

## EXECUTIVE SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) certified the United States Enrichment Corporation (USEC) to operate the two gaseous diffusion plants that are located in Piketon, Ohio, and Paducah, Kentucky. To continue operating the plants, USEC must apply to the NRC periodically to renew the certificate for each plant. This process is commonly referred to as recertification.

This document provides guidance to the NRC staff on how to review an application for recertification. The document is organized around the subject areas that USEC must cover in its application. The subject areas the NRC reviews include:

- General information about USEC and the plant site.
- USEC's organization and administration.
- USEC's quality assurance plan.
- Information about the facility and the processes.
- The hazards and potential for accidents.
- The specific safety requirements that protect against the hazards or potential accidents.
- USEC's provisions to:
  - Protect its employees from exposure to radiation;
  - Protect against a nuclear criticality;
  - Protect the public and environment from radioactive material;
  - Manage radioactive waste;
  - Provide for chemical safety;
  - Provide for protection against fires; and
  - Protect the workers, public, and environment during emergencies.
- USEC's plans to:
  - Protect against the theft or loss of radioactive material;
  - Physically protect the radioactive material, including during transportation; and
  - Protect information that is classified in the interest of national security.
- USEC's provisions to ensure enough money is available to decommission the plant.
- Any areas where USEC is out of compliance with NRC requirements, including:
  - The reason USEC is out of compliance;
  - The plan for USEC to come into compliance; and
  - The schedule for USEC to come into compliance.
- A demonstration that USEC is not owned or controlled by foreign interests.
- A demonstration that recertification would not harm the common defense or security.

In each of the subject areas, the document describes:

- Who should perform what role in the review;
- The purpose of the review;
- Instructions for the review;
- The specific material a reviewer would expect to see in the application for recertification;
- The applicable regulations and guidance;
- The basis for determining if the material is acceptable; and
- An example of how to summarize the review and findings.

The NRC staff will use this document as the basis for conducting recertification reviews.