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United States  
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70-7001  
70-7002

December 23, 1994

Mr. John W. Hickey  
Branch Chief  
Nuclear Regulatory Commission  
T8A33  
Washington, D. C. 20555

Dear Mr. Hickey:

**United States Enrichment Corporation (USEC) Certification Application Contents**

Pursuant to the Energy Policy Act of 1992 (the Act) and the recently issued 10 CFR 76, the USEC is preparing for submittal, on or before April 24, 1995, two applications for certificates of compliance for the Portsmouth and Paducah gaseous diffusion plants (GDP). Part 76 specifies the contents of the initial applications in sections 76.33, 76.35 and 76.87. The enclosed list of documents and tables of content detail USEC's current plans for the format of the applications (Enclosure 1).

The contents of the application have been divided into five major parts:

- Technical Safety Requirements
- Safety Analysis Report
- Plans and Programs
- Department of Energy (DOE) Approved Compliance Plan
- Other Information

These divisions are based, in part, on the mechanisms that will be used to control changes to each document following Nuclear Regulatory Commission (NRC) certification.

The first section, the Technical Safety Requirements, become binding conditions and may not be changed by USEC without prior NRC review and approval.

The second section contains the Safety Analysis Report (SAR). USEC may make changes in the plants or to the plants' operations, as described in the SAR, without prior NRC approval, provided the requirements of 10 CFR 76.68 are fulfilled. Changes to the plants, as described in the

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The second section contains the Safety Analysis Report (SAR). USEC may make changes in the plants or to the plants' operations, as described in the SAR, without prior NRC approval, provided the requirements of 10 CFR 76.68 are fulfilled. Changes to the plants, as described in the SAR that are authorized by section 76.68 would be included in the next revision to the SAR and provided as part of USEC's annual application for renewal of its certificates in accordance with 10 CFR § 76.36(c)(2)(iii).

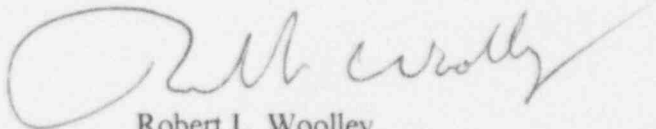
As discussed with the NRC at various open meetings, USEC intends to control changes to the third section, the Plans and Programs, utilizing a control mechanism in common usage throughout the licensed nuclear industry. Specifically, changes to plans and programs do not require an unreviewed safety question analysis, and USEC plans to make changes to its submitted plans and programs provided the changes do not decrease the effectiveness of the particular plan. Specific language defining the change criteria will be incorporated into the individual plans and programs.

Fourth, we plan to submit a copy of the DOE approved Compliance Plan pursuant to 10 CFR § 76.35(b). This plan will detail those activities in progress or planned to bring the GDPs fully into compliance with the commitments and descriptions contained in the balance of the application. Those commitments and descriptions, when fully implemented, will be sufficient to provide full compliance with applicable NRC requirements. Finally, there are several informational documents (described as Other Information in the enclosure), which USEC plans to modify as necessary and submit as part of its annual renewal applications.

This information has been discussed in various meetings between USEC and the NRC, and is provided here to confirm our current understanding. Because the schedule imposed by 10 CFR § 76.31 to prepare and submit the applications is extremely aggressive, we request you provide any comments you have on the enclosed information to me or John Dietrich (301-571-8274) at your earliest possible convenience.

Please contact us if you have any questions concerning this information.

Sincerely,



Robert L. Woolley  
Nuclear Regulatory Assurance and Policy Manager

Enclosures

## **APPLICATION FOR CERTIFICATES OF COMPLIANCE**

### **TECHNICAL SAFETY REQUIREMENTS**

- SECTION 1:           USE AND APPLICATION
- 1.1   INTRODUCTION
  - 1.2   DEFINITION OF TERMS
  - 1.3   OPERATING MODES
  - 1.4   TIME INTERVALS FOR SURVEILLANCES
  - 1.5   LIST OF ACRONYMS
  - 1.6   INTENT OF TERMS
- SECTION 2.0        SAFETY LIMITS, LIMITING CONTROL SETTINGS, LIMITING  
                      CONDITIONS OF OPERATIONS, DESIGN FEATURES FOR  
                      SAFETY, SURVEILLANCE REQUIREMENTS AND BASIS
- SECTION 3.0        ADMINISTRATIVE CONTROLS

### **SAR TABLE OF CONTENTS**

- 1.0   INTRODUCTION AND GENERAL DESCRIPTION OF THE FACILITY
  - 1.1   INTRODUCTION
  - 1.2   SITE LOCATION AND DESCRIPTION
  - 1.3   FACILITIES LEASED BY USEC
  - 1.4   PURPOSE OF OPERATION AND OPERATING PARAMETERS
  - 1.5   POSSESSION LIMITS

- 1.6 AUTHORIZED USES
- 2.0 SITE CHARACTERISTICS
  - 2.1 GEOGRAPHY AND DEMOGRAPHY OF SITE
  - 2.2 NEARBY INDUSTRIAL, TRANSPORTATION, AND MILITARY ACTIVITIES
  - 2.3 METEOROLOGY
  - 2.4 HYDROLOGY
  - 2.5 GEOLOGY AND SEISMOLOGY
- 3.0 FACILITY AND PROCESS DESCRIPTION
  - 3.1 URANIUM ENRICHMENT CASCADE
  - 3.2 UF<sub>6</sub> FEED, WITHDRAWAL, SAMPLING, HANDLING, AND CYLINDER STORAGE FACILITIES AND SYSTEMS
  - 3.3 URANIUM RECOVERY AND CHEMICAL SYSTEMS
  - 3.4 POWER SUPPORT FACILITIES AND SYSTEMS
  - 3.5 POWER AND UTILITY SYSTEMS
  - 3.6 FIRE PROTECTION AND SYSTEMS AND FACILITIES
- 4.0 ACCIDENT ANALYSIS
  - 4.1 CASCADE SYSTEMS ACCIDENT ANALYSIS
  - 4.2 UF<sub>6</sub> FEED, WITHDRAWAL, SAMPLING, HANDLING, AND CYLINDER STORAGE FACILITIES AND SYSTEMS ACCIDENT ANALYSIS
  - 4.3 URANIUM RECOVERY AND CHEMICAL SYSTEMS ACCIDENT ANALYSIS
  - 4.4 POWER SUPPORT FACILITIES AND SYSTEMS ACCIDENT ANALYSIS
  - 4.5 POWER AND UTILITY SYSTEMS ACCIDENT ANALYSIS
- 5.0 NUCLEAR SAFETY PROGRAMS
  - 5.1 ENVIRONMENTAL PROTECTION -RADIOLOGICAL

- 5.2 NUCLEAR CRITICALITY SAFETY
- 5.3 RADIATION PROTECTION
- 5.4 FIRE PROTECTION
- 5.5 TRANSPORTATION SAFETY PROGRAM
- 5.6 RADIOGRAPHY
- 6.0 ORGANIZATION AND OPERATING PROGRAMS
  - 6.1 ORGANIZATIONAL RESPONSIBILITY AND AUTHORITY, EDUCATION AND EXPERIENCE REQUIREMENTS
  - 6.2 SAFETY REVIEW COMMITTEE
  - 6.3 APPROVAL AUTHORITY FOR PERSONNEL SELECTION
  - 6.4 TRAINING
  - 6.5 OPERATING PROCEDURES
  - 6.6 INTERNAL AUDITS AND INSPECTIONS
  - 6.7 EVENT INVESTIGATIONS AND REPORTING
  - 6.8 RECORDS
  - 6.9 CHANGES IN FACILITIES AND EQUIPMENT

### **PROGRAMS AND PLANS**

FUNDAMENTAL NUCLEAR MATERIAL CONTROL PLAN [76.35 (h)]

PHYSICAL SECURITY PLANS [76.35 (i), (j), and (k)]

EMERGENCY PREPAREDNESS PLAN [76.35 (f)]

QUALITY ASSURANCE PROGRAM [76.35 (d)]

RADIOACTIVE WASTE MANAGEMENT PROGRAM [76.35 (m)]

DEPLETED URANIUM MANAGEMENT PLAN [76.35 (m)]

**COMPLIANCE PLAN**

CHAPTER AND SECTION NUMBER

COMMITMENT:

DESCRIPTION OF THE ITEM OF NONCOMPLIANCE:

JUSTIFICATION FOR CONTINUED OPERATIONS:

PLAN OF ACTIONS AND SCHEDULE:

**OTHER INFORMATION**

SUPPLEMENTAL ENVIRONMENTAL INFORMATION [76.35 (C)]

FUNDING PLAN [76.35 (n)]

ENVIRONMENTAL COMPLIANCE STATUS REPORT [76.35 (g)]