

U.S. NUCLEAR REGULATORY COMMISSION
NOTICE OF AMENDMENT TO
CERTIFICATE OF COMPLIANCE GDP-1 FOR
THE U.S. ENRICHMENT CORPORATION
PADUCAH GASEOUS DIFFUSION PLANT
PADUCAH, KENTUCKY
DOCKET 70-7001

The Director, Office of Nuclear Material Safety and Safeguards, has made a determination that the following amendment request is not significant in accordance with 10 CFR 76.45. In making that determination the staff concluded that: (1) there is no change in the types or significant increase in the amounts of any effluents that may be released offsite; (2) there is no significant increase in individual or cumulative occupational radiation exposure; (3) there is no significant construction impact; (4) there is no significant increase in the potential for, or radiological or chemical consequences from, previously analyzed accidents; (5) the proposed changes do not result in the possibility of a new or different kind of accident; (6) there is no significant reduction in any margin of safety; and (7) the proposed changes will not result in an overall decrease in the effectiveness of the plant's safety, safeguards or security programs. The basis for this determination for the amendment request is shown below.

The NRC staff has reviewed the certificate amendment application and concluded that it provides reasonable assurance of adequate safety, safeguards, and security, and compliance with NRC requirements. Therefore, the Director, Office of Nuclear Material Safety and Safeguards, is prepared to issue an amendment to the Certificate of Compliance for the Paducah Gaseous Diffusion Plant. The staff has prepared a Compliance Evaluation

Report which provides details of the staff's evaluation.

The NRC staff has determined that this amendment satisfies the criteria for a categorical exclusion in accordance with 10 CFR 51.22. Therefore, pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared for this amendment.

USEC or any person whose interest may be affected may file a petition, not exceeding 30 pages, requesting review of the Director's Decision. The petition must be filed with the Commission not later than 15 days after publication of this Federal Register Notice. A petition for review of the Director's Decision shall set forth with particularity the interest of the petitioner and how that interest may be affected by the results of the Decision. The petition should specifically explain the reasons why review of the Decision should be permitted with particular reference to the following factors: (1) the interest of the petitioner; (2) how that interest may be affected by the Decision, including the reasons why the petitioner should be permitted a review of the Decision; and (3) the petitioner's areas of concern about the activity that is the subject matter of the Decision. Any person described in this paragraph (USEC or any person who filed a petition) may file a response to any petition for review, not to exceed 30 pages, within 10 days after filing of the petition. If no petition is received within the designated 15-day period, the Director will issue the final amendment to the Certificate of Compliance without further delay. If a petition for review is received, the Decision on the amendment application will become final in 60 days, unless the Commission grants the petition for review or otherwise acts within 60 days after publication of this Federal Register Notice.

A petition for review must be filed with the Secretary, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, Attention: Rulemakings and Adjudications Staff, or may be delivered to the Commission's Public Document Room, the Gelman Building, 2120 L Street, NW, Washington, DC, by the above date.

For further details with respect to the action see: (1) the application for amendment and (2) the Commission's Compliance Evaluation Report. These items are available for public inspection at the Commission's Public Document Room, the Gelman Building, 2120 L Street, NW, Washington, DC, and at the Local Public Document Room.

Date of amendment request: March 4, 1997

Brief description of amendment: The proposed amendment will revise the Compliance Plan and the Fundamental Nuclear Materials Control (FNMC) Plan so that they are consistent in the area of dimensional measurement calculations to determine system volumes.

Basis for finding of no significance:

1. The proposed amendment will not result in a change in the types or significant increase in the amounts of any effluents that may be released offsite.

There are no effluent releases associated with this change, the proposed changes will not affect the effluent.

2. The proposed amendment will not result in a significant increase in individual or cumulative occupational radiation exposure.

The proposed changes do not relate to controls used to minimize occupational radiation exposures, therefore, the changes will not increase exposure.

3. The proposed amendment will not result in a significant construction impact.

The proposed changes will not result in any construction, therefore, there will be no construction impacts.

4. The proposed amendment will not result in a significant increase in the potential for, or radiological or chemical consequences from, previously analyzed accidents.

The proposed changes do not involve a change to any previously analyzed accident. Therefore, the changes will not result in significant increase in the potential for, or radiological or chemical consequences from previously evaluated accidents.

5. The proposed amendment will not result in the possibility of a new or different kind of accident.

The proposed changes would not create new operating conditions or a new plant configuration that could lead to a new or different type of accident.

6. The proposed amendment will not result in a significant reduction in any margin of safety.

The use of dimensional measurement calculations to determine system volumes is the manner in which the plant has historically determined system volumes. There is no reduction in any margin of safety.

7. The proposed amendment will not result in an overall decrease in the effectiveness of the plant's safety, safeguards or security programs.

Implementation of the proposed changes will not change the safety or security programs. The proposed change to the FNMC Plan and the Compliance Plan will not decrease the effectiveness of the FNMC Plan. Use of dimensional measurement calculations to determine system volumes reflects current and approved practices. The FNMC Plan and the Compliance Plan item are being revised so that the documents will be consistent. The effectiveness of the safety, safeguards, and security programs is not decreased.

Effective date: This amendment will become effective upon signature of the Director, NMSS.

Certificate of Compliance No. GDP-1: Amendment will revise the FNMC Plan and the Compliance Plan to be consistent in the discussion of dimensional measurement calculations used to determine system volumes.

Local Public Document Room location: Paducah Public Library, 555 Washington
Street, Paducah, Kentucky 42003.

Dated at Rockville, Maryland, this 12th day of JUNE 1997.

FOR THE NUCLEAR REGULATORY COMMISSION

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Carl J. Paperiello, Director
Office of Nuclear Material Safety
and Safeguards

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Dated at Rockville, Maryland, this day of 1997.

FOR THE NUCLEAR REGULATORY COMMISSION

Carl J. Paperiello, Director
Office of Nuclear Material Safety
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