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**AREVA**



# ***Presentation to the U.S. Nuclear Regulatory Commission***

**AREVA U.S. Enrichment Facility  
Overview of Approach to Preparing the  
Environmental Report**

**November 9, 2007**

## *Environmental Report (ER) Regulatory and Other Guidance*

- ▶ **National Environmental Policy Act (NEPA) of 1969**
- ▶ **10 CFR Part 51**
- ▶ **10 CFR Part 70**
- ▶ **NUREG-1748**
- ▶ **NUREG-1520**
- ▶ **Meetings with NRC Staff**
- ▶ **ER for Similar Facilities from Public Domain**
- ▶ **NRC FEIS for Similar Facilities (NUREG-1790)**
- ▶ **NRC RAIs for ERs of Similar Facilities**

## ***AREVA Enrichment Facility***

- ▶ **Very similar to another NRC licensed project under construction**
- ▶ **Initial facility is a 3.0 MSWU/year plant**
- ▶ **Site selection process is nearing completion**
- ▶ **Transitioning from a license application planning phase to the license application development phase**

## *ER Planning Phase*

- ▶ **AREVA has concluded there is a definite need for additional U.S. enrichment capacity**
- ▶ **Site selection process is tailored to identify a site with favorable environmental characteristics**
- ▶ **Assembling experienced team to prepare ER**
- ▶ **Meetings have been held with some key state environmental agencies throughout the site selection process**
- ▶ **Detailed scheduling and resource loading to support submittal schedule once site is announced**

## *Site Characterization Data*

- ▶ **Availability of existing data factored into site selection process**
- ▶ **Plan to supplement available data as needed**
- ▶ **Collect new data as required**
- ▶ **Pre-planning data collection as soon as site is selected**
- ▶ **Planning for rapid access to site once announced**
- ▶ **Supplement seasonal data after submittal as required**

## *Environmental Impacts*

- ▶ **Gaseous and liquid effluents and associated environmental impacts should be comparable to those previously evaluated by NRC in NUREG-1790**
- ▶ **Radiological impacts should also be comparable to those evaluated in NUREG-1790**
- ▶ **Other environmental impacts (land use, historical and cultural resources, visual and scenic resources, air quality, geology and soils, water resources, ecological resources, socioeconomics, environmental justice, noise, transportation, public and occupational health and safety, and waste management) should also be comparable to those evaluated in NUREG-1790**

## *Summary of ER Approach*

### ▶ **AREVA:**

- ◆ **Understands regulatory requirements and applicable guidance**
- ◆ **Will use an ER team with experience on enrichment facility ERs**
- ◆ **Tailored site selection process to identify a site with favorable environmental characteristics**
- ◆ **Has developed detailed resource loaded schedule to support timely ER submittal**
- ◆ **Using same centrifuge technology as recently licensed by NRC**

▶ **Therefore, the environmental impacts for AREVA enrichment facility should be comparable to those evaluated by NRC in NUREG-1790**