

DOCKET: 70-7001

CERTIFICATE HOLDER: Paducah Gaseous Diffusion Plant  
Paducah, Kentucky

SUBJECT: COMPLIANCE EVALUATION REPORT: SUBMITTAL DATED  
APRIL 11, 2003, RE-CERTIFICATION OF THE PADUCAH  
GASEOUS DIFFUSION PLANT (TAC NO. L52551)

### BACKGROUND

By cover letter dated April 11, 2003, the U.S. Enrichment Corporation (USEC) requested re-certification of the Paducah Gaseous Diffusion Plant (PGDP). This request includes an update to a paragraph in Section 1.2 of the previous Compliance Evaluation Report (CER) regarding certain exemptions in nuclear material reporting requirements.

### DISCUSSION

Since 1997, NRC has granted USEC's two gaseous diffusion plants an exemption from the reporting requirements in 10 CFR 74.13(a)(1) because of the quasi-comparability of Department of Energy (DOE) nuclear material reporting requirements and the unavailability of certain reporting features in the NRC guidance document, NUREG/BR-0007, "Instructions for the Preparation and Distribution of Material Status Reports." Currently, USEC's gaseous diffusion facilities report nuclear material transactions on DOE/NRC Form 741 for inclusion in the Nuclear Materials Management and Safeguards System (NMMSS). Using the information provided in USEC's Form 741 submittals, NMMSS periodically generates the Material Balance Reports by Facility (M-742) which are prepared in the basic format of the material balance report DOE/NRC Form 742. Consequently, under the current exemption, USEC does not prepare and submit DOE/NRC Form 742, but reconciles its facility records with NMMSS-generated M-742 reports on a semi-annual basis.

The guidance document NUREG/BR-0007, "Instructions for the Preparation and Distribution of Material Status Reports - DOE/NRC Forms 742 and 742C," was revised in April 2003 (Revision 4). In addition, Title 10 CFR Part 74.13 was revised and became effective in March 2003. The staff has found that the revised regulation and guidance document are suitable for reporting needs for USEC's gaseous diffusion uranium enrichment facilities. Therefore, the current exemption regarding material reporting requirements for the USEC's Paducah facility is no longer needed. Staff recommends a revised text for the applicable paragraph three of CER section 1.2 as follows:

*The certificate holder shall follow the requirements of 10 CFR 74.13 and the guidelines contained in NUREG/BR-0007, "Instructions for the Preparation and Distribution of Material Status Reports," with respect to certain nuclear material reporting requirements.*

CONCLUSION

The staff has determined that there is no need for continuing the current exemption with regard to nuclear material reporting for PGDP, and the facility should follow the regulatory requirements of 10 CFR 74.13 and conform to the guidance document NUREG/BR-0007.