M G T | P R O J E C T

XI. GENERATOR'S ADDRESS

7 1 4 0 0 | W I L L I E Y | R O A D

F E R N A L D

OH 4 5 0 3 0

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)	C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE	E. UNIT OF MEASURE
78	SUIMPI CLEIANIOUT	S 0 1	F 1 0 0 2	F 1 0 0 3		
2			D 1 0 0 1	D 1 0 0 8	1 3 2	P
			D 1 0 1 8	D 1 0 1 9		
			D 1 0 3 9	D 1 0 4 0		
79	TANK 15 (LUST) CLEIANIOUT	S 0 1	F 1 0 0 1	D 1 0 1 8	1 3 2 1 1 4 1 0	P
80	TANK 18 CLEIANIOUT RESIDUE	S 0 1	D 1 0 0 7		1 1 3 2 1 2 1 1	P
81	TBP AND KEROSENE DELETED	S 0 2	D 1 0 0 1	D 1 0 0 2	6 5 5 3 7 1 6 1 9 1 7 1 5 1 0	P
82	TBP/KEROSENE SEMISOLID	S 0 1	F 1 0 0 2	D 1 0 1 9		
			D 1 0 2 2	D 1 0 3 9	2 4 9	P
83	TRASH	S 0 1	F 1 0 0 1	D 1 0 1 8	2 1 1 9	P
84	UNFIRED REDUCTION CHARG EIS	S 0 1	D 1 0 0 1			2 P

XIII COMMENTS (enter information by section number)

OHIO ENVIRONMENTAL PROTECTION AGENCY

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(Specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

1 0 1 8 1 6 1 8 1 9 1 0 1 0 1 0 1 8 1 9 1 7 1 6 1
 2
 12
 13 14 15

IX. GENERATOR'S EPA I.D. NO.

X. GENERATOR NAME

0 1 8 1 6 1 8 1 9 1 0 1 0 1 0 1 8 1 9 1 7 1 6 1
18 27

U S I D I O E I F E R N A L I D I E N V I M I G T I P R O J E C T I
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55

XI. GENERATOR'S ADDRESS

7 1 4 0 0 1 W I L L I E Y R I O I A D I
28 Street

F E R N A L I D I O B 4 5 0 3 1 0
28 City or Town State Zip Code

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)	C. EPA HAZARDOUS WASTE CODE (see instructions)	D. AMOUNT OF WASTE	E. UNIT OF MEASURE
85	U R I A N Y L I N I T R A T E I S O L U T I O N	S 0 2	D 1 0 1 2 D 1 0 1 5 D 1 0 0 7	2 4 7 5 0 0 0 + 2 1 1 5 9 8 8 0	P
86	U S E I D I D E V E L O P I N G / F I X I N G S O L U T I O N	S 0 1	D 1 0 1 1	4 1 1 1 2	P
87	U S E I D I O I L	S 0 1	F 1 0 1 1 D 1 0 1 3 1 9 D 1 0 1 4 1 0	1 8 2 1 5 1 8	P
88	U S E I D I O I L		F 1 0 1 1 D 1 0 1 1 9 D 1 0 1 2 1 9 D 1 0 1 3 1 9	1 1 1 6 1 0 2	P
89	U S E I D I O I L	S 0 1	D 1 0 1 4 1 0 F 1 0 1 1	1 6 1 1 0	P
90	U S E I D I O I L	S 0 1	F 1 0 1 1 D 1 0 1 0 1 8 D 1 0 1 0 1 9 D 1 0 1 3 1 9	1 2 1 6 1 9	P
91	U S E I D I O I L	S 0 1	F 1 0 1 2	1 2 1 6 1 5 1 0 1 9	P

COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

01816181910101018191716 2

IX. GENERATOR'S EPA I.D. NO.

X. GENERATOR NAME

01816181910101018191716

DISIDOLE FERINAILDI ENVI MIGHT PROJ ECT

XI. GENERATOR'S ADDRESS

714101 WILLEY ROAD

ENRINALDI

OH

4510310

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (USE CODES)	C. EPA HAZARDOUS WASTE CODE (SEE DEFINITIONS)	D. AMOUNT OF WASTE	E. UNIT OF MEASURE
92	DISIDOLE	S O 1	F10101 D10106 D10107 D10108	1310516	P
2			D10119 D10129 D10140		
93	IRANIUM CONTAINMENT WASTE	S O 1	D10139	1918185	P
94	WASTELINEZINE	S O 1	D10101 D10118 U0119	11415	P
95	WASTEL ETHYL ETHER	S O 1	F10103 D10103	1317	P
96	WASTEL SOLVENTS	S O 1	F10101 ³ F10105 D10101 D10139	15151010	P
97	WASTEL SOLVENTS	S O 1	F10101 D10107 D10118 D10119	1716163	P
98			D10121 D10129 D10139 D10140		

COMMENTS (enter information by section number)

OHIO ENVIRONMENTAL PROTECTION AGENCY

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

01816181910101018191716

2

IX. GENERATOR'S EPA I.D. NO.

X. GENERATOR NAME

01816181910101018191716

UNIVERSITY OF PERINAL ENVIRONMENTAL PROJECT

XI. GENERATOR'S ADDRESS

7400 WILLEY ROAD

Street

PERIN ALI

City or Town

OH

State

450310

Zip Code

XII. WASTE IDENTIFICATION

WASTE NO.	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (USE CODE)		C. EPA HAZARDOUS WASTE CODE (USE DESCRIPTION)		D. AMOUNT OF WASTE	E. UNIT OF MEASURE
98	WET SUMP CAKE	S	01	F1002		13610816	P
99	WET SUMP OR FILTER CAKE	S	01	D1015		1913514	P
100	WET SUMP OR FILTER CAKE	S	01	F1002	D1039	91103	P
101	WET SUMP OR FILTER CAKE	S	01	F1002	D1039		
102	WASTE HYDROFLUORIC ACID	S	02	D1012		1361740	P
103	CONTAMINATED SOIL IN DRUMS	S	02	D1015		1718347	P
104	CONTAMINATED SOIL IN DRUMS	S	01	D1017	D1018	11854	P
8				D1019			

COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

10116819101001819176
 2

IX. GENERATOR'S EPA I.D.NO.

X. GENERATOR NAME

10116819101001819176

UNIVERSITY OF CINCINNATI

XI. GENERATOR'S ADDRESS

74101 WILLIAMS ROAD

Street

OXFORD

City or Town

OH

State

4510310

Zip Code

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)	C. EPA HAZARDOUS WASTE CODE (see instructions)	D. AMOUNT OF WASTE
1	ACETONE			
112				
2	CONTAMINATED SOLID WASTE		F0101 F0102	
113		S01	D0118	134118
3	CONTAMINATED SOLID WASTE		D0118	
114		S01		131817
4	CONTAMINATED SOLID WASTE		F001	
115		S01		15135
5	CONTAMINATED SOLID WASTE		D0107	
116		S01		112311
6	CONTAMINATED SOLID WASTE		D1001 D1002	
117		S01		15113
7	CONTAMINATED SOLID WASTE		D1018	
118		S01		119
8	CONTAMINATED SOLID WASTE		U1159	
119		S01		15241
		28	30	32
		29	34	37
			41	42
			46	48

XIII. COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

10116891010089176 2

IX. GENERATOR'S EPA I.D.NO.

X. GENERATOR NAME

10116891010089176

UNIVERSITY OF CINCINNATI

XI. GENERATOR'S ADDRESS

174101 WILLIAMS ROAD

28 Street

CINCINNATI

28 City or Town

OH

State

4510310

Zip Code

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)		C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE
1	OILY RAGS	S	01	D10118		12313
120						
2	OILY RAGS	S	01	F10102	D10118	15103
121						
3	OILY RAGS	S	01	F10102	D10110	121116
122						
4	OILY RAGS	S	01	F10102	D10108	123109
123						
5	OILY RAGS	S	01	F10102	D10118	1813
124						
6	OILY RAGS	S	01	F10102	D10118	19173
125						
7	PAINT	S	01	D10101		15192
126						
8	PAINT	S	01	F10102	F10103	1241041
127						

XIII. COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

01H1689101001891716

IX. GENERATOR'S EPA I.D.NO.

X. GENERATOR NAME

01H1689101001891716

WISIDIOIEI IFIERINIALIDI EINIVI IMIGITI PIRIOITIECITI

XI. GENERATOR'S ADDRESS

7410101 WILLEIYI ROIAIDI

Street

FIERINIALIDI

City or Town

OH 41510310

State Zip Code

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)	C. EPA HAZARDOUS WASTE CODE (see instructions)	D. AMOUNT OF WASTE
1	PIRESISIVIRIEI ITRIEATIEIDI IWIOIIDI	S01	D10106	15310
128				
2	PIAIIWITI ITHIINIEIRI IRIAGISI	S01	F10102 F10103	415194
129			F10105	
3	RIAGISI IGLIOVIEISI IANIDI PIRIOITIECIT	S01	U11017	13127
130	IIVIEI IOIVIEIRIALILISI			
4	RIAGISI IWITTHI ILLI-IIRIII-ICIHILIOIR	S01	F10101 F10102	113
131	OIEITHIANIEI		D10108 D10118	
5	RIAMI PIITI	S01	D10103 D10118	16111
132				
6	SIOLILI IWITTHI IOILILI IANIDI IWAITEIR	S01	D10118	1818719
133				
7	SIOLILIDISI ICIONITAMLIINIAITIEIDI IBIYI	S01	D10104 D10105	131611
134	LIABI ISAMPILIEISI		D10106 D10107	
8			D10108 D10122	
			F10102 F10103	
		28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54		

XIII. COMMENTS (enter information by section number)

3857

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

01H1689101001891761 2
1 2 13 14 15 16

IX. GENERATOR'S EPA I.D.NO.

X. GENERATOR NAME

01H1689101001891761
16 27

UISIDIOEI FIERINIALDI ENIVI MIGHTI PIRIOJIECITI
28

XI. GENERATOR'S ADDRESS

17410101 WILLILEIYI IRIOAIDI
28
Street

FIERINIALDI
28
City or Town

OH 45103101
State Zip Code

XII. WASTE IDENTIFICATION

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)		C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE			
1 135	SOILVIENTI IRAIGISI			F10101	F10102				
		S	01	D10118		11212			
2 136	SPIEINTI ILLIY-ITIRIICIHILORIOEITIHIA NIE			F10101	F10102				
		S	01	D10108	D10118	11619			
3 137	WAISITIEI IOILLISI			D10108	D10118				
		S	01			111815			
4 138	UISIEDI IOILLI			F10102	D10110				
		S	01	D10118		1161718			
5 139	UISIEDI IOILLI			F10101	F10102				
		S	01	D10108	D10118	1171310			
6 140	UISIEDI IOILLI			D10118					
		S	01			131451616			
7 141	UISIEDI PIAUNITI ITHIININIEIRI			F10102	D10101				
		S	01	D10108		141215			
8 142	WAISITIEI PIAUNITI IHYIPIDILIONI ICIOIA TILINGI			D10101					
		S	01			131611613			
		<small>28</small>	<small>29</small>	<small>30</small>	<small>33</small>	<small>34</small>	<small>37</small>	<small>48</small>	<small>54</small>
				<small>38</small>	<small>41</small>	<small>42</small>	<small>45</small>		

XIII. COMMENTS (enter information by section number)

FACILITY ANNUAL HAZARDOUS WASTE REPORT (cont.)

For the calendar year ending December 31, 1991

GENERATOR INFORMATION

(specify generator from which all wastes on this page were received)

VIII. FACILITY'S EPA I.D. NO.

1 01H168910100189176 13 14 15 2

IX. GENERATOR'S EPA I.D.NO.

X. GENERATOR NAME

16 01H168910100189176 27

28 U.S. DISTRICT COURT, CLEVELAND, OHIO 44115

XI. GENERATOR'S ADDRESS

29 1741010 WILLIAMS ROAD

28 FEIRINIALDI OH 4510310
City or Town State Zip Code

XII. WASTE IDENTIFICATION

UNIT	A. DESCRIPTION OF WASTE	B. HANDLING METHOD (enter code)		C. EPA HAZARDOUS WASTE CODE (see instructions)		D. AMOUNT OF WASTE
1 143	WASTE OIL MIXTURE	S	01	D1011	D10118	1861810
2						
3						
4						
5						
6						
7						
8						

XIII. COMMENTS (enter information by section number)

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT

XI. Generator's Address

Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING	C. EPA HAZARDOUS		D. AMOUNT OF WASTE	E. UNITS
		METHOD	WASTE CODE			
1	1,1,1-TRICHLOROETHANE STILL BOTTOMS	S01	F001	D001	17142	P
2	1,4-DIOXANE	S01	U108	D001	25	P
3	ACETONITRILE IN WATER	S01	D001		65	P
4	BARIUM CHLORIDE CHROME RESIDUE	S01	D007		30325	P
5	BARIUM CHLORIDE SALT	S01	D005		100752	P
6	BERYLLIUM	S01	P015		376	P
7	BLENDING AND SCREENING SOLIDS	S01	D007	D011	79	P
8	CADMIUM SPRINGS	S01	D006		58	P
9	CONTAMINATED BURNABLES	S01	D005		113	P
10	CONTAMINATED MERCURY	S01	D009		40	P
11	CONTAMINATED NONBURNABLES	S01	F002		31	P
12	CONTAMINATED SOIL	S01	D011		989	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT

XI. Generator's Address
 Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
13	CONTAMINATED SOIL	S01	D004 D007 D010	D005 D008 D011	6314	P
14	CONTAMINATED SOIL, WATER ROCKS, BRICKS	S01	D008		9904	P
15	CONTAMINATED SOIL WITH FREE LIQUIDS	S01	D002 D007 D011	D004 D008	503	P
16	DISCARD PROCESS RESIDUES	S01	D008		845	P
17	DISCARD PROCESS RESIDUES	S01	F002	D039	1363	P
18	DISCARD PROCESS RESIDUES	S01	F002 D006 D008 D040	F005 D007 D018	172	P
19	DUST COLLECTOR RESIDUES	S01	D006	D008	1219	P
20	ETHYL ETHER	S01	D001	U117	5	P
21	FURNACE SALT	S01	D004 D008	D006 D010	94028	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT

XI. Generator's Address

Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
22	GASOLINE	S01	D001	D018	3779	P
23	GRIT BLAST	S01	D008		4870	P
24	GROUNDWATER (WELL #1031 & #2649)	S01	F002		447	P
25	INCINERATOR CINDERS	S01	F001		146119	P
26	LAB-PACKED WATER AND SAMPLES	S01	D007		729	P
27	LAB-PACKED FLAMMABLE LIQUIDS	S01	D001 U117 U213	U108 U161 U359	103	P
28	LEAD	S01	D008		2335	P
29	DELETED - LEAD ACID BATTERIES					
30	LEADED GASOLINE	S01	D001 D018	D008	5230	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT

XI. Generator's Address

Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
31	LIQUID AND SOLID SAMPLES	S01	F002 D005 D007 D010	D004 D006 D008 D018	25	P
32	MERCURY SPILL RESIDUE	S01	U151		40	P
33	METHANOL/CYCLOHEXANE	S01	F005	D001	3916	P
34	METHYL ISOBUTYL KETONE	S01	D001	U161	18	P
35	NON-METALLIC SAMPLES	S01	D001	D003	170	P
36	NON-OILY SEMISOLIDS	S01	F001	D019	6538	P
37	NON-OILY SEMISOLIDS	S01	F002	D039	9422	P
38	NON-RECOVERABLE TRASH	S01	D007	D010	442	P
39	NON-RECOVERABLE TRASH	S01	F001 D039	D029 D040	10967	P
40	NON-RECOVERABLE TRASH	S01	F001	D008	68539	P
41	OIL AND SOLVENTS	S01	F002 D007 D010	D001 D008 D018	6	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT

XI. Generator's Address
 Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
42	OIL CLEAN-UP MATERIALS	S01	D018		8076	P
43	OILY SEMISOLID	S01	F001 D039	D008 D040	4490	P
44	OILY SEMISOLID	S01	F005 D008	D001 D035	292	P
45	OILY SEMISOLID	S01	F001 D039	D029 D040	179878	P
46	OILY SEMISOLID	S01	F001 F005 D019 D040	F003 D001 D039	34239	P
47	OILY SEMISOLID	S01	F002	D008	130608	P
48	OILY SEMISOLID	S01	D005	D008	138058	P
49	OILY SEMISOLID	S01	F001	D007	947	P
50	OILY SEMISOLID	S01	F001 D035	D010	2977	P
51	OILY SEMISOLID	S01	F001 D039	D008	5705	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT
 XI. Generator's Address
 Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
52	OILY SEMISOLID	S01	D008		16528	P
53	OILY SEMISOLID	S01	F001	D008	3784	P
54	PAINT CHIPS	S01	D008		313	P
55	PVC PIPING (PERCHED WATER PROJECT)	S01	F001		47843	P
56	SAMPLES NON-METALLIC MISCELLANEOUS	S01	D005		611	P
57	SAMPLES NON-METALLIC MISCELLANEOUS	S01	D007		78	P
58	SAND/GRIT BLAST PAINT RESIDUES	S01	D008		647352	P
59	SCRAP SALTS	S01	D005	D008	65181	P
60	SCRAP SALTS	S01	D004	D008	507	P
61	DELETED - SCRAP U308					
62	DELETED - SCRAP U308					
63	SODIUM AMIDE	S01	D003		3	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT
 XI. Generator's Address
 Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
64	SOIL BORINGS (ON/OFFSITE WELL DRILLINGS)	S01	D004 D006 D008	D005 D007	1240	P
65	SOIL BORINGS (ON/OFFSITE WELL DRILLINGS)	S01	F002 D040	D039	5015	P
66	SOIL BORINGS (ON/OFFSITE WELL DRILLINGS)	S01	F001		3854	P
67	SOIL BORINGS (ON/OFFSITE WELL DRILLINGS)	S01	D006 D008	D007	1100	P
68	SOIL BORINGS (ON/OFFSITE WELL DRILLINGS)	S01	D004 D006	D005 D007	670	P
69	SOIL BORINGS (ON/OFFSITE WELL DRILLINGS)	S01	D004 D006 D008	D005 D007 D011	2250	P
70	SOIL BORINGS (ON/OFFSITE WELL DRILLINGS)	S01	D005 D007	D006 D008	8896	P
71	SOLVENT CONTAMINATED PALLET WOOD	S01	F002		24431	P
72	SPENT ACETONE	S01	F003	D001	3116	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT

XI. Generator's Address

Street 7400 Willey Road
 City Fernald
 State Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
			F001 F005 D019 D028 D035 D040	F013 D001 D022 D029 D039		
73	SPENT CHLORINATED SOLVENTS	S01	F001 F005 D019 D028 D035 D040	F013 D001 D022 D029 D039	125187	P
74	SPENT METHANOL	S01	F003	D001	363	P
75	SPILLED TETRACHLORO-ETHYLENE	S01	U210		124	P
76	SUMP CAKE WITH FREE LIQUIDS	S01	D005	D007	14413	P
77	SUMP SEMISOLID	S01	F001 D039	D029	3627	P
78	SUMP CLEANOUT	S01	F002 D001 D018 D039	F003 D008 D019 D040	132	P
79	TANK 5 (UST) CLEANOUT	S01	F001	D018	32140	P
80	TANK 8 CLEANOUT RESIDUE	S01	D007		13221	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

For the calendar year ending December 31, 1991

3857

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT

XI. Generator's Address

Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
81	DELETED - TBP AND KEROSENE					
82	TBP/KEROSENE SEMISOLID	S01	F002 D022	D019 D039	249	P
83	TRASH	S01	F001	D018	219	P
84	UNFIRED REDUCTION CHARGES	S01	D001		2	P
85	URANYL NITRATE SOLUTION	S02	D002 D007	D005	2475000	P
86	USED DEVELOPING/FIXING SOLUTION	S01	D011		4112	P
87	USED OIL	S01	F001 D040	D039	8258	P
88	USED OIL	S01	F001 D029 D040	D019 D039	11602	P
89	USED OIL	S01	F001		610	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT
 XI. Generator's Address
 Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
90	USED OIL	S01	F001 D009	D008 D039	269	P
91	USED OIL	S01	F002		26509	P
92	USED OIL	S01	F001 D007 D019 D040	D006 D008 D029	3056	P
93	URANIUM CONTAMINATED WATER	S01	D039		9885	P
94	WASTE BENZENE	S01	D001 U019	D018	6	P
95	WASTE ETHYL ETHER	S01	F003	D003	37	P
96	WASTE SOLVENTS	S01	F003 D001	F005 D039	5500	P
97	WASTE SOLVENTS	S01	F001 D018 D021 D039	D007 D019 D029 D040	7663	P
98	WET SUMP CAKE	S01	F002		36086	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

For the calendar year ending December 31, 1991

3857

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT

XI. Generator's Address

Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
99	WET SUMP OR FILTER CAKE	S01	D005		9354	P
100	WET SUMP OR FILTER CAKE	S01	F002	D039	9103	P
101	WET SUMP OR FILTER CAKE	S01	F002 D040	D039	23322	P
102	WASTE HYDROFLUORIC ACID	S02	D002		36740	P
103	CONTAMINATED SOIL AND ROCKS	S01	D005		78347	P
104	CONTAMINATED SOIL AND ROCKS	S01	D005 D007 D009	D006 D008	1854	P
105	DISCARD MAINTENANCE PRODUCTS	S01	D001		2265	P
106	DISCARD MAINTENANCE PRODUCTS	S01	D018		2207	P
107	DISCARD PROCESS RESIDUES	S01	D002		3153	P
108	OILY SEMISOLID	S01	D001		12875	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT

XI. Generator's Address

Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
109	OILY SEMISOLID	S01	F001 D039	D008 D040	685	P
110	DISCARD PROCESS RESIDUES	S01	F002 D040	D039 D043	158	P
111	MERCURY CONTAMINATED DEBRIS	S01	D009		442	P
112	AGITENE	S01	D001 D008	D005	338	P
113	CONTAMINATED/SPENT SOLVENTS	S01	F001 D018	F002	3418	P
114	KEROSENE (DIESEL FUEL)/ SLUDGE/WATER FROM UST 3	S01	D018		3887	P
115	SPILL CLEANUP MATERIALS	S01	F001		535	P
116	DUST COLLECTOR RESIDUES	S01	D007		1231	P
117	LABORATORY ACIDS (NITRIC AND CYCLOHEXANE)	S01	D001	D002	513	P
118	LEAD WOOD SHAVINGS	S01	D008		19	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT
 XI. Generator's Address
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 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
			WASTE CODE			
119	METHYL ETHYL KETONE AND WATER	S01	U159		524	P
120	OIL SOAKED ABSORBANT PADS	S01	D018		2333	P
121	OILY RAGS	S01	F002	D018	503	P
122	OIL SOAKED RAGS	S01	F002 D018	D010	2216	P
123	OILY RAGS	S01	F002 D018	D008	2309	P
124	OILY RAGS, CLEANUP MATERIAL	S01	F002	D018	83	P
125	OILY SEMISOLID	S01	F002	D018	973	P
126	PAINT THINNER	S01	D001		592	P
127	PAINT THINNERS	S01	F002 F005	F003 D001	24041	P
128	PRESSURE TREATED WOOD	S01	D006		530	P
129	PAINT THINNER RAGS	S01	F002 F005	F003	4594	P

XIII. Comments:

Ohio Environmental Protection Agency
FACILITY ANNUAL HAZARDOUS WASTE REPORT

3857

For the calendar year ending December 31, 1991

VIII. Facility's EPA I.D. No. OH6980008976

Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT

XI. Generator's Address
 Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING	C. EPA HAZARDOUS		D. AMOUNT OF WASTE	E. UNITS
		METHOD	WASTE CODE			
130	RAGS, GLOVES AND PROTECTIVE COVERALLS	S01	U107		327	P
131	RAGS WITH 1,1,1-TRI-CHLOROETHANE	S01	F001 D008	F002 D018	13	P
132	RAM PIT	S01	D003	D018	611	P
133	SOIL WITH OIL AND WATER	S01	D018		8879	P
134	SOLIDS CONTAMINATED BY LAB SAMPLES	S01	D004 D006 D008 F002	D005 D007 D022 F003	361	P
135	SOLVENT RAGS	S01	F001 D018	F002	122	P
136	SPENT 1,1,1-TRICHLORO-ETHANE	S01	F001 D008	F002 D018	169	P
137	WASTE OILS	S01	D008	D018	1185	P
138	USED OIL	S01	F002 D018	D010	16778	P

XIII. Comments:

Ohio Environmental Protection Agency
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Generator Information

IX. Generator's EPA I.D. No. OH6980008976
 X. Generator name USDOE FERNALD ENV. MGT. PROJECT
 XI. Generator's Address
 Street 7400 Willey Road
 City Fernald
 State: Ohio
 Zip Code 45030

XII. Waste Identification

LINE	A. DESCRIPTION OF WASTE	B. HANDLING METHOD	C. EPA HAZARDOUS WASTE CODE		D. AMOUNT OF WASTE	E. UNITS
139	USED OIL	S01	F001 D008	F002 D018	1730	P
140	USED OIL	S01	D018		34566	P
141	USED PAINT THINNER	S01	F002 D008	D001	425	P
142	WASTE PAINT HYPOLON COATING	S01	D001		36163	P
143	WATER/GAS MIXTURE	S01	D001	D018	8680	P

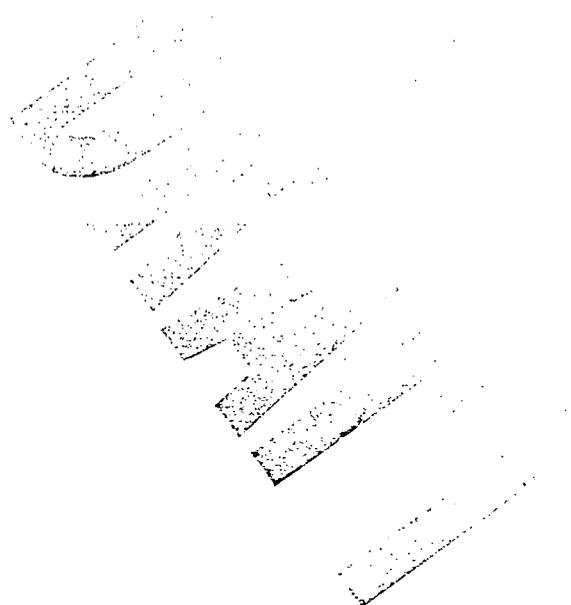
XIII. Comments:

WASTE CHARACTERIZATION

ENCLOSURES

ATTACHMENT I

The following procedure is subject to modification without OEPA notification or approval.



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Title: COMPLETING THE MATERIAL EVALUATION FORM		DOCUMENT NO: SSOP-0002 REVISION NO. 3
Authorization: <i>W. H. Britton</i> W. H. Britton, President	Supersedes: None	Issue Date: 10-22-91

1.0 PURPOSE

The purpose of this document is to provide the procedure for completing the Material Evaluation Form (MEF) to classify material as RCRA or NON-RCRA.

2.0 APPLICABILITY

This procedure shall apply to the classification of raw, process, excess, and waste material.

3.0 RESPONSIBILITIES

3.1 The Material Generator shall be responsible for the following:

3.1.1 Completing Section I, with input from IRS&T, of the Material Evaluation Form.

3.1.2 Maintaining a copy of the completed MEF for each generated stream.

3.1.3 Determining if a prior MEF has been submitted.

3.1.4 Completing a new MEF if changes occur to a previously evaluated material stream.

3.2 Facilities and Materials Evaluation (F&ME) shall be responsible for the following:

3.2.1 Completing Section II of the MEF per this procedure.

3.2.2 Determining that sufficient information exists to classify material as RCRA or NON-RCRA.

3.2.3 Recommending to Environmental Monitoring additional information that is required to complete a RCRA determination.

3.2.4 Maintaining the original of the completed form on file.

3.2.5 Establishing a primary and alternate contact within F&ME responsible for replying to inquiries on the completing and utilization of the Material Evaluation Form.

3.3 Environmental Engineering shall be responsible for the following:

3.3.1 Completing Section III of the MEF per this procedure.

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3.0 RESPONSIBILITIES (cont.)

3.3.2 Maintaining a record of the completed form.

3.4 Material Control and Accountability (MC&A) shall be responsible for the following:

3.4.1 Retaining a record copy of Section IV for each Material Evaluation Number.

3.4.2 Maintaining a listing that relates inventory numbers to the Material Evaluation Number.

3.4.3 Assisting Material Generator in maintenance of Material Evaluation files and tracking the Material Evaluation form.

3.5 Facilities & Warehousing (F&W) shall be responsible for the following:

3.5.1 Providing a Material Evaluation Number to generator upon request.

3.5.2 Maintaining a log of Material Evaluation Numbers.

3.5.3 Retaining a record copy of Section IV for each Material Evaluation Number.

3.6 Industrial, Radiological Safety, and Training (IRS&T) shall be responsible for the following:

3.6.1 Reviewing data provided by the Material Generator to establish the Health & Safety requirements applicable to the sampling, handling, packaging processing or transportation of material.

3.6.2 Reviewing, after completion of Section I and II of the MEF, the additional information and identifying additional personnel safety requirements.

3.7 Toxic and Solid Waste Programs (TSWP) shall be responsible for the following:

3.7.1 Providing the Department of Transportation (DOT) shipping name.

3.7.2 Providing the DOT hazard class.

3.7.3 Specifying required labels.

3.7.4 Providing DOT identification No.

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3.0 RESPONSIBILITIES (cont.)

- 3.7.5 Providing EPA waste No.
- 3.7.6 Providing applicable reactivity group codes.
- 3.7.7 Filling out Section IV of the MEF.

4.0 DEFINITIONS

- 4.1 Material Generator - a person at the originating facility who is authorized to prepare raw material, process material, and waste material for transfer.
- 4.2 Resource Conservation and Recovery Act (RCRA) - The congressional act which established safe and environmentally acceptable management practices for specific wastes. RCRA requires strict "cradle to grave" control and proper management of hazardous waste.
- 4.3 Hazardous Waste - A discarded material which is listed in the Environmental Protection Agency Hazardous Waste List which exhibits characteristics of ignitability, corrosivity, or reactivity. Both "listed" and "characteristic" wastes are regulated under RCRA.
- 4.4 Ignitable - Liquid waste with closed-cup flash points < 60°C (140°F), or non-liquid waste capable of causing fire through friction, absorption of moisture, or spontaneous chemical changes.
- 4.5 Corrosive - Aqueous (water based) wastes with a pH ≤ 2 or ≥ 12.5.
- 4.6 Reactive - Waste that exhibits properties such as reacting violently, forming potentially explosive mixtures or generating toxic gases when mixed with water, generating toxic gases (cyanide or sulfid) at pH between 2 and 12.5, or detonating or exploding at standard temperature and pressure or when heated under confinement.
- 4.7 Authorized Personnel - Personnel who have successfully completed all training requirements to perform work related to this procedure and have been authorized by the Facility Owner to perform the work.
- 4.8 Controlled Holding Area - The area designated for holding uncharacterized material and staging characterized material (excluding backlog material and material generated from a soil boring activity) for a maximum period of 90 calendar days.

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4.0 DEFINITIONS (cont.)

- 4.9 Fingerprint Analysis - An analytical process providing a brief description of material parameters as listed in Table 5.
- 4.10 Raw Material - A non-manufactured substance at the FEMP.
- 4.11 Process Material - A substance which has gone through a physical state of change.
- 4.12 Excess Material - A substance which has exceeded its recommended shelf life or intended use.
- 4.13 Waste Material - A substance which has expended its usefulness, non-recyclable and non-recoverable.

5.0 GENERAL

5.1 General Instructions for Completing the Material Evaluation

- 5.1.1 Fill in all items of each section. If an item cannot be answered, enter "NOT KNOWN".
- 5.1.1.1 If an item is not applicable to the material stream being evaluated, indicate as "N/A".
- 5.1.2 If there is not enough space on the form to record the required data, proceed as follows:
- 5.1.2.1 Prepare an attachment sheet with the MEF number (and Revision Number, if applicable) and date.
- 5.1.2.2 Enter the Item Number that corresponds to the Item Number on the MEF.
- 5.1.2.3 Enter the required data on the attachment sheet.
- 5.1.2.4 Sign the attachment sheet.
- 5.1.2.5 In the item block on the MEF, enter "See attachment".
- 5.1.2.6 Fasten the attachment sheet to the MEF.
- 5.1.3 Refer questions regarding the form to F&ME.

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6.0 PROCEDURE

6.1 Identification of Material

MATERIAL GENERATOR

- 6.1.1 If no information is known on the material and the container has no identification, contact F&ME and IRS&T for direction.
- 6.1.2 Obtain a Material Evaluation Number from F&W.
- 6.1.3 Record the Material Evaluation Number at the top of each sheet of the Material Evaluation, Form FMPC-OPR-3252 (See Figure 1).
- 6.1.4 Complete Section I, Items 1 thru 16b, of the Material Evaluation Form per Table 1.
- 6.1.5 When Section I (Items 1 thru 16b) is completed, forward the form to IRS&T.

NOTE: The material being evaluated shall remain in the generator area until direction is received from F&ME for disposition.

6.2 Establish Safety Requirements

IRS&T

- 6.2.1 Review the data provided in Section I of the MEF.
- 6.2.2 Determine potential health or safety concerns that may be encountered while sampling, handling, or processing the material.
- 6.2.3 In Item 16c specify protective gear that must be used while sampling, handling, or processing material (such as protective clothing, respirator, gloves).
- 6.2.4 Sign Item 16d and return the MEF to the Material Generator.

6.3 Identification of Material

MATERIAL GENERATOR

- 6.3.1 Complete Section I of the MEF and forward the form to F&ME.

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6.0 PROCEDURE (cont.)

6.4 Evaluation of Material

F&ME

- 6.4.1 Ensure an evaluation has not been previously completed for this material type per the source and material type code (Item 1 of Section I). F&ME may use entire lot codes to designate a waste stream.
- 6.4.2 Complete Section II of the Material Evaluation form per Table 2.
- 6.4.3 When Section II is complete, proceed as follows:
- 6.4.3.1 If the material is classified RCRA or additional information is required for the classification (refer to Item 7 of Section IV), forward the form to Environmental Engineering and Material Generator.
- 6.4.3.2 If the material is classified as NON-RCRA or exempt (refer to Item 7 of Section II), retain the original form on file and transmit copies to distribution.

NOTE: The Material Generator shall respond by moving the drum to the designated storage area.

6.5 Material Analysis/Disposition Determination

F&ME

- 6.5.1 Refer to Section II and complete the following applicable substep.
- 6.5.1.1 If the material had been classified, proceed to Item 6.8.
- 6.5.1.2 If additional information is required to classify the material, complete items 13 and 14 of Section II.
- 6.5.1.3 Forward MEF to IRS&T to determine any additional safety requirements.

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6.0 PROCEDURE (cont.)

6.6 Establish Safety Requirements

IRS&T

6.6.1 Review additional information for safety concerns and identify any additional safety requirements.

6.6.2 Sign and forward the MEF to F&ME.

6.7 Additional Requirements

F&ME

6.7.1 Forward a copy of Section II to the Material Generator as authorization to prepare uncharacterized material for transfer to the Controlled Holding Area and a copy to Environmental Monitoring to identify and authorize sampling requirements.

NOTE: The original form shall be retained until the required information is received.

6.7.2 When additional information is received, proceed as follows:

6.7.2.1 Fill in the completion date (Item 15 of Section II).

6.7.2.2 Ensure that Section II is complete.

6.7.2.3 Initial and date each revision of Section II.

6.7.2.4 Briefly explain any corrections made (Item 2 of Section II) to the information contained in Section II.

6.7.2.5 Forward the Material Evaluation and analysis results to Environmental Engineering.

6.8 Classified Material

ENVIRONMENTAL ENGINEERING

NOTE: Refer to Item 7 of Section II for material classification.

6.8.1 If the material is classified as NON-RCRA, proceed as follows:

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6.0 PROCEDURE (cont.)

6.8.1.1 For material in storage, transmit the original Material Evaluation form to F&ME, a copy to the Facility Owner of the Controlled Holding Area, and a copy to the material generator.

6.8.1.2 For material being held at the generator area, forward the original Material Evaluation form to F&ME and a copy to the material generator.

6.8.2 If the material is classified as RCRA, proceed as follows:

6.8.2.1 Complete Section III per Table 3.

6.8.2.2 Forward the Material Evaluation Form to Toxic & Solid Waste Programs.

6.9 Material Identification

TSWP

NOTE: DELETED

6.9.1 Complete Section IV per Table 4.

6.9.2 Review section IV and confirm container information is correct.

6.9.3 Forward the MEF to FM&E.

6.10 Revising the Material Evaluation

MATERIAL GENERATOR, F&ME, OR ENVIRONMENTAL ENGINEERING

6.10.1 Determine a revision to the MEF is required.

6.10.2 Notify the appropriate departments of the numbered MEF requiring change and the revision required.

MATERIAL GENERATOR

6.10.3 Obtain file copy of the specified MEF and a new MEF.

6.10.4 Obtain a revision number from Waste Management.

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6.0 PROCEDURE (cont.)

6.10.5 Record the original MEF number and the revision number on the new MEF.

6.10.6 Complete Section I of the new MEF incorporating the necessary revisions and submit to F&ME.

6.10.6.1 If the revision requested is not applicable to Section I, complete Section I per the original MEF and forward to F&ME.

F&ME/ENV. ENG./TSWP/IRS&T

6.10.7 If the revision is applicable to Section II, III, or IV, complete the new MEF incorporating the revision.

7.0 APPLICABLE DOCUMENTS

7.1 Drivers

None

7.2 Reference Documents

None

8.0 APPLICABLE FORMS

8.1 FS-F-3252, "Material Evaluation Form"

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TABLE 1
INSTRUCTIONS FOR COMPLETING MATERIAL EVALUATION FORM - (SECTION I)

ITEM NO	DESCRIPTION
1	Record the FEMP Source Code (SRC), Material Type Code (MTC), and the 15 digit Lot Code.
2	Designate the Plant/Building/Site location where material was generated.
3	Specify the process/building area which generates the material.
4	Provide the name of equipment generating the material.
5	Record the approximate date of generation (year, month, day) as specifically as possible.
6	Indicate the physical state of the material.
7	Estimate net weight of the material.
8	Indicate whether the material contains more than one substance (such as contaminated gloves, coveralls, booties, or other contaminated items).
9	Indicate whether the material is a waste.
10	Provide common names of the material.
11	Provide chemical names associated with the material.
12	Indicate sources of the common and chemical names.
13	Specify alternate material name (For example, identical material generated by different equipment).
14	Record alternate codes (source or material codes) used for material which is chemically identical to this material.
15	Indicate any substance, such as pesticides, solvents, or heavy metals, which is contained or suspected to be contained in the material.
16	a) Specify the reason for suspecting the substance indicated and quantity of suspect material ⁽¹⁾ . b) List sources of information utilized for identifying the suspect substances indicated.

⁽¹⁾ Attach a copy of the MSDS as applicable.

R - MATERIAL REVISED, ADDED, OR DELETED.

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TABLE 1 (cont.)
INSTRUCTIONS FOR COMPLETING MATERIAL EVALUATION FORM - (SECTION I)

ITEM NO	DESCRIPTION
16 (cont.)	c) Identify safety concerns & special safety requirements. d) Sign and date the form
17	If a fingerprint visual inspection (Table 5) of the material was completed, attach to the Material Evaluation Form.
18	Record and describe the number of solid/liquid/gas layers within the material.
19	Record the pH of liquid material or liquid phase of material ⁽²⁾ .
20	Record the flashpoint of liquid material or liquid phase ⁽²⁾ .
21	If the material is a wet solid (sludge) and a paint filter test has been completed, specify test results (solid or liquid) ⁽²⁾ .
22	Indicate if material is considered reactive. Include an explanation.
23	If the material is not a liquid, indicate if material is ignitable. Include an explanation. ⁽²⁾
	DELETED
24	Provide additional information that may be used to evaluate the material.
25	List additional sources (such as phone call, specification, procedures, or other input) of information used to complete this form.
26	a) Provide the name and extension number of the individual responsible for responding to questions regarding Section I. b) Record the date Section I is completed.

⁽²⁾ Attach results if available. Identify source, such as a sample plan.

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TABLE 2
INSTRUCTIONS FOR COMPLETING MATERIAL EVALUATION FORM - (SECTION II)

ITEM NO	DESCRIPTION
1	Indicate if material is waste (discarded, used, by-product).
2	Indicate if waste is excluded under 261.4(a) (CWA pointsource discharge, irrigation return flow, AEC source, special nuclear or by-product material, insitu mining waste).
3	Indicate if waste excluded from regulation under 264.1(b).
4	If the waste is listed in 261 Subpart D, or material contains a waste listed in subpart D, indicate the list and the waste number.
5	Indicate if waste exhibits characteristics specified in 261 Subpart C. List the characteristic exhibited.
6	Indicate if the material is a possible RO hazardous substance. If yes, list the RO amount in Lbs.
7	Indicate material classification. If material can not be classified indicate that the material needs further action and provide recommendations regarding information required.
8	Indicate if classification was based on data from Section I or an evaluation of an identical waste stream. If based on previous evaluation, list the Material Evaluation # and lot code of stream.
9	Indicate whether or not the material is subject to land ban restrictions and the effective date if applicable.
10	Distribute to the Departments listed in Section IV (Item 9).
11	List additional sources of information (phone calls, manufacturing specification, reference) used in this evaluation.
12	Provide the name and phone extension of the individual responsible for responding to questions regarding Section II and the date that Section II was completed.
13	Indicate if sampling is required (Refer to Section II Item 7).
14	Indicate if amount of time necessary for sampling and analysis require transfer of material to a controlled holding area. If yes, record date that the material was authorized for transfer.
15	Indicate date that additional information was included.
16.a	Identify any additional safety concerns and requirements.
16.b	Sign and date the form.

R - MATERIAL REVISED, ADDED, OR DELETED.

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TABLE 3
INSTRUCTIONS FOR COMPLETING MATERIAL EVALUATION FORM - (SECTION III)

ITEM NO	DESCRIPTION
	DELETED
	DELETED
	DELETED
1	Based on Section I and II (or recent information) indicate container recommended (such as carbon steel, stainless steel, polyethylene).
2	Based on Section I and II (or recent information) indicate the reactivity group codes associated with the material.
3	List additional sources of information used to complete the form (phone calls, material specifications, reference material).
4	Provide the name and extension of the individual responsible for responding to questions regarding Section III and the date that Section III was completed.

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TABLE 4
INSTRUCTIONS FOR COMPLETING MATERIAL EVALUATION FORM - (SECTION IV)

ITEM NO	DESCRIPTION
1	Provide the D.O.T. Shipping Name for material.
2	Provide the D.O.T. Hazard Class for material.
3	List required D.O.T. drum labels.
4	Provide the D.O.T. Identification No. (UN or NA) and prefix.
5	Provide the EPA Waste No. noted for material.
6	List applicable reactivity group codes (Refer to Section III, Item 2).
7	Record the FEMP lot code (Refer to Section I, Item 1).
8	Indicate whether a revision is required to the MEF.
9	Distribution.
10	Provide the name and extension of the individual responsible for responding to questions regarding Section IV and the date that Section IV was completed.

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TABLE 5
FINGERPRINT ANALYSIS PARAMETERS

PARAMETER	APPLICABILITY	TEST METHOD/REQUIREMENTS
Visual inspection	Required for all waste streams	To include, at a minimum, a discussion of the following: general description material color(s) particle size apparent stains multiple phases probe drum with pipe to ensure consistency
Liquid content	Required for waste suspected of containing free liquids	SW-846-9095: Paint Filter Liquids Test (PFLT)
pH	Required for waste streams with a free liquid phase (as determined by the PFLT)	SW-846-9040: pH Electrometric Method FMPC Method No. 3033 ⁽¹⁾
Flash point	Required for waste with a free liquid phase (as determined by the PFLT)	Flash point meter
Density/specific gravity	Required for homogeneous wastes only; density for solid wastes, specific gravity for liquid wastes	Gravimetric for Density/ASTM D 1217 for Specific Gravity FMPC Method Nos. 1004 and 1005 ⁽¹⁾

⁽¹⁾ These references are included for information, not for operational use.

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RECORD OF ISSUE/REVISIONS

<u>DATE</u>	<u>REV. NO</u>	<u>DESCRIPTION AND AUTHORITY</u>
01-11-91	0	Instructions for completing the Material Evaluation form required per Request No. P90-292, initiated by K. Nuhfer.
04-16-91	1	Revised to update form and include steps to allow for an MEF revision per Request No. P91-093, initiated by J. Ogg.
06-20-91	2	Revised to update technical content and form per Request No. P91-235, initiated by R. Henderson.
10-22-91	3	Revised to insert correct form per Request P91-390, initiated by L. Hamblin.

**Fernald Site
MATERIAL EVALUATION FORM**

MEF NO.: _____
MEF REV. NO.: _____ **3857**

SECTION I - MATERIAL GENERATOR

1. FEMP SRC: _____ MTC: _____		2. PLANT AND/OR BULDING NO.: _____		3. PROCESS AREA: _____	
4. EQUIPMENT NAME(S): _____			5. MEF NO. DATE: _____ MEF REV. DATE: _____		6. MATERIAL PHYSICAL STATE: <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Wet Solid <input type="checkbox"/> Dry Solid (Sludge)
7. APPROXIMATE NET WEIGHT OF FULL CONTAINER? <input type="checkbox"/> <100 lbs. <input type="checkbox"/> 100 to 1000 lbs. <input type="checkbox"/> >1000 lbs.			8. DOES MATERIAL CONSIST OF MORE THAN ONE SUBSTANCE? <input type="checkbox"/> YES <input type="checkbox"/> NO		
9. IS MATERIAL A WASTE? <input type="checkbox"/> YES <input type="checkbox"/> NO		10. COMMON NAMES: _____		11. CHEMICAL NAMES: _____	
12. COMMON/CHEMICAL NAME SOURCE: <input type="checkbox"/> Process Information <input type="checkbox"/> MSDS OTHER: _____ <input type="checkbox"/> Container Label <input type="checkbox"/> FEMP Lot Code		13. SIMILAR MATERIAL NAME: _____		14. SIMILAR MATERIAL LOT CODE(S): _____	
15. SUBSTANCES SUSPECTED:					
<input type="checkbox"/> Aerosols	<input type="checkbox"/> Cresol	<input type="checkbox"/> Endrine	<input type="checkbox"/> Methylene Chloride	<input type="checkbox"/> TBP/Kerosene	
<input type="checkbox"/> Arsenic	<input type="checkbox"/> m-Cresol	<input type="checkbox"/> Heptachlor	<input type="checkbox"/> Motor/Engine Oil	<input type="checkbox"/> Tetrachloroethylene	
<input type="checkbox"/> Barium	<input type="checkbox"/> o-Cresol	<input type="checkbox"/> Hexachlorobenzene	<input type="checkbox"/> Nitrobenzene	<input type="checkbox"/> 1,1,1-Trichlorethane	
<input type="checkbox"/> Benzene	<input type="checkbox"/> p-Cresol	<input type="checkbox"/> Hexachloroethane	<input type="checkbox"/> Other Organics	<input type="checkbox"/> 2,4,5-TP (Silvex)	
<input type="checkbox"/> Cadmium	<input type="checkbox"/> 2,4-D	<input type="checkbox"/> Hexachloro-1,3-butadiene	<input type="checkbox"/> Paint Stripper	<input type="checkbox"/> 2,4,5-Trichlorophenol	
<input type="checkbox"/> Carbon Tetrachloride	<input type="checkbox"/> Degreaser	<input type="checkbox"/> Hydraulic Oil	<input type="checkbox"/> Paint Thinner/Mineral Spirits	<input type="checkbox"/> 2,4,6-Trichlorophenol	
<input type="checkbox"/> Chlordane	<input type="checkbox"/> 1,4-Dichlorobenzene	<input type="checkbox"/> Ink	<input type="checkbox"/> Pentachlorophenol	<input type="checkbox"/> Toxaphene	
<input type="checkbox"/> Chlorobenzene	<input type="checkbox"/> 1,2-Dichloroethane	<input type="checkbox"/> Lead	<input type="checkbox"/> Perchloroethylene	<input type="checkbox"/> Trichloroethylene	
<input type="checkbox"/> Chloroform	<input type="checkbox"/> 1,1-Dichloroethylene	<input type="checkbox"/> Lindane	<input type="checkbox"/> Pyridine	<input type="checkbox"/> Unknown	
<input type="checkbox"/> Chromium	<input type="checkbox"/> 2,4-Dinitrotoluene	<input type="checkbox"/> Mercury	<input type="checkbox"/> Selenium	<input type="checkbox"/> Vinyl Chloride	
<input type="checkbox"/> Coolants	<input type="checkbox"/> Enamel	<input type="checkbox"/> Methoxychlor	<input type="checkbox"/> Silver	<input type="checkbox"/> Xylene	
		<input type="checkbox"/> Methyl ethyl ketone	<input type="checkbox"/> Synthetic oil	<input type="checkbox"/> Oil	
16. a. REASON FOR SUSPECTING ALL SUBSTANCES AND QUANTITY: _____					
16. b. SOURCE FOR REASON AND QUANTITY: (Attach MSDS if Available)					
<input type="checkbox"/> Personnel Interviews	<input type="checkbox"/> AEDO Log	<input type="checkbox"/> MSDS	<input type="checkbox"/> Prior Evaluation of Similar Material		
<input type="checkbox"/> Historical Records	<input type="checkbox"/> Physical Evidence	<input type="checkbox"/> Container Label	What Material: _____		
<input type="checkbox"/> FEMP Lot Code	<input type="checkbox"/> Process Information	<input type="checkbox"/> Sump Report	SRC: _____ MTC: _____		
<input type="checkbox"/> Spill Database					
16. c. HEALTH AND SAFETY CONCERNS/ REQUIREMENTS: _____			16. d. SIGNATURE AND DATE: _____		
17. HAS THE "FINGERPRINT" VISUAL INSPECTION BEEN COMPLETED? <input type="checkbox"/> YES <input type="checkbox"/> NO		18. NUMBER OF PHASES: _____		19. pH (IF KNOWN): (Attach Lab Results)	
20. FLASH POINT (IF KNOWN): (Attach Lab Results)					
21. HAS A PAINT FILTER TEST BEEN COMPLETED? <input type="checkbox"/> YES <input type="checkbox"/> NO					
22. IS IT REACTIVE? EXPLAIN: <input type="checkbox"/> YES <input type="checkbox"/> NO					
23. IS IT IGNITABLE? EXPLAIN: <input type="checkbox"/> YES <input type="checkbox"/> NO					
24. OTHER INFORMATION: (Example: Is the Material a Product or Waste?)					
25. ADDITIONAL SOURCES OF INFORMATION:					
26. PRIMARY CONTACT INDIVIDUAL: _____		EXTENSION: _____		DATE COMPLETED: _____	

NOTE: Form shall be completed using ink or a typewriter.
NOTE: Only WEMCO employees shall sign this form.

Fernald Site
MATERIAL EVALUATION FORM
(Continued)

MEF NO.: _____

MEF REV. NO.: _____ **3857**

SECTION II - FACILITY AND MATERIALS EVALUATION

1. IS MATERIAL A WASTE? <input type="checkbox"/> YES <input type="checkbox"/> NO	2. IS IT EXCLUDED UNDER 261.4(a)? <input type="checkbox"/> YES <input type="checkbox"/> NO	3. IS IT EXCLUDED UNDER 261.4 (b)? <input type="checkbox"/> YES <input type="checkbox"/> NO	4. DOES IT CONTAIN A LISTED WASTE AS PER 261 SUBPART D? <input type="checkbox"/> k <input type="checkbox"/> f <input type="checkbox"/> p <input type="checkbox"/> u <input type="checkbox"/> not listed
5. DOES IT EXHIBIT ANY CHARACTERISTICS AS PER 261 SUBPART C? <input type="checkbox"/> YES <input type="checkbox"/> NO EXPLAIN: _____			6. IS IT A RO HAZARDOUS SUBSTANCE? <input type="checkbox"/> YES <input type="checkbox"/> NO POUNDS: _____
7. CLASSIFICATION AS A WASTE: <input type="checkbox"/> RCRA Hazardous Waste <input type="checkbox"/> Needs Further Action (ie sampling) <input type="checkbox"/> Source Exempt <input type="checkbox"/> Non-RCRA Waste <input type="checkbox"/> Radioactive EXPLAIN: _____		8. PRIMARY BASIS FOR CLASSIFICATION: <input type="checkbox"/> Generator Information <input type="checkbox"/> Prior material evaluation WHAT MATERIAL? _____ LOT NUMBER: _____	
9. IS IT SUBJECT TO LAND BAN RESTRICTIONS? <input type="checkbox"/> NO <input type="checkbox"/> YES Effective Date: _____			

0. DISTRIBUTE PER SECTION IV, ITEM 9.

1. OTHER INFORMATION SOURCES USED: _____			
2. PRIMARY CONTACT INDIVIDUAL: _____	EXTENSION: _____	DATE COMPLETED: _____	
3. IS SAMPLING REQUIRED? <input type="checkbox"/> YES <input type="checkbox"/> NO	14. IS TRANSFER TO CONTROLLED HOLDING AREA REQUIRED? <input type="checkbox"/> YES <input type="checkbox"/> NO	DATE: _____	15. INFORMATION ACTION COMPLETION DATE: _____
5. HEALTH AND SAFETY CONCERNS REQUIREMENTS: _____		16. b. SIGNATURE AND DATE: _____	

SECTION III - ENVIRONMENTAL ENGINEERING

1. RECOMMENDED STORAGE CONTAINER MATERIAL <input type="checkbox"/> Carbon Steel <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Polyethylene <input type="checkbox"/> Other: _____	2. APPLICABLE REACTIVITY GROUP CODES: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H
OTHER INFORMATION SOURCES USED: _____	
PRIMARY CONTACT INDIVIDUAL: _____	EXTENSION: _____ DATE COMPLETED: _____

SECTION IV - TOXIC AND SOLID WASTE PROGRAMS

1. PROPER D.O.T. SHIPPING NAME: _____			
2. D.O.T. HAZARD CLASS: _____	3. REQUIRED LABELS: _____		
4. D.O.T. IDENTIFICATION NO.: <input type="checkbox"/> UN <input type="checkbox"/> NA SUFFIX: _____	5. EPA WASTE NO.: _____		
6. APPLICABLE REACTIVITY GROUP CODES: (COPY FROM SECTION III, ITEM 2)	7. FEMP SRC AND MTC (COPY FROM SECTION I, ITEM 1)	SRC: _____	MTC: _____
8. IS A REVISION TO MEF REQUIRED? <input type="checkbox"/> YES <input type="checkbox"/> NO			

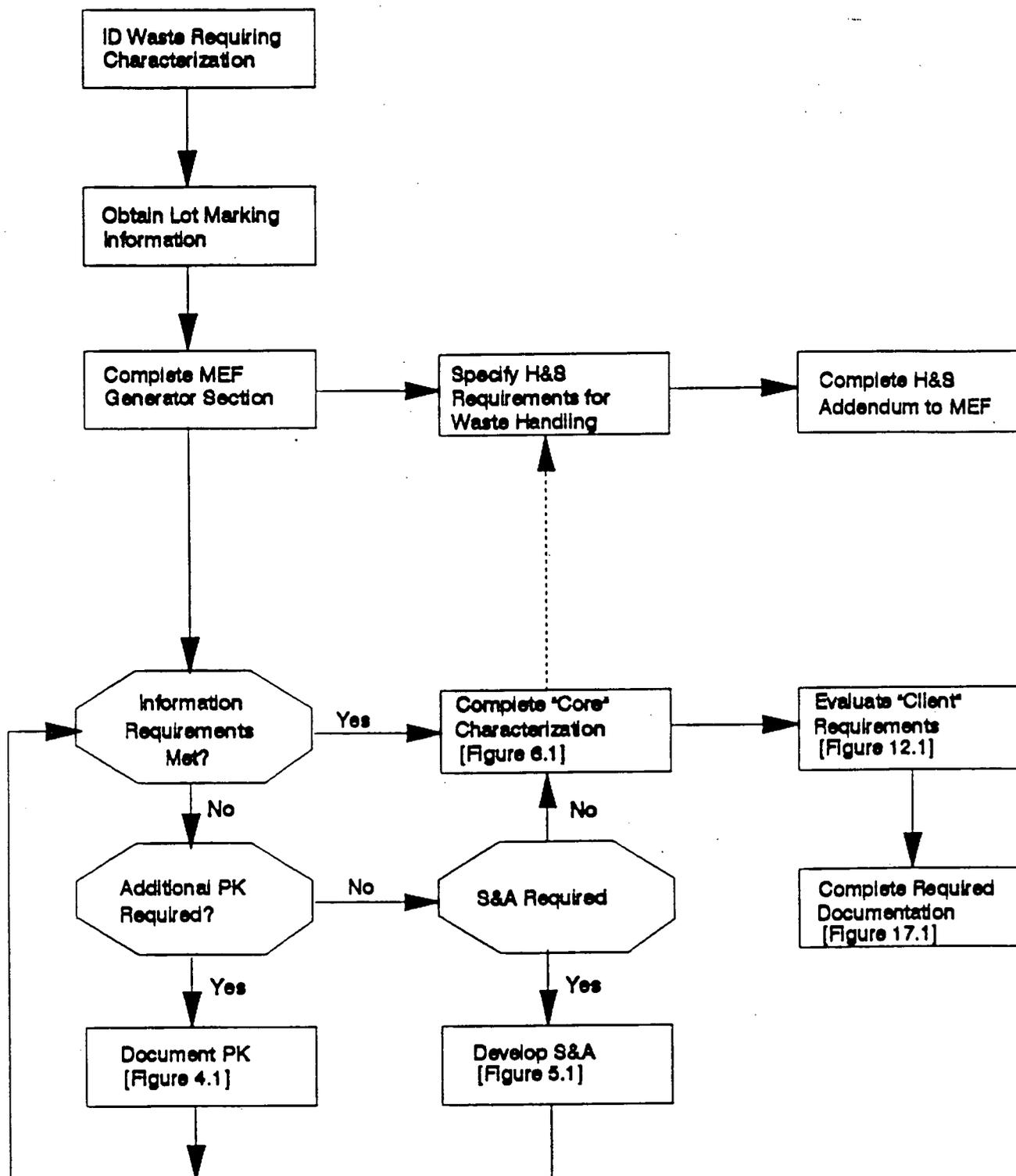
9. DISTRIBUTION:	MATERIAL GENERATOR: _____ DATE: _____
	ENVIRONMENTAL ENGINEERING: _____ DATE: _____
	ENVIRONMENTAL MONITORING: _____ DATE: _____
	MC&A: _____ DATE: _____
	IRS&T: _____ DATE: _____
	FACILITIES AND WAREHOUSING: _____ DATE: _____
	F&ME: _____ DATE: _____
	CONTROLLED HOLDING AREA: _____ DATE: _____

0. PRIMARY CONTACT INDIVIDUAL: _____	EXTENSION: _____	DATE COMPLETED: _____
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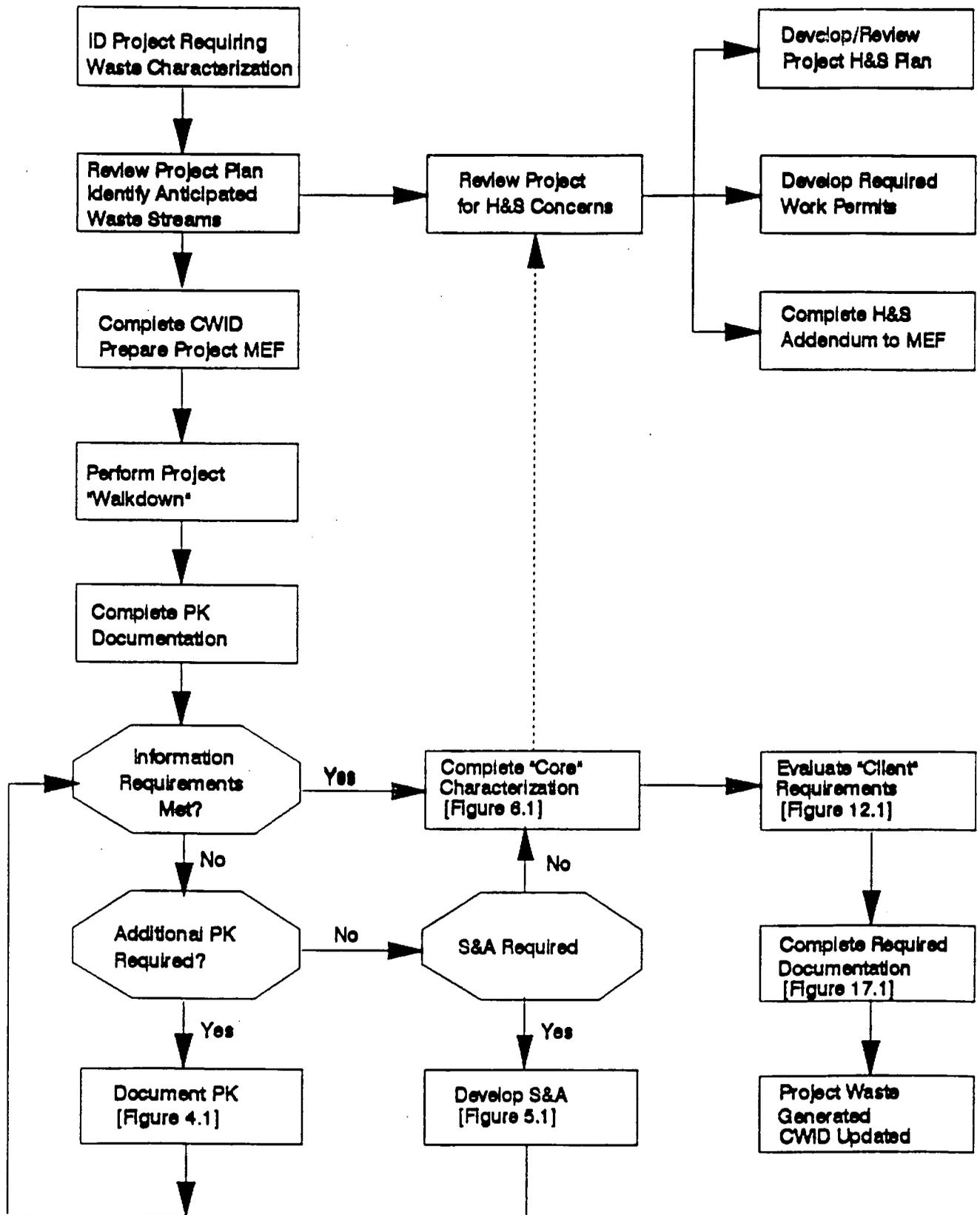
ATTACHMENT II



- General MEF Process



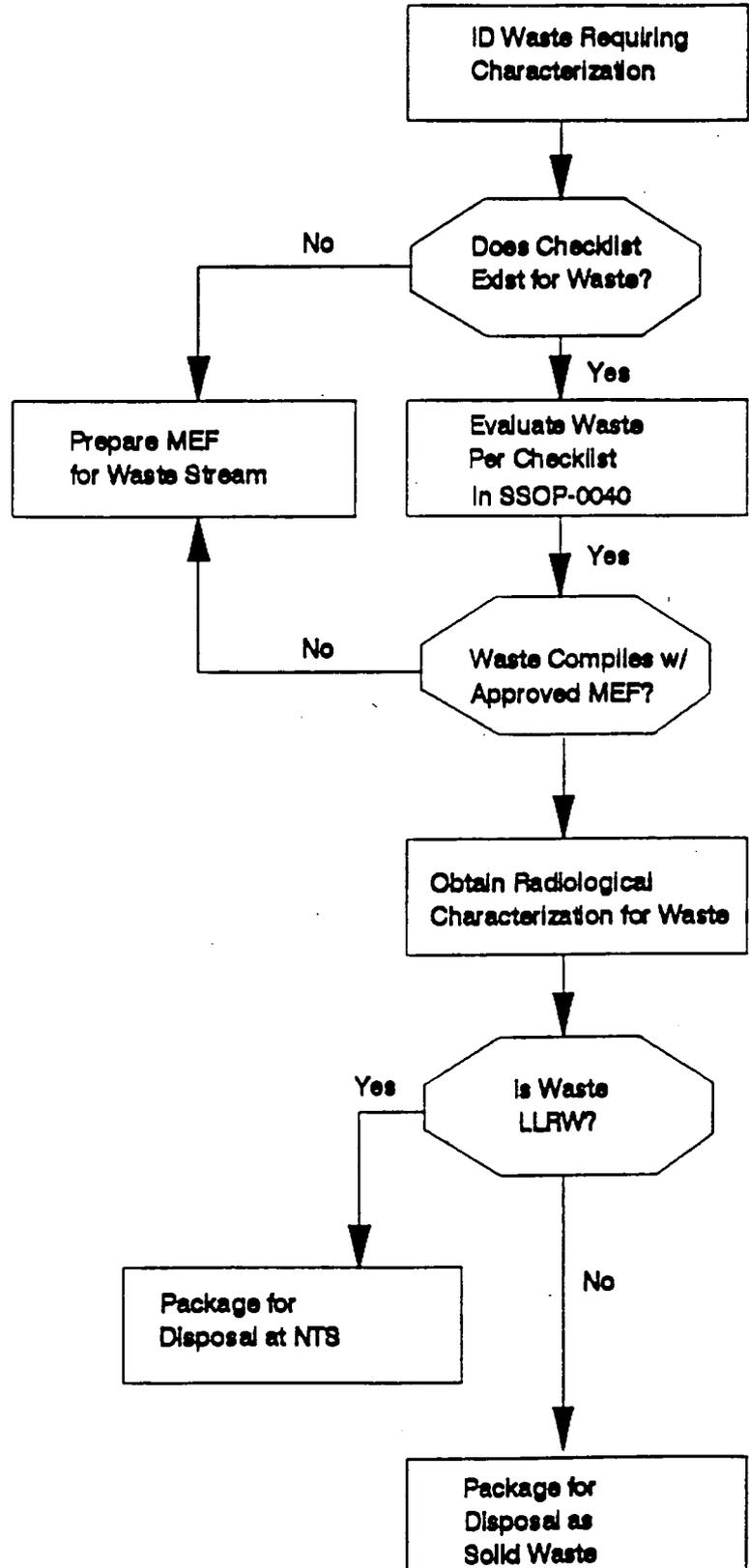
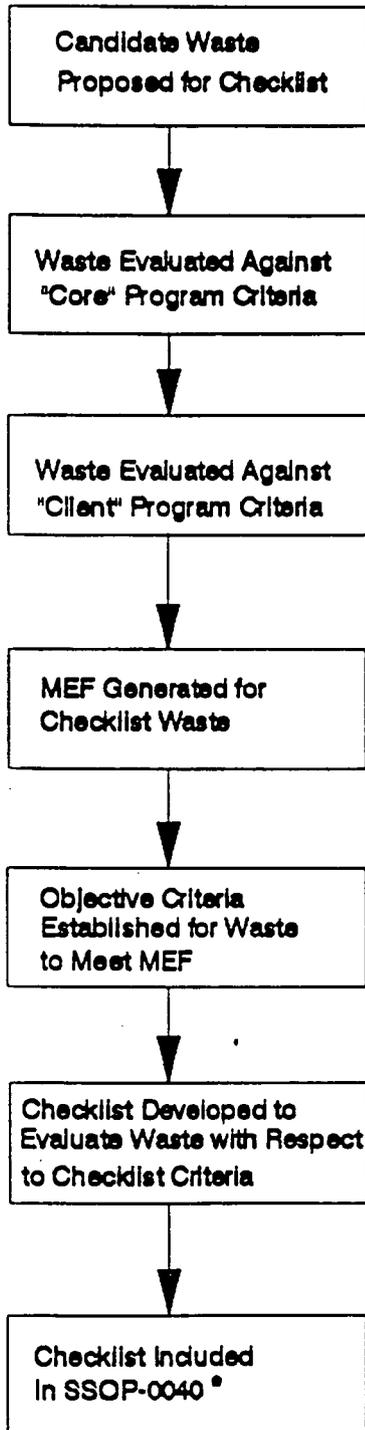
Project MEF Process



5092

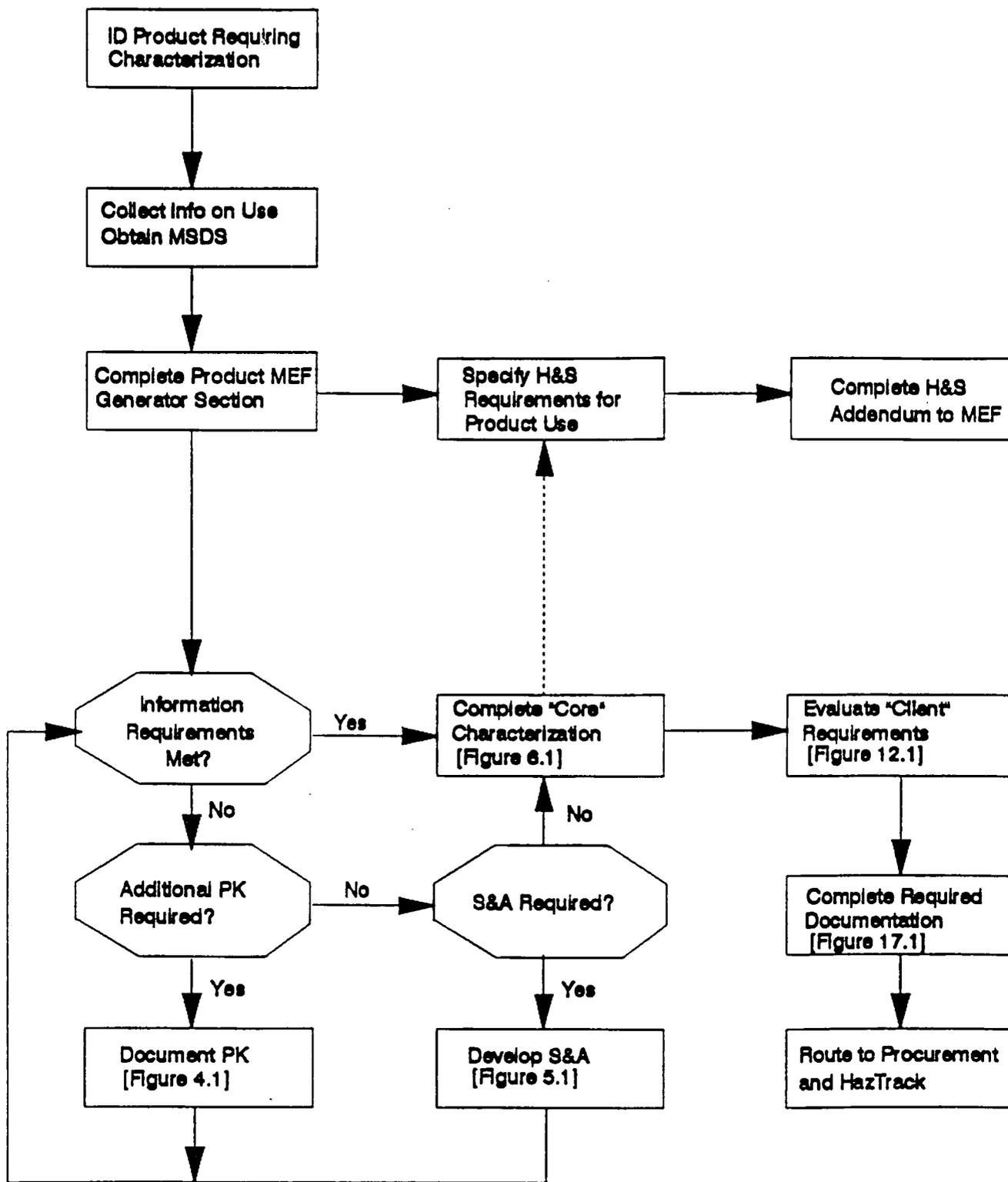
95

Checklist MEF Process

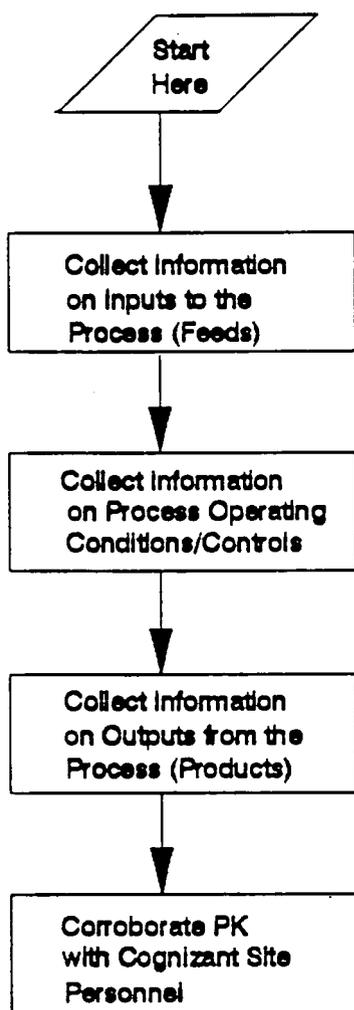


- Checklists Currently Developed for:
- Wood (MEF #905)
- Metal (MEF # 1088)
- Light Duty Vehicles (MEF #1230)

Product MEF Process



Collecting Process Knowledge

Steps for Collecting PKSources of Information

- Standard Operating Procedures
- Technical References
- Procurement Records
- MSDS Information
- HazTrack Records

- Standard Operating Procedures
- Technical Reports
- Equipment Operating Manuals

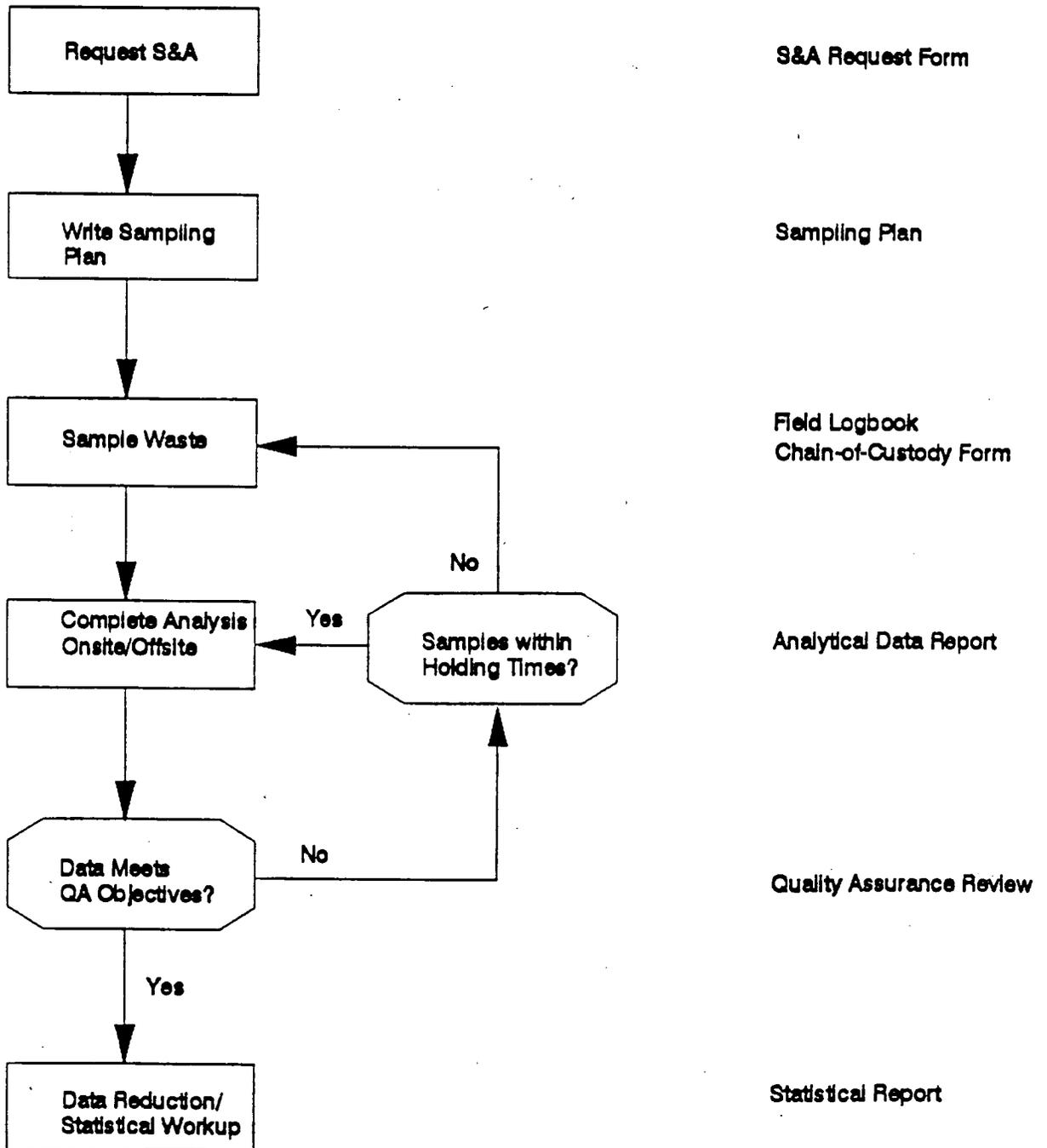
- Standard Operating Procedures
- Manufacturing Specifications
- Technical References
- MSDS Information

- Contact Reports
- PK Statements from Personnel

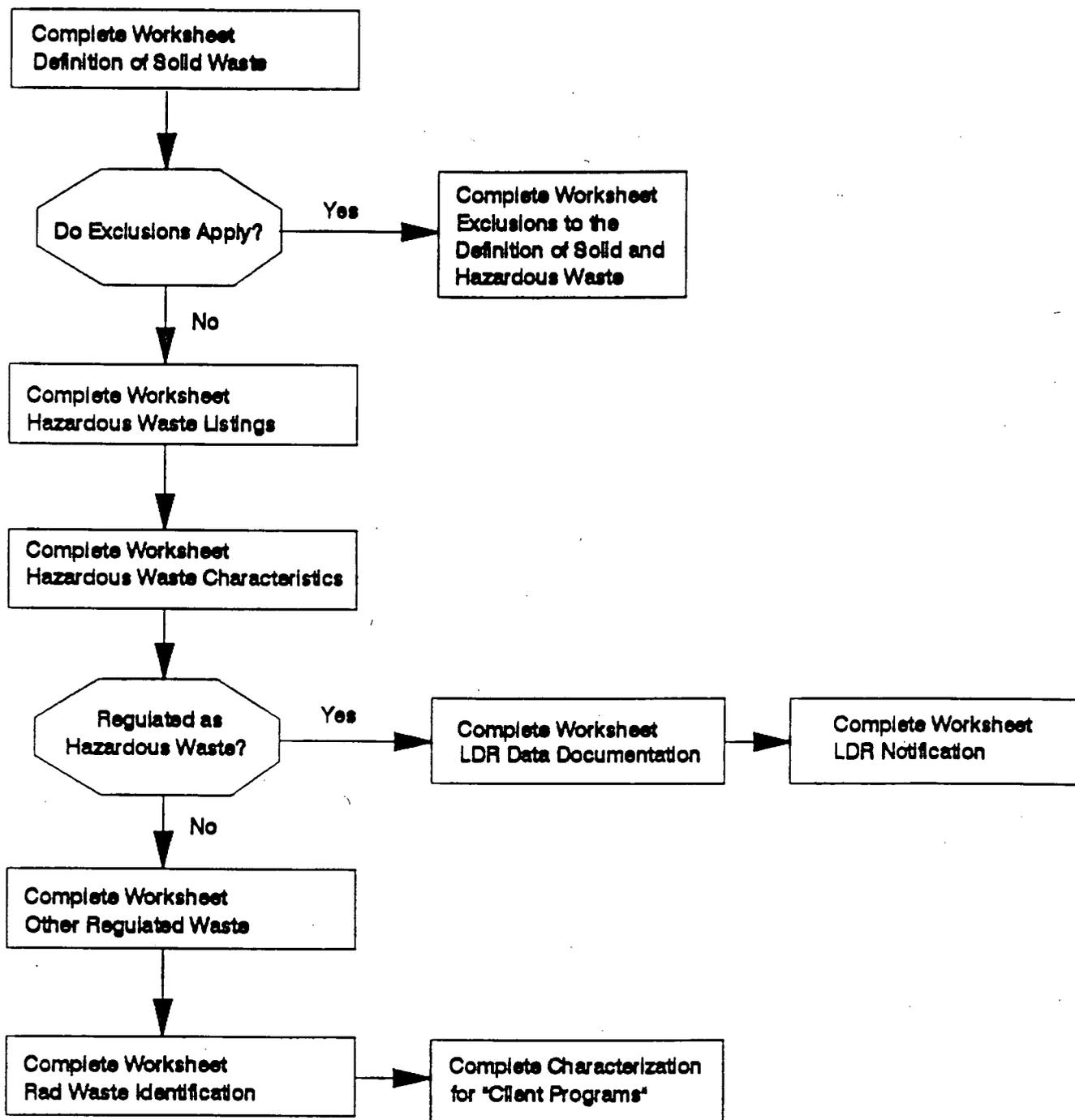
Sampling & Analysis Process

Steps In Process

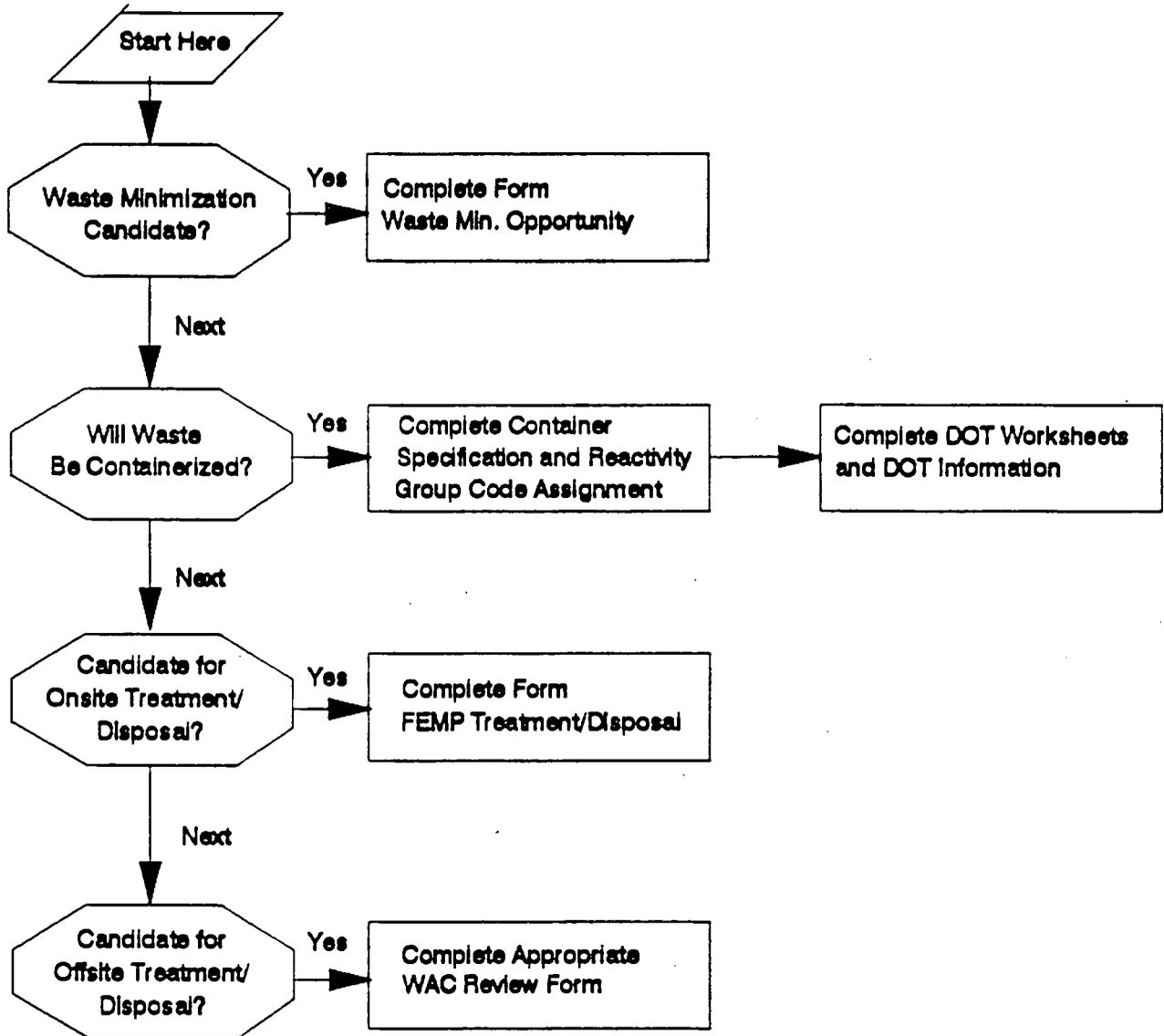
Documentation Generated



"Core Program" Characterization Process



"Client Program" Characterization Process



ATTACHMENT III



LESSON PLAN - PART I, GENERAL

COURSE TITLE: 8 HOUR REFRESHER/COMPLIANCE TRAINING VOLUME I

LESSON NUMBER

LESSON TITLE

Material Evaluation Forms

LESSON DURATION

Classroom/Laboratory

Complementary

Total

30 Minutes

30 Minutes

JOB PROFICIENCY/TRAINING REFERENCE

Title

Reference

PRECLASS PREPARATION

Equipment located in Laboratory

Equipment from Supply

Training Material Written

Graphic Aids Training Material

Lesson Plan

- * Overheads
- SSOOP-0002
- * Material Evaluation Form
- * Block Flow Diagram
- * Attachment I Responsibilities/contacts

TEACHING STEPS

1. Presentation
2. Questions

PART II - TEACHING GUIDE

ATTENTION:

Waste characterization is a vital site function. No forward momentum can be made until waste streams have been identified as to what exists, quantity, and location. You will be asked to participate in this information collection process.

OVERVIEW:

Your role may include filling out a Material Evaluation Form. This form allows for input on a given waste stream from a variety of groups. Each group may possess only part of the information. This form allows for the collection of this information.

MOTIVATION:

The use of the Material Evaluation Form will expedite the information gathering process regarding the waste characterization process.

TRANSITION:

Now, lets begin our lesson.

3857

TITLE: Material Evaluation Form

LESSON NO.

LEARNING OBJECTIVES	SUPPORT MATERIALS & GUIDANCE
<p><u>Terminal Objective:</u></p> <p>Student will understand:</p> <ul style="list-style-type: none"> * the purpose of waste characterization • the purpose of the Material Evaluation Form <p><u>Enabling Objectives:</u></p> <ol style="list-style-type: none"> 1. Student will be able to recognize and state which section of the Material Evaluation Form they are required to complete. 2. Student will be able to refer to SSOP-0002 for guidance. 3. Student will be able to refer to the block flow diagram and the responsibilities/contact list for guidance. 	<p><u>Teaching Time</u></p> <p>30 Minutes</p> <p><u>Teaching Methods</u></p> <p>Classroom Instruction</p> <p><u>Training Material</u></p> <p>Material Evaluation Form SSOP-0002 List of Responsibilities/Contacts Block Flow Diagram</p> <p><u>Instructor Guidance</u></p> <p>Before the lesson begins ask the students to remove from their manuals and place in front of them following documents:</p> <ol style="list-style-type: none"> 1. Attachment I - Responsibilities/contacts 2. Block Flow Diagram 3. Material Evaluation Form 4. SSOP-0002 <p>Instructor must have completed the WEMCO Instructor Qualification program and be certified by Central Training.</p>

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TITLE:

LESSON NO.

PRESENTATION	REMARKS
<p>Is what you know about this waste stream based on:</p> <ul style="list-style-type: none"> a. Process Knowledge b. Analytical Data <p>If you are weak in either area, what can you add to clarify what you know or need to know?</p> <p><u>III. COMPLIANCE FUNCTIONS SUPPORTED BY:</u> <u>WASTE CHARACTERIZATION</u></p> <p>Waste characterization is a vital process at the site. Many decisions will hinge upon knowing exactly what waste you have and the quantity and it's location. Some of those decisions will impact the following areas.</p> <p>1. <u>RCRA Waste Identification</u></p> <ul style="list-style-type: none"> A. Listed B. Characteristic <p>Is the solid waste a hazardous waste because it is a listed waste or because it exhibits one or more of the following four characteristics?</p> <ul style="list-style-type: none"> * ignitability * corrosivity * reactivity * toxicity <p>2. <u>Radiological Characterization</u></p> <ul style="list-style-type: none"> A. Mixed Waste <p>Is the waste radioactive? (yes/no)</p>	<p>OVERHEAD 3</p>

TITLE:

LESSON NO.

PRESENTATION	REMARKS
<p>If yes - is it pure product/or a radiological material mixed with a RCRA material creating a mixed waste?</p> <p>3. <u>Department of Transportation Information</u></p> <p>A. Shipment</p> <ul style="list-style-type: none"> • What labels are required? • Is paperwork required, such as a manifest? • How will it be shipped and where? <p>B. DOE Policy - for labeling/marketing of wastes on site (Lot Marking Code)</p> <ul style="list-style-type: none"> • What labels are required? • How many? • Where are they placed on the container? <p>C. SSOP-0008 Preparing & Transferring uncharacterized waste to the control holding area. (Another SOP requiring the use of a Material Evaluation Form)</p> <p>4. <u>Proper Container Specification</u></p> <p>A. Storage</p> <ul style="list-style-type: none"> • What type of container will be utilized? 	<p>OVERHEAD 4</p>

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TITLE:

LESSON NO.

PRESENTATION	REMARKS
<p>8. Transportation</p> <ul style="list-style-type: none"> ● What type of container is necessary for shipment? ● Is that different from the type it has been stored in? ● Will it be overpacked? <p>5. <u>Reactivity Group Code Assignment</u></p> <p>A. Segregation</p> <ol style="list-style-type: none"> 1. Storage 2. Leaks/spills <p>Are there any special requirements for the segregation of incompatible substances?</p> <ul style="list-style-type: none"> ● How far apart do they need to be? ● Buffer zone necessary? ● dykes, berms? ● light sensitive? ● shock sensitive? ● What happens if there is a spill? <ul style="list-style-type: none"> - any special precautions - how do we clean it up - what do the reacting substances produce 	

TITLE:

LESSON NO.

PRESENTATION	REMARKS
<p>6. <u>Free Liquids Determination</u></p> <p>A. Storage restrictions</p> <p>If there are free standing liquids are there special storage requirements?</p> <p>7. <u>Land Disposal Restrictions</u></p> <p>A. Disposal</p> <p>B. Treatability</p> <ul style="list-style-type: none"> ● Are any of the wastes land banned items as per HSWA (Hazardous and Solid Waste Amendments)? ● Are there any pretreatment requirements? <p>8. <u>Compliance with Hazardous Waste Regulations</u></p> <p>A. RCRA/NON RCRA</p> <p>If it is a NON RCRA material, are there any other regulatory requirements?</p> <p>B. Impacts decision regarding corrective action/remediation</p> <p>Can this be addressed as a short term "spot cleaning" vs. a long term site cleanup?</p>	<p>OVERHEAD 5</p>

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TITLE:

LESSON NO.

PRESENTATION	REMARKS
<p>9. <u>Impacts other Compliance Programs</u></p> <p>Everyone else needs to know what there is and the quantity and the location to determine if other regulations apply and to what extent.</p> <p><u>IV. WASTE CHARACTERIZATION IS INITIATED BY THE WASTE GENERATOR</u></p> <p>The group that produced the waste should have the most information about its creation and the formula.</p> <p>EXAMPLE: It would be equivalent to going to the parents to collect information about their children.</p> <p>The parents should be able to state hair color, eye color, birth date, favorite food and toys.</p> <p>In this case you are going to the "parents" of the waste stream.</p> <p><u>V. THE VEHICLE FOR COMPLETING WASTE CHARACTERIZATIONS IS THE MATERIAL EVALUATION FORM</u></p> <p>The intent of this document is to have <u>one</u> form.</p> <p>One form that everyone uses.</p> <p>One format that is consistent.</p>	<p>☛ OVERHEAD 6</p> <p>☛ OVERHEAD 7</p> <p>NOTE: ASK STUDENTS TO LOOK AT MATERIAL EVALUATION FORM</p>

3857

TITLE:

LESSON NO.

PRESENTATION	REMARKS
<p><u>VII. IT REQUIRES THE COORDINATED EFFORTS OF VARIOUS GROUPS ON SITE</u></p> <p>One person is not expected to have all the necessary information. Many groups will assist. The process will start with:</p> <ul style="list-style-type: none"> ✓ Generator - Section I ✓ Facilities and Material Evaluation - Section II ✓ Environmental Engineering - Section III ✓ Material Control and Accountability - Section IV ✓ Facilities and Warehousing - input as needed ✓ Industrial Radiological Safety and Training - input as needed ✓ Toxic and Solid Waste Programs - input as needed <p>(EXAMPLE: This would be equivalent to asking for information on the children, starting with the parents and then going to the pediatrician, teachers, friends, grandparents etc.)</p>	<p>☛ OVERHEAD 10</p> <p>NOTE: ASK STUDENTS TO LOOK AT BLOCK FLOW DIAGRAM</p> <p>☛ OVERHEAD 11</p> <p>☛ OVERHEAD 12</p>

TITLE:

LESSON NO.

PRESENTATION	REMARKS
<p>At any step along the way, if you don't know what information is being requested refer to the list of responsibilities/contacts. Pick up the phone and call someone for the necessary clarification.</p> <p><u>VIII. INSTRUCTIONS FOR FILLING OUT THE MATERIAL EVALUATION FORM ARE CONTAINED IN SSOP-0002</u></p> <p>For the purpose of this lecture we will assume no matter which group you actually work in today you can be a "generator" or originator of the waste product.</p> <p>Refer with students to the section of SSOP-0002 pertaining to generators.</p> <p>Generators fill out:</p> <p style="padding-left: 40px;">Section I</p> <p style="padding-left: 40px;">Items 1 - 16b</p> <p>forward to IRS&T for completion of:</p> <p style="padding-left: 40px;">16c & 16d</p> <p>returned to generator, forwarded to:</p> <p style="padding-left: 40px;">Facilities and Material Evaluation (Section II)</p>	<p>NOTE: ASK STUDENTS TO PICK UP ATTACHMENT I RESPONSIBILITIES/CONTACTS.</p> <p>☛ OVERHEAD 13</p> <p>NOTE: ASK STUDENTS TO PICK UP SSOP-0002 AND MATERIAL EVALUATION FORM</p> <p>☛ OVERHEAD 14 AND 15</p> <p>☛ NOTE: INFORMATION FOR FILLING OUT ITEMS 1 - 16B FOUND ON PAGE 10 (TABLE 1) OF SSOP-0002</p> <p>☛ NOTE: QUESTIONS? REFER BACK TO ATTACHMENT I RESPONSIBILITIES/CONTACTS</p> <p>☛ REFER TO BLOCK FLOW DIAGRAM</p>

3857

TITLE:

LESSON NO.

PRESENTATION	REMARKS
<p data-bbox="236 418 488 450"><u>IX. CONCLUSIONS</u></p> <p data-bbox="236 480 774 545">When the form has made the circuit then several decisions may occur:</p> <ol data-bbox="278 575 786 1548" style="list-style-type: none"><li data-bbox="278 575 786 728">1. The Material Evaluation Form contains plenty of information and you can make a regulatory determination based on that information.<li data-bbox="278 761 786 976">2. The Material Evaluation Form has little/no information - send the form to another group with clarifications on information needed or collect a sample and send it for analysis.<li data-bbox="278 1009 786 1170">3. The Material Evaluation Form contains conflicting information - collect a sample and send it for analysis.<li data-bbox="278 1203 786 1548">4. Additional Standard Operations Procedures utilizing Material Evaluation Forms:<ol data-bbox="304 1360 690 1548" style="list-style-type: none"><li data-bbox="304 1360 690 1450">A. SOP 20-C-910 "Venting Potentially Explosive Drums"<li data-bbox="304 1483 690 1548">B. SOP 20-C-615 "Controlled Holding Area"	

PART II - TEACHING GUIDE (CONTINUED)
CONCLUSION

SUMMARY:

The intent of the Material Evaluation Form is to allow knowledgeable groups to contribute to the waste characterization process utilizing one form. Then decisions can be made based on the information the Material Evaluation Form contains; adequate information exists based on process knowledge or samples need to be collected and analyzed to provide the missing information.

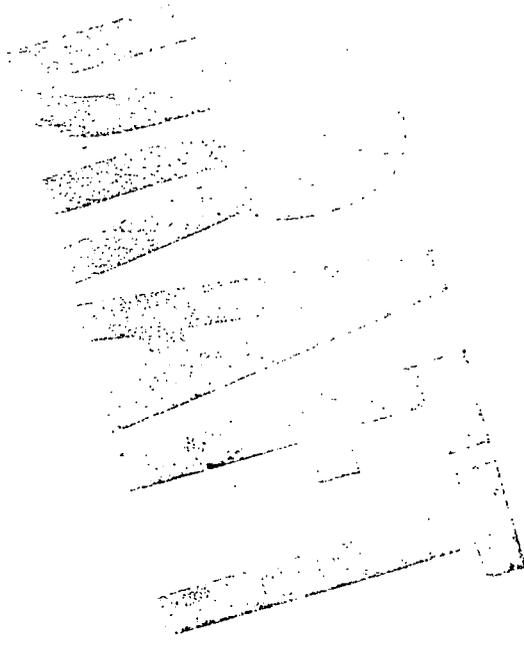
RE-MOTIVATION:

This process utilizing the Material Evaluation Form should expedite the information gathering process and allow for timely decisions on waste characterization.

CLOSURE:

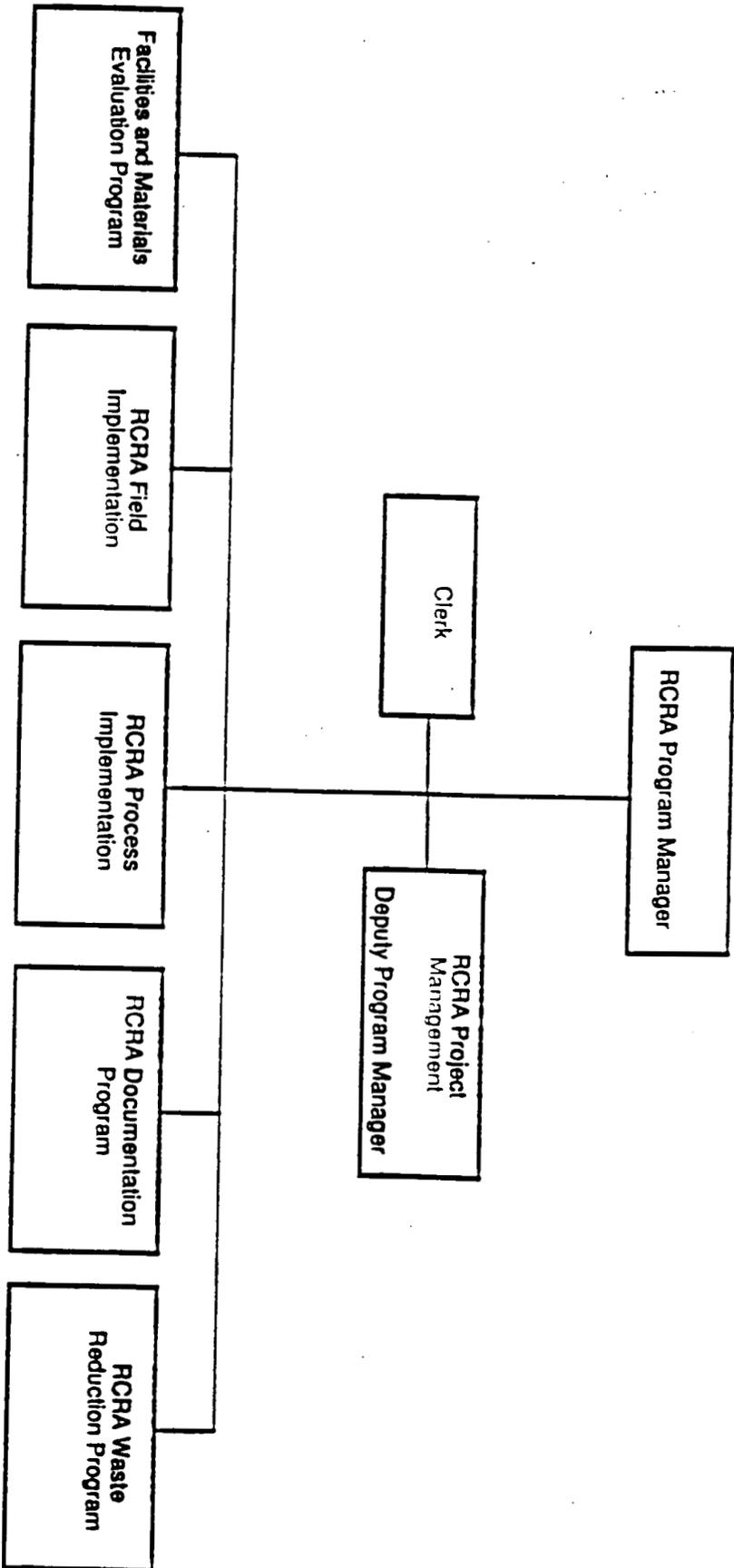
That ends the lesson. Any Questions?

ATTACHMENT IV



RCRA PROGRAM

FEMP



RCRA PROJECT MANAGEMENT CHARTER

1.0 PROJECT

The RCRA Project Management (RPM) Section is a part of the FEMP Site Resource Conservation and Recovery Act (RCRA) Program. The RPM Section has been developed to address the integration of sitewide matrix support, provide direct RCRA Project/Task management, and implement administrative measures for the RCRA Program in order to accomplish the Department of Energy's (DOE) RCRA Program goals, as they relate to the DOE mission for the Fernald Environmental Management Project (FEMP).

2.0 ORGANIZATION

The RPM Section is comprised of the following staff (by function):

- 2.1 Deputy RCRA Project Manager
- 2.2 Program Commitment Tracker
- 2.3 RCRA Project Lead
- 2.4 Project/Task Leaders
- 2.5 Project/Task Overseers
- 2.6 Secretarial Support

3.0 DEFINITIONS

3.1 RCRA PROJECT

A RCRA Project shall be any activity related to the RCRA Program which has a discrete scope of work, defined start date and targeted completion date. RCRA projects relate primarily to the installation, modification or upgrade of equipment or facilities necessary to achieve the goals of the RCRA Program.

3.2 RCRA TASK

A RCRA Task shall be any activity related to the RCRA Program which has a discrete scope of work, defined start date and targeted completion date. A RCRA Task supports the implementation of an operational process or completion of a required activity necessary to achieve the goals of the RCRA program.

3.3 RCRA PROJECT/TASK LEADER

A RCRA Project/Task Leader shall be the person responsible for the completion of a RCRA Project or Task. In addition, the RCRA Project/Task Leader will be responsible for performing the following activities for each Project or Task:

- o Develop and maintain a resource loaded schedule
- o Develop a budget
- o Track expenditures
- o Resolve technical issues
- o Develop and maintain a roster of cognizant personnel
- o Interface with the cognizant personnel
- o Determine baseline completion dates for internal milestones and commitments
- o Provide direction and identify support requirements

A RCRA Project/Task Leader does not have to be assigned to the RCRA Program.

3.4 RCRA PROJECT/TASK OVERSEER

A RCRA Project/Task Overseer shall be the liaison between the RCRA Project/Task and the RCRA Program. In addition, this person shall be responsible for performing the following activities for each Project or Task:

- o Monitor progress
- o Identify areas of concern
- o Provide status to the RCRA Program
- o Be the primary contact for external personnel (ie, DOE)
- o Serve the Project/Task Leader
- o Assist Project/Task Leaders with:
 - Allocating Resources
 - Prioritizing activities
 - Resolving technical issues
 - Obtaining subcontractor services

Projects and Tasks that have an active Project/Task Leader within the RCRA Program are not required to have a Project/Task Overseer. In those cases where a Project/Task Overseer is not assigned, the RCRA Project/Task Leader will also be responsible for performing the activities normally assigned to the Project/Task Overseer. Note: all Project/Task Overseers must report directly to the RCRA Program.

Note: Cost Account Manager responsibilities for each RCRA Project or Task are to remain within the RCRA Program.

4.0 RESPONSIBILITIES

The RCRA Project Management Section shall be responsible for the following:

- o Administrative Controls and Reporting for the RCRA Program
- o Management of RCRA Projects and Tasks
- o Integration of Site-wide Matrix Support

4.1 ADMINISTRATIVE CONTROLS AND REPORTING

- 4.1.1 Establish and maintain a RCRA Program Commitment Control Data Base.
- 4.1.2 Track RCRA Program Commitments.
- 4.1.3 Provide direct assistance to the RCRA Program Manager for oversight of the RCRA Program.
- 4.1.4 Provide direct assistance to the RCRA Program Manager for transition of the program to the ERMIC.
- 4.1.5 Track the program of Part A/B revisions.
- 4.1.6 Review changes to the Drum Management plan.
- 4.1.7 Monitor the progress of closure plan development.

4.2 PROJECT/TASK MANAGEMENT

- 4.2.1 Establish the basis for newly identified RCRA Tasks and Projects. This includes defining goals and objectives, developing Scopes of Work and determine milestones.
- 4.2.2 Assign cognizant Project/Task Leaders and Overseers to existing and newly identified RCRA Projects and Tasks.
- 4.2.3 Establish RCRA Project/Task commitments. Enter commitments into the RCRA commitment control data base.
- 4.2.4 Maintain a log of each RCRA Project/Task indicating Leaders and Overseers.
- 4.2.5 Assist RCRA Project/Task Leaders in developing a baseline resource loaded schedule.

4.2.6 Track schedule, budget and activity progress for each RCRA Project/Task.

4.3 INTEGRATION OF SITEWIDE MATRIX SUPPORT

4.3.1 Provide advanced notification to DOE when external commitments or milestones are in jeopardy of not being met.

4.3.2 Prioritize characterization activities for Material Evaluation Forms.

4.3.3 Prioritize visual and sampling efforts on waste containers.

4.3.4 Prioritize actions to identify and implement treatment and disposal options for hazardous waste (both mixed and non-radiological).

4.3.5 Identify areas of improvement in operations related to the RCRA Program.

4.3.6 Assign closure plan development activities.

5.0 RELATIONSHIP WITH OTHER SECTIONS WITHIN THE RCRA PROGRAM

5.1 RCRA FIELD IMPLEMENTATION SECTION

The RCRA Project Management section will assist RCRA Field Implementation with completing corrective actions, as required.

The RCRA Field Implementation section will assist RCRA Program Management with the implementation of Internal Compliance Schedules.

5.2 RCRA PROCESS IMPLEMENTATION SECTION

Interface with the RCRA Process Implementation Section to assure that applicable regulatory requirements are integrated and prioritized for RCRA Projects and Tasks, based upon the consequential effects of non-compliance.

Assist the RCRA Process Implementation Section in establishing the basis for training efforts related to the RCRA Program.

FACILITIES AND MATERIALS EVALUATION PROGRAM CHARTER

1.0 PURPOSE:

The Facilities and Materials Evaluation (FME) Program is part of the FEMP's RCRA Program. The FME program has been developed to characterize wastes generated at the FEMP or associated facilities, under the Resource Conservation and Recovery Act (RCRA).

The FME program at the FEMP serves three primary goals:

1. To support health and safety programs.
2. To comply with waste characterization requirements under 40 CFR 262.11.
3. To provide information required to ensure operational compliance for materials management (e.g., waste acceptance criteria, compatible storage etc.).

2.0 ORGANIZATION:

The FME Program is composed of three main areas of responsibility:

1. Project Generated Waste
2. Currently Generated Waste
3. Backlogged Generated Waste

3.0 RESPONSIBILITIES:

The FME Program shall be responsible for the characterization of wastes generated or managed at the FEMP. Characterization is also required for environmental media (e.g., soils) that are managed as waste because they contain materials regulated under one or more of the material specific regulatory authorities. In addition, under legal agreement with the State of Ohio, certain materials stored on-site that may not be classified as waste must be characterized.

FME shall also be responsible for maintaining the Waste Determination Plan and for providing technical input to the Waste Analysis Plan (Section C of the Part B Permit).

3.1 PROJECT GENERATED WASTES:

The FME Program Project Generated Waste responsibilities involve the following:

- 3.1.1 RCRA determinations for wastes generated from Construction Projects.
- 3.1.2 RCRA determinations for wastes generated from Maintenance projects.
- 3.1.3 RCRA determinations for wastes generated from CERCLA Removal Actions.
- 3.1.4 RCRA determinations for wastes generated from RCRA Closure Plans.
- 3.1.5 RCRA determinations for wastes generated from Safe Shutdown Program.
- 3.1.6 RCRA determinations for wastes generated from Task 23 (Newly Identified Materials).
- 3.1.7 Regulatory Position Development as it relates to waste characterizations associated with this section.

3.2 CURRENTLY GENERATED WASTE:

The FME Program Currently Generated Waste responsibilities include the following:

- 3.2.1 RCRA determinations for wastes generated from non-project (on-going) activities.
- 3.2.2 Department of Transportation information.
- 3.2.3 Reactivity Group Code assignment.
- 3.2.4 Low Level Waste/Nevada Test Site expertise as it relates to waste characterization per NVO-325.
- 3.2.5 D&D determinations via the checklists.
- 3.2.6 Maintenance of operating records for MEF's.
- 3.2.7 Assignment of MEF numbers.
- 3.2.8 Assist in the development of Table C-1.
- 3.2.9 Sample Request Coordination.

- 3.2.10 General assistance for generators (i.e. questions regarding MEF's).
- 3.2.11 Regulatory Position Development as it relates to waste characterizations associated with this section

3.3 BACKLOGGED GENERATED WASTE:

The FME Program Backlogged Generated Waste responsibilities involve the following:

- 3.3.1 RCRA determinations for wastes generated from when the facility was in production (e.g., Task 25 and Task 23).
- 3.3.2 Reconciliation of the inventory as it relates to waste characterization.
- 3.3.3 Provide information for treatment and disposal.
- 3.3.4 Land Disposal Restriction information (e.g., Waste Water Treatment).
- 3.3.5 Waste Acceptance Criteria Plan.
- 3.3.6 Sample Returns from off-site.
- 3.3.7 Regulatory Position Development as it relates to waste characterizations associated with this section.

4.0 APPLICABLE DOCUMENTS:

4.1 Code of Federal Regulations

- 4.1.1 Title 29, OSHA
- 4.1.2 Title 40, Parts 260 through 271, Environmental Protection Agency (RCRA)
- 4.1.3 Title 40, Parts 1500 through 1599, Council on Environmental Quality
- 4.1.4 Title 10, Part 1021, Department of Energy, National Environmental Policy Act Implementing Procedures
- 4.1.5 Title 49, Transportation
- 4.1.6 Title 42, U.S.C. 4321 National Environmental Policy Act

4.2 DOE ORDERS

- 4.2.1 4700.1 Project Management System
- 4.2.2 5400.5 Radiation Protection of the Public & Environment
- 4.2.3 5440.1C Implementation of the National Environmental Policy Act
- 4.2.4 5440.1D Implementation of the National Environmental Policy
- 4.2.5 5820.2A Management of Low Level Waste (LLW), Chapter 3
- 4.2.6 NVO.325 DOE/NV Waste Acceptance Criteria
- 4.2.7 SEN 15-90 Secretary of Energy Notice "National Environmental Policy Act"

4.3 State Regulations

- 4.3.1 OAC (State of Ohio RCRA Regs)

4.4 Westinghouse Directives

- 4.4.1 Westinghouse Environmental Affairs Guidance

4.5 Legal Agreements

- 4.5.1 Federal Facilities Compliance Agreement
- 4.5.2 Director's Findings and Orders (OEPA, 1987)
- 4.5.3 Amended Consent Decree (OEPA, 1990)

RCRA DOCUMENTATION PROGRAM CHARTER**1.0 PURPOSE**

The RCRA Documentation Program (RDP) is a part of the FEMP site RCRA Program. The RDP has been developed to prepare, complete and retain RCRA documents generated at the FEMP.

The RDP is responsible for preparation, completion and retention of RCRA documents as necessary to fulfill Federal, State and DOE requirements. RCRA documentation will be maintained by the RDP or the RDP will counsel other FEMP site departments on RCRA recordkeeping requirements. The RDP will prepare documents such as the RCRA Part B Permit Application and will assist in preparation of other RCRA documents as necessary.

2.0 ORGANIZATION

The RDP is composed of three areas of responsibility:

1. RCRA Part A and Part B Permit Application
2. Operating Records
3. RCRA Related Documents

3.0 RESPONSIBILITIES

The RDP is responsible for preparation, completion and retention of RCRA documents as necessary to fulfill Federal, State and DOE requirements.

3.1 RCRA Part A and Part B Permit Application

The RCRA Part A and Part B Permit Application responsibilities include the following:

- 3.1.1 Obtain site information which will be used to prepare revisions to the RCRA Part A and Part B Permit Application.
- 3.1.2 Prepare and submit revisions to these documents as necessary and in accordance with the Proposed Amended Consent Decree
- 3.1.3 Assist in development of RCRA Program as necessary to improve or abide by the RCRA Part A and Part B Permit Application.

3.2 Operating Records

The Operating Records responsibilities shall include the following:

- 3.2.1 Develop improved system of maintaining operating records.
- 3.2.2 Maintain operating records in accordance with Federal, State and DOE requirements.

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3.3 RCRA Related Documents

The RCRA Related Documents responsibilities shall include the following:

- 3.3.1 Assist and/or prepare RCRA documents as necessary, including responses to Notices of Violation
- 3.3.2 Identify issues related to the Proposed Amended Consent Decree

RCRA WASTE REDUCTION PROGRAM CHARTER

1.0 PURPOSE

The RCRA Waste Reduction Program (RWR) is a part of the FEMP site RCRA Program. The RWR Program has been developed to address the minimization, treatment and disposal of waste generated at the FEMP or associated facilities regulated under the Resource Conservation and Recovery Act (RCRA). The RWR Program will also address the minimization, treatment and disposal of PCBs. All language in this Charter shall be interpreted to apply to the management of PCBs as well as waste regulated under RCRA.

The RWR Program is responsible for the minimization of RCRA wastes before and after generation. RWR shall counsel other FEMP site departments regarding strategies for the reduction of RCRA wastes that are generated at the FEMP. The goal of this portion of the RWR Program is to prevent the generation and subsequent management of RCRA regulated wastes.

The RWR Program is also responsible for the identification, evaluation and implementation of treatment and disposal technologies for RCRA regulated wastes generated at the FEMP. The goal of this portion of the RWR Program is to establish a means for the proper treatment and disposal of a waste before it is generated.

2.0 ORGANIZATION

The RWR Program is composed of two areas of responsibility:

1. RCRA Waste Minimization
2. RCRA Waste Treatment and Disposal

3.0 RESPONSIBILITIES

The RCRA Waste Reduction Program shall be responsible for the minimization, treatment and disposal of RCRA Hazardous Wastes and RCRA Hazardous Wastes containing radioactive material.

3.1 RCRA Waste Minimization

The RWR Program Waste Minimization responsibilities involve the following:

- 3.1.1 Evaluate continuing FEMP waste streams to develop and implement waste minimization measures where practical.

- 3.1.2 Issue guidance to FEMP organizations providing waste minimization information and strategies that apply to that organization's activities.
- 3.1.3 Provide support to FEMP organizations planning or implementing actions which will produce RCRA wastes. This support will be offered to identify possible modifications to planned or ongoing FEMP activities that will allow for the generation of less or more easily managed RCRA regulated wastes.
- 3.1.4 Ensure the implementation of Section 6002 of RCRA, related USEPA guidance and Executive Order 12780.

3.2 RCRA Waste Treatment and Disposal

RWR Program Waste Treatment and Disposal responsibilities shall include the following:

- 3.2.1 Accept waste characterizations from the Facilities Materials Evaluation (FME) Program and utilize this data to determine the required treatment and disposal method for that individual waste.
- 3.2.2 Evaluate each waste stream based upon data provided by FME to determine the most appropriate and available technology to achieve the treatment and disposal requirements of the applicable regulations.
- 3.2.3 Identify and evaluate vendors of disposal and treatment technologies available for possible disposition of FEMP wastes.
- 3.2.4 Interface with the Purchasing organization to establish contracts for the treatment and disposal of wastes.
- 3.2.5 Interface with the Transportation, Shipping, Materials Accountability and Site Services organizations to arrange for the proper packaging, transportation and shipment of wastes to vendors of treatment and disposal services.

- 3.2.6 Continually monitor and evaluate the activities of vendors engaged in treatment and disposal of wastes from the FEMP to ensure that wastes are being managed in a manner that is consistent with the vendor's contract and applicable regulations. RWR will initiate corrective actions to address concerns regarding the activities of vendors.
- 3.2.7 Monitor actions under CERCLA intended to close RCRA HWMUS in order to ensure the appropriate incorporation of RCRA requirements into the CERCLA action.
- 3.2.8 Provide data as necessary to support the Haz-Trac materials inventory system.
- 3.2.9 Interface with and support the Fernald Integrated Demonstration Site Program as necessary to ensure the proper incorporation of RCRA requirements into that program.
- 3.2.10 Track and maintain documentation of waste treatment and disposal as required by RCRA.

4.0 APPLICABLE DOCUMENTS

4.1 Code of Federal Regulations

- 4.1.1 Title 10, Part 1021, Department of Energy, National Environmental Policy Act Implementing Procedures
- 4.1.2 Title 29, OSHA
- 4.1.3 Title 40, Parts 260 through 271, Environmental Protection Agency (RCRA)
- 4.1.4 Title 40, Part 761, Environmental Protection Agency (TSCA)
- 4.1.5 Title 40, Parts 1500 through 1599, Council on Environmental Quality
- 4.1.6 Title 49, Transportation
- 4.1.7 Title 42, U.S.C. 4321 National Environmental Policy Act

4.2 DOE Orders

- 4.2.1 4700.1 Project Management System

- 4.2.2 5400.5 Radiation Protection of the Public & Environment
- 4.2.3 5440.1C Implementation of the National Environmental Policy Act
- 4.2.4 5440.1D Implementation of the National Environmental Policy Act
- 4.2.5 5820.2A Management of Low Level Waste (LLW), Chapter 3
- 4.2.6 NVO.325 DOE/NV Waste Acceptance Criteria
- 4.2.7 SEN 15-90 Secretary of Energy Notice, "National Environmental Policy Act"

4.3 State Regulations

- 4.3.1 Ohio state RCRA Regulations

4.4 Westinghouse Directives

4.5 Legal Agreements

- 4.5.1 Federal Facilities Compliance Agreement
- 4.5.2 Director's Findings and Orders (OEPA, 1987)
- 4.5.3 Amended Consent Decree

4.6 Others

- 4.6.1 Executive Order 12780, "Federal Agency Recycling and the Council on Federal Recycling and Procurement Policy" (October 31, 1991)

RCRA PROCESS IMPLEMENTATION CHARTER**1.0 PURPOSE**

The RCRA Process Implementation (RPI) Section is a part of the FEMP site Resource Conservation and Recovery Act (RCRA) Program. The RPI Section has been developed to provide for the implementation of the RCRA regulations at the FEMP as they are interpreted by Environmental Compliance.

2.0 ORGANIZATION

The RPI Section is comprised of six areas of responsibility:

- 2.1 RCRA/CERCLA Integration
- 2.2 Regulatory Interface/Implementation
- 2.3 LDR Guidance and Oversight
- 2.4 RCRA Procedures Development
- 2.5 RCRA Groundwater Oversight
- 2.6 RCRA Sampling Integration

3.0 RESPONSIBILITIES**3.1 RCRA/CERCLA Integration**

The RPI Section is responsible for RCRA/CERCLA integration at the FEMP. This will be accomplished by coordination between Operable Unit Managers and the RCRA Program elements, including establishing communication, identification of problem areas requiring resolution, and implementation of ARARs. Activities will include but are not limited to the coordination of PACD language to facilitate the needs of both programs and coordinating the development of joint RCRA Closure/RCRA Removal Action plans to ensure they meet the requirements negotiated with the appropriate agencies.

3.2 Regulatory Interface/Implementation

The RPI Section is responsible for the interface with Environmental Compliance on behalf of the RCRA Program. RPI will facilitate the implementation of policy decisions within the RCRA Program.

3.3 LDR Guidance and Oversight

The RPI Section will provide the implementation strategies for LDR policy developed in Environmental Compliance. The implementation strategy will include the oversight plans as required for the RCRA program to ensure the FEMP's compliance with LDRs.

3.4 RCRA Procedures Development

The RPI section will review existing procedures for RCRA regulatory adequacy to achieve the result of full compliance. RPI will also ensure modification and generation of site specific procedures as required by changes in the regulations.

3.5 RCRA Groundwater Oversight

The RPI section will evaluate the site groundwater monitoring effort for RCRA/CERCLA integration and compliance with the RCRA requirements. RPI will also provide review of modifications to the groundwater program including operation procedures.

3.6 RCRA Sampling Integration

The RPI Section will overview the site sampling program needs to ensure integration and avoid duplication of effort. RPI will interface with FME to facilitate requirements from the CERCLA Program and provide the necessary troubleshooting.

5.3 RCRA WASTE REDUCTION SECTION

Interface with the RCRA Waste Reduction Section by prioritizing waste streams for which treatment and disposal actions must be researched, developed and implemented.

The RCRA Waste Reduction section is to assure that waste minimization and reduction goals have been adequately incorporated into RCRA Projects and Tasks.

5.4 RCRA DOCUMENTATION PROGRAM SECTION

Assist the RCRA Process Documentation Program section in identifying inefficiency and inconsistencies in sitewide and departmental procedures relating to the RCRA Program.

The RCRA Project Management Section will track the progress of RCRA Documentation Program's Part A/B permit revisions.

The RCRA Documentation Program Section is to notify RCRA Project Management section when the site is out of compliance with the Part A/B permit.

The RCRA Documentation Program Section will notify RCRA Project Management of Notice of Violations received from the OEPA.

The RCRA Project Management Section will review changes to the Drum Management Plan.

The RCRA Documentation Program Section will notify RCRA Project Management of changes made to the Operating Record relating to the RCRA Program.

5.5 FACILITIES AND MATERIAL EVALUATION

Interface with the Facilities and Material Evaluation Section by prioritizing characterization efforts of Material Evaluation Forms.

Will specify the format of documentation being submitted from Facility and Material Evaluation to Site Services.

6.0 RELATIONSHIP WITH ORGANIZATION OUTSIDE THE RCRA PROGRAM

6.1 PROJECT MANAGEMENT

Project management will provide Project Engineering Services on RCRA Projects. It is encouraged, but not required, that Project Engineers (from Project Management) be assigned as Project Leaders over RCRA projects.

6.2 ENGINEERING SUPPORT

Engineering Support will provide design and conceptual design services on RCRA projects.

6.3 ENVIRONMENTAL ENGINEERING

The RCRA Program Management section will assign closure plan development activities to Environmental Engineering in accordance with RCRA Compliance schedules.

RCRA Project Management will monitor Environmental Engineering's progress on the development of closure plans, and assist with matrix support needs.

Environmental Engineering will assist the RCRA Program Management section with technical engineering support related to the development of conceptual design requirements for RCRA projects.

6.4 PROGRAM CONTROL AND INTEGRATION

The Program Control and Integration Section will provide scheduling and resource loading services to RCRA Project Management. Program Control and Integration will be responsible for preparing the RCRA Plan-of-The-Day book.

6.5 SITE SERVICES

The RCRA Project Management section will establish the priorities for visual inspections and sampling efforts of waste containers.

The RCRA Project Management section will assist Site Services with operations and storage of hazardous waste containers.

The RCRA Project Management section will assist Site Services in determining short and long term storage requirements of hazardous waste containers.

6.6 SITE MEDIA SAMPLING

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The RCRA Project Management section will establish the priorities for the preparation of visual and sampling plans, and statistical analysis of sampling data.

COMPLIANCE SCHEDULES

ENCLOSURES

HWMU NO.	NAME	COMPLIANCE SCHEDULE REQUIREMENTS	DUE DATE	STATUS'
16.0	Primary Calciner	Verify the amount of hazardous waste stored in the unit	Completed	1
21.0	Hilico Oil Recovery	Verify the amount of hazardous waste stored in the unit	Completed	1
51.0	Pit 5 ETF (Rem #11)	Verify the amount of hazardous waste stored in the unit	Completed	1
15.0	Oxidation Furnace #1	Submit a RCRA Annual Report to OEPA	01/20/93	2
41.0	Sludge Drying Beds	Submit a RCRA Annual Report to OEPA	01/20/93	2
16.0	Primary Calciner	Submit a RCRA Annual Report to OEPA	01/20/93	2
51.0	Pit 5 ETF (Rem #11)	Submit a RCRA Annual Report to OEPA	01/20/93	2
14.0	Box Furnace	Submit a RCRA Annual Report to OEPA	01/20/93	2
10.0	NAR System Components	Submit a RCRA Annual Report to OEPA	01/20/93	2
22.0	Abandoned Sump	Verify the amount of hazardous waste stored in the unit	Completed	1
01.0	Fire Training Facility	Institute measures to control access to the unit	11/30/92	3
14.0	Box Furnace	Verify the amount of hazardous waste stored in the unit	Completed	1
23.0	Well Drilling Storage	Verify the amount of hazardous waste stored in the unit	Completed	1
04.0	Drum Storage/dock	Verify the amount of hazardous waste stored in the unit	Completed	1
05.0	Drum Storage/W-26	Verify the amount of hazardous waste stored in the unit	Completed	1
10.0	NAR System Components	Verify the amount of hazardous waste stored in the unit	Completed	1
03.0	Waste Oil Storage	Verify the amount of hazardous waste stored in the unit	Completed	1
46.0	UNH Tanks (5)	Verify the amount of hazardous waste stored in the unit	Completed	1
05.0	Drum Storage/W-26	Institute measures to control access to the unit	Completed	4
04.0	Drum Storage/dock	Institute measures to control access to the unit	Completed	4

NOTE: See Enclosure 2 for status descriptions.

HWMU NO.	NAME	COMPLIANCE SCHEDULE REQUIREMENTS	DUE DATE	STATUS'
15.0	Oxidation Furnace #1	Verify the amount of hazardous waste stored in the unit	Completed	1
01.0	Fire Training Facility	Initiate unit inspections	12/31/93	5
66.0	LL Waste/Thorium (Rem #9)	Include description, quantity and waste analysis in operating record	Completed	6
51.0	Pit 5 ETF (Rem #11)	Update facility operating record for stored/treated wastes	Completed	7
44.0	Coal Pile Runoff	Submit a RCRA Annual Report to OEPA	01/20/93	2
05.0	Drum Storage/W-26	Submit a RCRA Annual Report to OEPA	Completed	11
11.0	Tank Farm Sump	Submit a RCRA Annual Report to OEPA	01/20/93	2
18.0	Plant 8 W Drum Stor.	Submit a RCRA Annual Report to OEPA	Closed	10
06.0	Drummed HF/in 4	Submit a RCRA Annual Report to OEPA	01/20/93	2
17.0	Plant 8 E Drum Stor.	Submit a RCRA Annual Report to OEPA	Closed	10
22.0	Abandoned Sump	Submit a RCRA Annual Report to OEPA	01/20/93	2
52.0	PP N/S Solvent Tanks	Submit a RCRA Annual Report to OEPA	01/20/93	2
07.0	Drummed HF/NW4	Submit a RCRA Annual Report to OEPA	01/20/93	2
13.0	Wheelabrator Dust	Submit a RCRA Annual Report to OEPA	Completed	11
38.0	HF Tank Car	Submit a RCRA Annual Report to OEPA	Completed	11
02.0	Parts Cleaner/Bldg. 12	Submit a RCRA Annual Report to OEPA	Closed	10
46.0	UNH Tanks (5)	Submit a RCRA Annual Report to OEPA	Completed	11
03.0	Waste Oil Storage	Submit a RCRA Annual Report to OEPA	Closed	10
24.0	Equipment Storage	Submit a RCRA Annual Report to OEPA	Closed	10
04.0	Drum Storage/dock	Submit a RCRA Annual Report to OEPA	Closed	10
08.0	Drummed HF/Cool Tower	Submit a RCRA Annual Report to OEPA	01/20/93	2

NOTE: See Enclosure 2 for status descriptions.

**COMPLIANCE SCHEDULE SUMMARY
STATUS DESCRIPTIONS****ITEMS****STATUS DESCRIPTION**

1. The actual requirement from the original compliance schedule submittals for these hazardous waste management units is as follows:

"Verify the amount, if any, hazardous waste that is stored in the unit and document in the inspection record the amount of waste that is present."

The verification of the amount of waste stored in all these inactive hazardous waste management units has been completed. The amount of waste in these units was recorded and entered into the operating record. It was noted that this action completed the compliance schedule requirement by establishing a recorded, baseline measurement of waste contained by each unit. Access to the units is restricted with physical barriers and signs. Since these units are inactive, no waste is being placed in the units and weekly inspections focus upon any evidence of leakage.

This compliance schedule action has remained open for these units because subsequent reviews of inspection reports have revealed that the quantity of waste stored in the unit has not been recorded on a weekly basis in the inspection records. This compliance schedule item will be rewritten to clarify the inspection requirements, i.e., a baseline measurement of waste contained by the unit will be established and weekly inspections will focus upon inspecting for evidence of leakage. These changes will be evident in the submittal of revised compliance schedules on or before October 30, 1992. The FEMP considers these items completed.

2. Information will be included in amendments to the 1991 RCRA Annual Report on January 20, 1993.
3. Access controls were instituted at the Fire Training Facility boundaries as defined by the RCRA Part B Permit Application (dated October 30, 1991). As a result of a removal site evaluation completed by the CERCLA Program which indicates hazardous waste activities, the boundary of the unit has been redefined to include an adjacent area, west of the existing boundary. A work order has been initiated to provide access controls to this new area. Completion of this activity is scheduled on or before November 30, 1992.

ITEMSSTATUS DESCRIPTION

4. The actual requirement from the original compliance schedule submittals for these two hazardous waste management units is as follows:

"Institute measures, as needed to control access to the unit including, but not limited to, erecting a highly visible barricade or boundary markers such as signs, ropes, chains, or fences (OAC 3745-65-12)."

Although measures were instituted to control access to both units, additional safeguards were added to adequately control access to the units. In June 1992, WEMCO proposed and received approval from the OEPA for the installation of temporary covers over these units. Recent Closure Plan Information and Data submittals for these units address the closure of the temporary coverings on these units. This is documented by WEMCO letter WEMCO:EC&QA:92-278. WEMCO considers these actions completed.

5. The actual requirement from the original compliance schedule submittal for this hazardous waste management unit is as follows:

"Initiate and maintain records of unit inspections. Inspections of units with tanks which contain wastes are to include establishing that overflow/spill prevention control equipment is in place on the tanks, or that fill lines and discharge lines have been isolated with blank flanges to prevent overflowing or leaking (OAC 3745-65-15)."

Inspections at the Fire Training Facility were initiated at the unit one month later than the scheduled compliance date. These inspections are ongoing on a weekly basis. A tank located within the FTF boundaries must be inspected per the above requirement. An evaluation will determine if the fill lines and discharge lines have been isolated with blank flanges to prevent overflowing or leaking, and whether or not the unit inspections must be amended. This item will be completed by December 31, 1992.

6. The thorium waste is being managed as a mixed waste and has been placed in the operating record. This item is completed.
7. This action has been completed. Waste was containerized, labeled, and stored on the Plant 1 Pad. The waste from the Pit 5 ETF was removed in accordance with a CERCLA removal action.

ITEMSSTATUS DESCRIPTION

8. The drummed HF waste from these units has been transferred and is currently being stored on the Plant 1 Pad. The drummed HF waste is currently being characterized. The containers will be appropriately labeled and stored in accordance with all applicable regulatory requirements once the characterization is complete. **These items will be completed by December 31, 1992.**
9. The Thorium Waste Compliance Schedule was submitted to the OEPA on September 2, 1992. **This item has been completed.**
10. This requirement is not applicable because these units were not intended for hazardous waste storage and the containers of hazardous waste were transferred to appropriate RCRA Storage Areas as they were identified and thus, already appear as waste streams in the RCRA Annual Report. It should be noted that this compliance schedule action should not have been included in the original compliance schedule submittals for these Hazardous Waste Management Units. **These items are closed.**
11. Wastestream was included in the RCRA Annual Report. **This item has been completed.**