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R-020-101.8/10

**WASTE RECOMMENDATION FOR PYROPHORIC MATERIALS**

01/28/97

D04-416-97

DOE-FEMP

ONWM-DP-22-GTN

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MEMO

# memorandum

DATE: JAN 28 1997  
DOE-0416-97

REPLY TO:  
ATTN OF: FEMP:Gareis

SUBJECT: WASTE RECOMMENDATION FOR PYROPHORIC MATERIALS

TO: Bill Newton, Office of Nuclear Weapons Management, DP-22, GTN

As a follow up to our recent discussions and cc:mails, this memorandum formally documents the waste declaration action taken with your concurrence on a small portion of uranium pyrophoric materials. Five lots of pyrophoric uranium materials as noted on the attached list were above the economic discard limit. However, these materials were recommended for stabilization and disposal. Based on several factors, both Defense Programs and Environmental Management concurred with this recommendation. The factors that justified the decision and that were identified in our correspondence are recapped below:

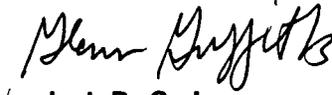
1. The improbability that the materials could be sold since the materials were not bid on in previous sales attempts and no additional interest was expressed as a result of follow up sales considerations;
2. The difficulty of shipping material because of its pyrophoric nature, in combination with some of the lots being above 1% U235 requiring more stringent shipment measures;
3. The low uranium assay and insignificant amount of material (Materials are listed as Nuclear Material Safeguards Category Attractiveness Level E, as are all of the Fernald Environmental Management Project (FEMP) uranium product materials);
4. The timely availability of a waste stabilization campaign to process pyrophoric materials for disposal.

After consideration of these factors and receiving your concurrence via cc:mail, the materials have been declared waste and taken off the material control and accountability books. The FEMP will proceed with plans for stabilization and appropriate disposition of the materials under the stabilization program funded by the Office of the Environmental Management.

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Thank you for your cooperation and rapid response to our request. If you have further questions regarding this matter, please contact Mary Beth Gareis of my staff at (513) 648-3181.

  
for Jack R. Craig  
Director

Attachment: As Stated

cc w/att:

- D. Govans, EM-42/GTN
- N. Hallein, EM-42/GTN
- R. Nace, EM-42/GTN
- B. Grandfield, DOE-OH
- M. Jordan, DOE-OH
- R. Janke, DOE-FEMP
- J. Sattler, DOE-FEMP
- D. Dilday, FDF/16-2
- B. Heck, FDF/52-5
- S. Kaushiva, FDF/28
- R. Shackelford, FDF/31  
AR Coordinator/78
- EDC, FDF/52-7

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| LOTID               | CONTNUM | CONTTYP | INVNO   | GROSSWT | TAREWT | NETWT | LOC  | AREA DESCRIPTION | MBA | ABOVEDL | STATUS |
|---------------------|---------|---------|---------|---------|--------|-------|------|------------------|-----|---------|--------|
| S086 732 0 110 0344 | 000001  | 055     | W076691 | 107.0   | 56.0   | 51.0  | 0077 | WEST             | 660 | Y       | ACTIVE |
| Total for Class:    |         |         |         | 1       | 107.0  | 56.0  |      |                  |     |         |        |
| H067 732 H 110 0336 | 00001A  | 055     | W076693 | 204.0   | 62.0   | 142.0 | 0077 | WEST             | 660 | Y       | ACTIVE |
| H069 920 H 110 0337 | 000001  | 055     | W093268 | 115.0   | 80.0   | 35.0  | 0077 | WEST             | 660 | Y       | ACTIVE |
| Total for Class:    |         |         |         | 2       | 319.0  | 142.0 |      |                  |     |         |        |
| H068 732 M 110 0343 | 000001  | 055     | W062497 | 79.0    | 60.0   | 19.0  | 0077 | WEST             | 660 | Y       | ACTIVE |
| H068 732 M 110 0344 | 000001  | 055     | W125812 | 109.0   | 59.0   | 50.0  | 0077 | WEST             | 660 | Y       | ACTIVE |
| Total for Class:    |         |         |         | 2       | 188.0  | 119.0 |      |                  |     |         |        |
| Total for Material: |         |         |         | 5       | 614.0  | 317.0 |      |                  |     |         |        |
| Total for Area:     |         |         |         | 5       | 614.0  | 317.0 |      |                  |     |         |        |
| Total:              |         |         |         | 5       | 614.0  | 317.0 |      |                  |     |         |        |

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