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# COMPLETION OF SAMPLING AND ANALYSIS FOR THE 10,000 DRUMS AND OTHER MATERIALS AFFECTED BY THE HAZARDOUS WASTE MANAGEMENT UNIT REVIEW

03/31/92

DOE-1249-92
DOE-FN/OEPA
2 11
LETTER

[redacted]

Department of Energy
Fernald Environmental Management Project
P.O. Box 398705
Cincinnati, Ohio 45239-8705
(513) 738-6357

MAR 3 1 1992

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DOE-1249-92

Mr. Donald R. Schregardus, Director
Ohio Environmental Protection Agency
1800 WaterMark Drive
P.O. Box 1049
Columbus, Ohio 43266-0149

Dear Mr. Schregardus:

**COMPLETION OF SAMPLING AND ANALYSIS FOR THE 10,000 DRUMS AND OTHER MATERIALS AFFECTED BY THE HAZARDOUS WASTE MANAGEMENT UNIT REVIEW**

The enclosed chart is the summary of Resource Conservation and Recovery Act (RCRA) characterization based on sampling and analysis for the 10,000 Drums and Other Materials affected by the Hazardous Waste Management Unit (HWMU) Review. These streams were evaluated as scheduled in the proposed Amended Consent Decree (PACD) between the Ohio Environmental Protection Agency (Ohio EPA) and the Department of Energy (DOE).

The chart provides a summary of the characterization of the referenced drums, including their RCRA status. Four drums represented by Sampling Plans number 494, 495 and 496 were not located until late February; sampling and analysis has been requested and Ohio EPA will be notified when the characterization process is complete. The review of sampling and analysis results for Sampling Plan number 574 indicate that additional samples that were required to complete the characterization process were inconclusive; therefore, the stream will be reevaluated and the information forwarded to Ohio EPA upon completion. Inventory records show all drums in Sampling Plans number(s) 297, 298, 324 and 464 were generated after June 30, 1990.

If you or your staff have any questions, please contact David Rast at (513) 738-6322.

Sincerely,

R. E. Tiller

R. E. Tiller
Manager

FN:Rast

Enclosure: As Stated



Recycled and Recyclable

cc w/enc.:

K. A. Hayes, EM-424, TREV
J. A. Saric, USEPA-V, HRE-8J
G. E. Mitchell, OEPA-Dayton
P. Pardi, OEPA-Dayton
J. S. Rogers, DOJ
J. Van Kley, Ohio AGO
H. F. Daugherty, WEMCO
L. S. Farmer, WEMCO
J. E. Harmon, WEMCO
E. D. Savage, WEMCO
R. L. Glenn, Parsons
A R Coordinator, WEMCO

# AFFECTED BY HWMUR
# SUMMARY CHART

| Plan No. | Mat. Type | Source Code | *Drum Count | Lot Count | Material Description | *RCRA | *Non RCRA | EPA Hazardous Waste # | *Disposal Restrictions | *Location | *Physical State |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 069 | 817 | 5865 | 110 | WET FILTER CAKE | | X | * | a | 1,8,9 | S/L |
| 273 | 123 | 827 | 1252 | 22 | CALCIUM URANATE | | X | * | h | 1,4,6,9 | S |
| 274 | 144 | 826 | 58 | 4 | ROASTED PROCESS RESIDUES | X | | D007 | f | 6 | S |
| 278 | 001 | 245 | 11 | 1 | ROASTED PROCESS RESIDUES | | X | * | a | 1 | S/L |
| 279 | 001 | 500 | 1 | 1 | ROASTED PROCESS RESIDUES | | X | * | a | 5 | L |
| 281A | 001 | 761 | 55 | 2 | ROASTED PROCESS RESIDUES | | X | * | a | 1,8 | S/L |
| 281B | 001 | 761 | 16 | 1 | ROASTED PROCESS RESIDUES | X | | D001 | a,f | 1,8 | S/L |
| 282 | 001 | 765 | 695 | 13 | ROASTED PROCESS RESIDUES | X | | F002, D039, D040, D043 | b,g | 1,8 | S |
| 283A | 001 | 767 | 20 | 1 | ROASTED PROCESS RESIDUES | | X | * | a | 1 | S/L |
| 283B | 001 | 767 | 1 | 1 | ROASTED PROCESS RESIDUES | X | | D001 | f | 1 | S/L |
| 284 | 001 | 800 | 15 | 1 | ROASTED PROCESS RESIDUES | | X | * | h | 1 | S |
| 285 | 001 | 817 | 71 | 3 | ROASTED PROCESS RESIDUES | | X | * | a | 1 | S/L |
| 286 | 002 | 761 | 155 | 4 | SUMP CAKE-CU CONTAMINATED | X | | D001 | a,f | 8 | S/L |
| 287 | 002 | 811 | 5 | 2 | SUMP CAKE-CU CONTAMINATED | X | | F001 | a | 1 | S |
| 288 | 002 | 815 | 233 | 4 | SUMP CAKE-CU CONTAMINATED | | X | * | h | 8 | S |
| 289 | 002 | 817 | 2757 | 48 | SUMP CAKE-CU CONTAMINATED | | X | * | a | 1,8 | S/L |
| 290 | 002 | 826 | 44 | 4 | SUMP CAKE-CU CONTAMINATED | | X | * | h | 1 | S |
| 291A | 003 | 100 | 1 | 1 | NON-RECOVERABLE TRASH | X | | F002, F005 | a,b | 1,RCRA | L |
| 291B | 003 | 100 | 1 | 1 | NON-RECOVERABLE TRASH | | X | * | h | 1 | S |
| 291C | 003 | 100 | 11 | 6 | NON-RECOVERABLE TRASH | | X | * | a | 1 | S/L |
| 291D | 003 | 100 | 35 | 9 | NON-RECOVERABLE TRASH | | X | * | a | 1 | S/L |
| 292 | 003 | 140 | 1 | 1 | NON-RECOVERABLE TRASH | | X | * | h | 1 | S |
| 293A | 003 | 201 | 1 | 1 | NON-RECOVERABLE TRASH | X | | D008 | f | 1 | S |
| 293B | 003 | 201 | 165 | 29 | NON-RECOVERABLE TRASH | | X | * | a | 1 | S/L |

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# AFFECTED BY HWMUR
# SUMMARY CHART

| Plan No. | Mat. Type | Source Code | *Drum Count | Lot Count | Material Description | *RCRA | *Non RCRA | EPA Hazardous Waste # | *Disposal Restrictions | *Location | *Physical State |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 294 | 003 | 510 | 179 | 53 | NON-RECOVERABLE TRASH | | X | * | h | 1 | S |
| 295A | 003 | 530 | 5 | 1 | NON-RECOVERABLE TRASH | X | | F002, D019 | a,b,g | 1 | S/L |
| 295B | 003 | 530 | 41 | 12 | NON-RECOVERABLE TRASH | | X | * | a | 1 | S/L |
| 297 | 003 | 711 | 0 | 0 | NON-RECOVERABLE TRASH | | | See Cover Letter | | | |
| 298 | 003 | 712 | 0 | 0 | NON-RECOVERABLE TRASH | | | See Cover Letter | | | |
| 299A | 003 | 732 | 3 | 2 | NON-RECOVERABLE TRASH | X | | F003, F005, D001 | a,b,f | 1, LAB | S/L |
| 299B | 003 | 732 | 4 | 1 | NON-RECOVERABLE TRASH | | X | * | h | 1, LAB | S |
| 300 | 003 | 815 | 1178 | 20 | NON-RECOVERABLE TRASH | | X | * | h | 1 | S |
| 301 | 003 | 826 | 28 | 1 | NON-RECOVERABLE TRASH | | X | * | h | 1 | S |
| 302 | 011 | 100 | 129 | 4 | CONT. SOIL, ROCKS, ETC. | X | | D008 | f | 1 | S |
| 305 | 011 | 730 | 147 | 7 | CONT. SOIL, ROCKS, ETC. | | X | * | h | 1, LAB | S |
| 306 | 011 | 732 | 69 | 43 | CONT. SOIL, ROCKS, ETC. | | X | * | a | 1, LAB | S/L |
| 307 | 012 | 137 | 3 | 1 | CONTAMINATED WATER | X | | F002, F003, F005, D001, D008, D019, D039, D040 | a,b,c,f,g | 1 | S/L |
| 308 | 012 | 140 | 1 | 1 | CONTAMINATED WATER | X | | F003, D001 | a,b,f | 1 | L |
| 309A | 013 | 765 | 1 | 1 | CONTAMINATED SOLVENT | X | | F003, D001, D007 | a,b,f | 1 | L |
| 309B | 013 | 765 | 1 | 1 | MISCELLANEOUS TRASH | | X | * | h | 1 | S |
| 314 | 017 | 530 | 263 | 35 | CONTAMINATED GRAPHITE | | X | * | h | 1 | S |
| 316 | 017 | 824 | 2 | 1 | CONTAMINATED GRAPHITE | X | | F001, F002 | b | 1 | S |
| 321 | 020 | 100 | 6 | 2 | CONTAM. MERCO-DRI/HILCO CAKE | | X | * | h | 1 | S |
| 322 | 021 | 132 | 29 | 2 | DRUM DECONTAM. RESIDUES | | X | * | a | 1 | S/L |
| 323 | 021 | 564 | 1 | 1 | WET $MgF_2$ | | X | * | h | 8 | S |
| 324 | 022 | 744 | 0 | 0 | CONTAM. TBP/KEROSENE | | | See Cover Letter | | | |
| 333 | 027 | 217 | 1 | 1 | CONTAM. BURNABLES | | X | * | h | 2 | S |
| 335 | 027 | 711 | 1 | 1 | CONTAM. BURNABLES | | X | * | h | PP | S |

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# AFFECTED BY HWMUR
# SUMMARY CHART

| Plan No. | *Mat. Type | Source Code | *Drum Count | Lot Count | Material Description | *RCRA | *Non RCRA | EPA Hazardous Waste # | *Disposal Restrictions | *Location | *Physical State |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 336A | 027 | 824 | 9 | 1 | CONTAM. BURNABLES | X | | F002, D007 | b,f | 1,8 | S |
| 336B | 027 | 824 | 2 | 1 | CONTAM. BURNABLES | | X | * | h | 1 | S |
| 339 | 028 | 500 | 2 | 2 | CONTAM. NON-BURNABLES | | X | * | h | 1 | S |
| 342 | 028 | 730 | 56 | 7 | CONTAM. NON-BURNABLES | | X | * | h | 1 | S |
| 343A | 028 | 742 | 4 | 1 | CONTAM. NON-BURNABLES | X | X | D001 | a,f | 1 | S/L |
| 343B | 028 | 742 | 81 | 2 | CONTAM. NON-BURNABLES | | X | * | h | 1 | S |
| 344 | 028 | 745 | 69 | 11 | CONTAM. NON-BURNABLES | | X | * | h | 1 | S |
| 345 | 028 | 767 | 10 | 2 | CONTAM. NON-BURNABLES | | X | * | h | 1 | S |
| 346 | 029 | 134 | 1 | 1 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 347 | 029 | 213 | 5 | 2 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 348 | 029 | 214 | 5 | 1 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 349 | 029 | 312 | 1 | 1 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 350 | 029 | 322 | 1 | 1 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 351 | 029 | 332 | 1 | 1 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 352 | 029 | 400 | 1 | 1 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 353 | 029 | 407 | 1 | 1 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 354 | 029 | 420 | 7 | 3 | DUST COLLECTOR BAGS | | X | * | h | 1,5 | S |
| 355 | 029 | 422 | 55 | 15 | DUST COLLECTOR BAGS | | X | * | h | 5 | S |
| 356 | 029 | 425 | 3 | 2 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 357 | 029 | 427 | 18 | 6 | DUST COLLECTOR BAGS | | X | * | h | 1,5 | S |
| 358 | 029 | 431 | 3 | 2 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 359 | 029 | 432 | 1 | 1 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 360 | 029 | 433 | 1 | 1 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 361 | 029 | 434 | 26 | 8 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |

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# AFFECTED BY HWMUR
# SUMMARY CHART

| Plan No. | Mat. Type | Source Code | *Drum Count | Lot Count | Material Description | *RCRA | *Non RCRA | EPA Hazardous Waste # | *Disposal Restrictions | *Location | *Physical State |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 362 | 029 | 730 | 1 | 1 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 363 | 029 | 732 | 1 | 1 | DUST COLLECTOR BAGS | X | | D007 | f | 1 | S |
| 364 | 029 | 920 | 2 | 1 | DUST COLLECTOR BAGS | | X | * | h | 1 | S |
| 365 | 029 | 925 | 13 | 2 | DUST COLLECTOR BAGS | | X | * | h | 1,9 | S |
| 366 | 029 | 965 | 1 | 1 | DUST COLLECTOR BAGS | X | | D008 | f | 1 | S |
| 367 | 030 | 730 | 2 | 2 | MAG OX/ZIRC FROM CLEANOUT | | X | * | h | 1 | S |
| 368 | 031 | 826 | 7 | 2 | ROASTED MgF2 W/ OTHER MATERIAL | X | | D004, D008 | f | 1 | S |
| 369 | 033 | 762 | 21 | 3 | INCINERATOR CINDERS | X | | F002 | a,b | 1 | S/L |
| 373 | 034 | 560 | 11 | 2 | MgF2 FOR MILLING OR DISCARD | | X | * | h | 1 | S |
| 374 | 034 | 564 | 429 | 17 | MgF2 FOR MILLING OR DISCARD | | X | * | h | 1,5,8 | S |
| 378 | 035 | 732 | 1 | 1 | MgF2, GOOD LINER MATERIAL | | X | * | h | 1 | S |
| 390 | 042 | 761 | 67 | 2 | NON-OILY SEMI-SOLIDS FOR ROASTING | X | | D001 | a,f | 1,8 | S/L |
| 392 | 042 | 800 | 31 | 5 | NON-OILY SEMI-SOLIDS FOR ROASTING | | X | * | a | 1,8 | S/L |
| 393 | 042 | 824 | 2 | 2 | NON-OILY SEMI-SOLIDS FOR ROASTING | X | | F001, F002, D008 | a,b,f | 1 | S/L |
| 395 | 043 | 765 | 1 | 1 | SOLVENT SEMI-SOLIDS | X | | D001, D007 | a,c,f | 1 | L |
| 401 | 044 | 730 | 3 | 1 | SALT SEMI-SOLIDS, CHLORIDE | X | | D005 | f | 1 | S |
| 404 | 046 | 510 | 23 | 4 | NON-OILY SEMI-SOLIDS FOR OXIDATION | | X | * | a | 1,5 | S/L |
| 405 | 049 | 764 | 29 | 2 | LEAD CONTAMINATED MATERIAL | | X | * | a | 1,5 | S/L |
| 406 | 053 | 100 | 8 | 2 | NON-BURNABLE METAL W/URANIUM | | X | * | h | 1 | S |
| 407 | 053 | 200 | 1 | 1 | NON-BURNABLE METAL W/URANIUM | | X | * | h | 1 | S |
| 417 | 061 | 731 | 1 | 1 | FURNACE SALT, NON-CHLORIDE | | X | * | h | 1 | S |
| 420 | 062 | 213 | 2 | 2 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1 | S |
| 421 | 062 | 214 | 7 | 3 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1 | S |
| 422 | 062 | 311 | 2 | 2 | DUST COLLECTOR RES.-HIGH F | | X | * | a | 1 | S/L |

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# AFFECTED BY HWMUR
# SUMMARY CHART

| Plan No. | Mat. Type | Source Code | *Drum Count | Lot Count | Material Description | *RCRA | *Non RCRA | EPA Hazardous Waste # | *Disposal Restrictions | *Location | *Physical State |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 423A | 062 | 313 | 5 | 5 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1 | S |
| 423B | 062 | 313 | 1 | 1 | DUST COLLECTOR RES.-HIGH F | X | | D004, D008 | a,f | 1 | S/L |
| 424 | 062 | 321 | 1 | 1 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1 | S |
| 425 | 062 | 322 | 6 | 2 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1 | S |
| 426 | 062 | 333 | 164 | 36 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1,8 | S |
| 427 | 062 | 346 | 16 | 13 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1 | S |
| 428 | 062 | 347 | 13 | 8 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1 | S |
| 429 | 062 | 420 | 2 | 2 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1 | S |
| 430 | 062 | 429 | 1 | 1 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1 | S |
| 431 | 062 | 431 | 3 | 2 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1,4 | S |
| 432 | 062 | 433 | 1 | 1 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1 | S |
| 433 | 062 | 519 | 1007 | 34 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1,5,8 | S |
| 434 | 062 | 520 | 1229 | 90 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1,5,8,9 | S |
| 435 | 062 | 523 | 133 | 63 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1,8 | S |
| 436A | 062 | 800 | 20 | 4 | DUST COLLECTOR RES.-HIGH F | | X | * | h | 1,8 | S |
| 436B | 062 | 800 | 1 | 1 | DUST COLLECTOR RES.-HIGH F | X | | D008 | f | 1,8 | S |
| 437 | 064 | 421 | 1 | 1 | DUST COLLECTOR RESIDUES | | X | * | h | 1 | S |
| 438 | 064 | 900 | 1 | 1 | DUST COLLECTOR RESIDUES | X | | D004, D008 | f | 1 | S |
| 446 | 065 | 420 | 1 | 1 | SCRAP SALTS-HIGH F | | X | * | h | 1 | S |
| 447 | 065 | 421 | 1 | 1 | SCRAP SALTS-HIGH F | | X | * | h | 1 | S |
| 448 | 065 | 422 | 5 | 2 | SCRAP SALTS-HIGH F | | X | * | h | 1 | S |
| 449 | 065 | 425 | 2 | 2 | SCRAP SALTS-HIGH F | | X | * | h | 1 | S |
| 450 | 065 | 429 | 14 | 8 | SCRAP SALTS-HIGH F | | X | * | h | 1,8 | S |
| 451 | 065 | 431 | 96 | 30 | SCRAP SALTS-HIGH F | | X | * | h | 1,5 | S |

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# AFFECTED BY HWMUR
# SUMMARY CHART

| Plan No. | Mat. Type | Source Code | *Drum Count | Lot Count | Material Description | *RCRA | *Non RCRA | EPA Hazardous Waste # | *Disposal Restrictions | *Location | *Physical State |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 452 | 065 | 433 | 1 | 1 | SCRAP SALTS-HIGH F | | X | * | h | 1 | S |
| 457 | 069 | 100 | 1 | 1 | WET CAKE, NON-OILY/HALIDE | X | | F002, F003, F005, D001 | a,b,f | 1 | S/L |
| 458 | 069 | 200 | 8 | 1 | WET CAKE, NON-OILY/HALIDE | | X | * | a | 1 | S/L |
| 459 | 069 | 826 | 1 | 1 | WET CAKE, NON-OILY/HALIDE | | X | * | a | 8 | S/L |
| 460 | 069 | 965 | 1189 | 62 | WET CAKE, NON-OILY/HALIDE | | X | * | a | 1,9 | S/L |
| 464 | 072 | 732 | 0 | 0 | URANYL NITRATE SOLUTION | | | See Cover Letter | | | * |
| 466 | 076 | 980 | 339 | 17 | ZIRNLO ENDS | | X | * | h | 1,9, PP | S |
| 474 | 080 | 331 | 1 | 1 | PART. OX. U W/METAL-X | | X | * | h | 1 | S |
| 475 | 080 | 334 | 1 | 1 | PART. OX. U W/METAL-X | | X | * | h | 1 | S |
| 482 | 082 | 423 | 1 | 1 | OFF SPEC UF4 | | X | * | h | 1 | S |
| 483 | 082 | 434 | 4 | 1 | OFF SPEC UF4 | | X | * | h | 1 | S |
| 487 | 082 | 822 | 4 | 2 | OFF SPEC UF4 | | X | * | h | 1,8 | S |
| 488 | 082 | 824 | 3 | 1 | OFF SPEC UF4 | | X | * | h | 1 | S |
| 489 | 082 | 827 | 2 | 1 | OFF SPEC UF4 | | X | * | h | 1 | S |
| 494 | 097 | 711 | 2 | 2 | RADIUM BEARING MATERIALS | | | See Cover Letter | | PP | * |
| 495 | 097 | 712 | 1 | 1 | RADIUM BEARING MATERIALS | | | See Cover Letter | | PP | * |
| 496 | 097 | 713 | 1 | 1 | RADIUM BEARING MATERIALS | | | See Cover Letter | | PP | * |
| 498 | 098 | 100 | 4 | 1 | HISTORICAL SAMPLES | | X | * | h | 1 | S |
| 499 | 098 | 141 | 3 | 3 | HISTORICAL SAMPLES | | X | * | h | 1 | S |
| 502 | 098 | 822 | 1 | 1 | HISTORICAL SAMPLES | | X | * | h | 1 | S |
| 511 | 100 | 731 | 1 | 1 | SCRAP U3O8, LOW F | | X | * | h | 1 | S |
| 512 | 100 | 732 | 5 | 5 | SCRAP U3O8, LOW F | X | | F002 | b | 1,THOR | S |
| 513 | 100 | 822 | 1 | 1 | SCRAP U3O8, LOW F | | X | * | h | 8 | S |
| 514 | 100 | 825 | 38 | 1 | SCRAP U3O8, LOW F | X | | F001 | b | 1 | S |

See KEY to entries on final page

# AFFECTED BY HWMUR
# SUMMARY CHART



| Plan No. | Mat. Type | Source Code | *Drum Count | Lot Count | Material Description | *RCRA | *Non RCRA | EPA Hazardous Waste # | *Disposal Restrictions | *Location | *Physical State |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 521 | 101 | 420 | 1 | 1 | SCRAP U3O8, HIGH F | | X | * | h | 5 | S |
| 523 | 101 | 534 | 545 | 49 | SCRAP U3O8, HIGH F | X | | D004 | f | 1,4,5 | S |
| 525 | 101 | 732 | 1 | 1 | SCRAP U3O8, HIGH F | | X | * | h | 1 | S |
| 526 | 101 | 822 | 42 | 1 | SCRAP U3O8, HIGH F | X | | F002 | b | 1 | S |
| 531 | 101 | 924 | 77 | 23 | SCRAP U3O8, HIGH F | | X | * | h | 1,4,5,9, PP | S |
| 532 | 101 | 925 | 125 | 32 | SCRAP U3O8, HIGH F | | X | * | h | 1,4,5, PP | S |
| 533 | 101 | 926 | 4 | 1 | SCRAP U3O8, HIGH F | | X | * | h | 1 | S |
| 534 | 101 | 927 | 90 | 24 | SCRAP U3O8, HIGH F | | X | * | h | 1,4,5, PP | S |
| 535 | 102 | 100 | 1 | 1 | SCRAP UO2 | | X | * | h | 1 | S |
| 540 | 102 | 427 | 3 | 3 | SCRAP UO2 | | X | * | h | 1 | S |
| 541 | 102 | 732 | 6 | 3 | SCRAP UO2 | | X | * | h | 1 | S |
| 553 | 104 | 732 | 1 | 1 | METAL SPILLS AND EXT'N ENDS | | X | * | h | 1 | S |
| 559 | 107 | 980 | 1 | 1 | CHIPS/TURNINGS FOR OXIDATION | | X | * | a | 8 | S/L |
| 563 | 110 | 732 | 28 | 9 | NON-BRIQ. CHIPS/TURNINGS | | X | * | a | 1,5 | S/L |
| 574 | 122 | 824 | 42 | 5 | U3O8 + 8 MESH, LOW F | | | See Cover Letter | | 1,8 | * |
| 576 | 124 | 980 | 9 | 4 | ZIRNLO: PART. DECLAD FUEL ELEMENTS | | X | * | h | 1,5 | S |
| 577 | 128 | 333 | 1 | 1 | CLAD U METAL | | X | * | h | 1 | S |
| 590 | 129 | 560 | 15 | 2 | CODE 5 DERBIES | | X | * | h | 1 | S |
| 591 | 129 | 563 | 7 | 1 | CODE 5 DERBIES | | X | * | h | 1 | S |
| 592 | 129 | 565 | 241 | 23 | CODE 5 DERBIES | | X | * | h | 1,5 | S |
| 593 | 129 | 731 | 14 | 2 | U METAL SCRAP SAMPLES | | X | * | h | 1 | S |
| 599 | 131 | 826 | 7 | 1 | PART. OX U FOR DISSOLVER | | X | * | h | 1 | S |
| 600 | 132 | 210 | 2 | 1 | DUST COLLECTOR RES.-LOW F | | X | * | h | 1 | S |
| 601 | 132 | 213 | 2 | 2 | DUST COLLECTOR RES.-LOW F | | X | * | h | 1,8 | S |

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# AFFECTED BY HWMUR
# SUMMARY CHART

| Plan No. | Mat. Type | Source Code | *Drum Count | Lot Count | Material Description | *RCRA | *Non RCRA | EPA Hazardous Waste # | *Disposal Restrictions | *Location | *Physical State |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 602 | 132 | 260 | 1 | 1 | DUST COLLECTOR RES.-LOW F | | X | * | h | 1 | S |
| 603 | 132 | 535 | 146 | 32 | DUST COLLECTOR RES.-LOW F | | X | * | h | 1,5,8 | S |
| 604 | 132 | 536 | 68 | 10 | DUST COLLECTOR RES.-LOW F | | X | * | h | 1,5,8 | S |
| 605 | 132 | 917 | 1 | 1 | DUST COLLECTOR RES.-LOW F | | X | * | h | 1 | S |
| 612 | 135 | 533 | 72 | 31 | DUST COLL. RES,HIGH F, >10% U | | X | * | h | 1,5 | S |
| 613 | 136 | 536 | 1 | 1 | METAL TO BE OXIDIZED | | X | * | h | 1 | S |
| 614A | 137 | 732 | 1 | 1 | MISC. MATERIAL FOR RECOVERY | | X | * | a | 1 | S/L |
| 614B | 137 | 732 | 2 | 1 | MISC. MATERIAL FOR RECOVERY | | X | * | h | 1 | S |
| 631 | 143 | 811 | 164 | 5 | ROASTED,Ca-PPT. FILTER CAKE | X | | F001 | b | 1,8 | S |
| 632 | 143 | 825 | 20 | 1 | ROASTED,Ca-PPT. FILTER CAKE | X | | F001 | b | 1 | S |
| 633 | 27 | 117 | 1 | 1 | CONTAMINATED BURNABLES | | X | * | h | 1 | S |

Total Drums: 20668
Total "RCRA" Drums: 2010
Total "RCRA" Streams: 35

See KEY to entries on final page

# SUMMARY CHART

3055

**Key:**

| | |
|---|---|
| "PLAN NO." | Some plans divided into (s)olids, (l)iquids, and (w)ater |
| "DRUM COUNT" | Drum counts reflect current FEMP inventory |
| "RCRA" | Hazardous waste as regulated under RCRA Subtitle C |
| "NON-RCRA" | Not regulated under RCRA Subtitle C |
| "LDR STATUS" | See "Key To Land Disposal Restrictions" below |
| "LOCATION" | 1, 2, 3, etc. = Plant Number; PP = Pilot Plant; LAB = Laboratory; RCRA = Approved RCRA Warehouses; THOR = Thorium storage |
| "PHYSICAL STATE" | S = Solid; L = (Free) Liquid; S/L = Solid & free liquid phases |
| "SOURCE" | Source of radiological data<br>(a) Analytical Data<br>(m) Materials Control & Accountability |
| "SPECIFIC ACTIVITY" | Calculated per 10 CFR Appendix B<br>• SA = 3.6 EE-7 curies/gram U for U depleted.<br>• SA = (0.4 + 0.38 N + 0.0034 N) EE-6 for N > 0.72.<br>where SA = Specific Activity and N = % weight U235 |

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## KEY TO "DISPOSAL RESTRICTIONS" CODES

General Comments:

- All material designated as "RCRA" is classified as Radioactive Mixed Waste. Under the Land Disposal Restrictions (LDR) Program, radioactive mixed wastes which are solely "Third Third" wastes have been granted a two year national capacity variance which expires on May 8, 1992.

Codes:

(a) Any material containing free liquids is prohibited from disposal in a landfill irrespective of it's status as a RCRA Hazardous Waste.

(b) LDR Solvent Ban; effective November 8, 1986.

(c) LDR California List; effective July 8, 1987.

(d) LDR First Third wastes; effective August 8, 1988.

(e) LDR Second Third wastes; effective August 8, 1989.

(f) LDR Third Third wastes; effective May 8, 1990.

(g) LDR TC Organics D019 – D043; No LDRs apply. No treatment standards set.

(h) Not restricted from land disposal.