



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402-2801

April 6, 2006

10 CFR 51.41  
10 CFR 50.55

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of	)	Docket Nos.	50-438
Tennessee Valley Authority	)		50-439

**BELLEFONTE NUCLEAR PLANT (BLN) UNITS 1 AND 2 - WITHDRAWAL OF CONSTRUCTION PERMITS CPPR-122 (UNIT 1) AND CPPR-123 (UNIT 2) - REQUEST FOR APPROVAL**

This letter requests NRC approval to withdraw BLN construction permits in accordance with Generic Letter 87-15, "Policy Statement on Deferred Plants." On December 12, 2005, TVA notified NRC by letter that Bellefonte Units 1 and 2 were in terminated status. In addition, TVA committed to provide the subject letter requesting approval to withdraw Construction Permits CPPR-122 and CPPR-123 for BLN Units 1 and 2, respectively, and provide a site redress plan.

TVA's Board of Directors has approved the cancellation of construction of the deferred Bellefonte units. There is no nuclear fuel located at the site and TVA has removed safeguards information.

Representatives of TVA Nuclear and NRC have recently discussed and agreed that project completion activities, including lay-up, ceased after October 1, 2005, and no quality-related activities are on-going at the site. In addition, TVA and NRC have acknowledged that certain approvals; primarily the redress plan pursuant to 10 CFR 51.41, are necessary to allow termination of the subject construction permits.

TVA completed a Final Environmental Assessment (EA) and Finding of No Significant Impacts (FONSI) on January 31, 2006.

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TVA determined that canceling construction of the existing BLN units, withdrawing the construction permits, and redressing the site was not a major federal action significantly affecting the quality of the environment. Accordingly, an environmental impact statement was not required.

The enclosure provides TVA's plans for redress and additional information on other site activities. TVA requests no specific approval date; however, prompt approval will allow for redress activities to commence supporting optimal use of the site.

If you have any questions, please call Rob Brown at (423) 751-7228.

Sincerely,



Glenn W. Morris  
Manager, Corporate Nuclear Licensing  
and Industry Affairs

Enclosure

cc: (Enclosure):

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## Enclosure

### Site Description

BLN is located on an approximately 1,600-acre site adjacent to the Tennessee River near Hollywood, Alabama. By 1988, when TVA deferred completion of the plant, Unit 1 was approximately 90 percent complete, and Unit 2 was about 58 percent complete. As the plant did not become operational, no nuclear fuel or waste is on site. The only radioactive material to be disposed of is from the removal of smoke detectors and exit signs from various buildings to be sold, demolished, or abandoned in place. Safeguards information has been shredded or removed. Fenced areas are currently under industrial-type security.

The current environmental status of BLN is as follows:

**Air:** Minor Source Status granted June 24, 1996, by the Alabama Department of Environmental Management (ADEM). There is no expiration date for a minor source permit.

**Toxics:** There are no polychlorinated biphenyl (PCB) transformers on site; however, there are other PCB containing items/equipment/articles on site but not in service. PCB information is reported annually in the *PCB Annual Document Log*.

**Wastes (Environmental Protection Agency Identification Number AL5640090002):**

Hazardous - Small Quantity Generator

Solid - Presently disposed of off site by contract at an ADEM-permitted facility

**Wastewater (National Pollutant Discharge Elimination System [NPDES] Permit Number AL0024635):** Sewage is currently routed to Hollywood Sewer System. The current NPDES permit expires on November 30, 2009.

**Water:** Drinking water is purchased from the City of Hollywood, a community public water system regulated by the state.

### Potential Impacts

TVA plans to keep and maintain the environmental permits in regulatory compliance regardless of the termination of the NRC construction permits. Compliance activities include NPDES permits, division monitoring reports, demolition permits (10-day notifications), and air permits that are applicable to the entire site. These measures will continue as long as TVA retains ownership of the BLN site. Maintaining and complying with these existing permits and regulations ensures the stability of the site until such time that TVA decides how the site may be best utilized in the future. Any such decision would be predicated upon appropriate environmental review(s).

Most of the minor environmental impacts resulting from redress activities would be associated with removal of equipment or structures not identified as potentially useful for future activities that may occur on the site. Most materials and structures removed would be above grade or in areas that have experienced substantial ground

disturbance under the original construction of the plant. TVA currently plans to maintain such major components as the intake and discharge facilities, cooling towers, wastewater system, and transmission switch yards. Other structures not identified as necessary will be sold, taken apart, removed from the site, abandoned in place, or demolished. Demolition wastes generated would be disposed of in appropriately permitted solid waste or other disposal facilities.

Equipment identified as unnecessary would have the power disconnected and would either be reused by other TVA facilities, sold for reuse, or abandoned in place. Such items may include, but are not limited to, valves, strainers, battery boards and chargers, transfer switches, vent fans, motors, cabinet panels, breakers, power systems, shop equipment such as lathes, air compressors and dryers, as well as other miscellaneous equipment. Additional materials may include, but are not limited to, items such as piping, tubing and conduit, cable, instrumentation, and general construction materials. TVA would continue to conduct periodic site inspections to ensure that none of the equipment or materials are causing environmental, health, or safety problems.

Redress would involve the removal of diesel generator fuel (approximately 45,000 gallons per generator) and lube or control fluids from the main turbine lube oil tanks (16,500 gallons each), feedwater pump lube oil tanks (1500 gallons each), reactor coolant pump motors (400 gallons each), control fluid tanks (1200 gallons each) and diesel generator lube oil sumps (1500 gallons each). Fuel and lubricant would be removed and storage containers would be closed in accordance with all applicable federal, state, or local laws and regulations.

TVA has both agency and site processes and procedures in place to safely handle the demolition and removal of the identified equipment, structures and fuels or lubricants in an environmentally sound manner.

### **Cumulative Impacts**

Because the redress activities at the BLN site would constitute minor, insignificant, routine activities, there would be no cumulative impacts associated with the redress activities.

### **Mitigation Measures**

There would be no additional mitigation measures other than the routine mitigation measures, i.e., best management practices.