



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

December 12, 2011

Docket Nos. 030-09944  
030-34258  
Control Nos. 576374  
576373

License Nos. 41-08165-08  
41-25370-01

Joe W. Shea  
Program Manager, Corporate Licensing  
Tennessee Valley Authority  
Chief Nuclear Officer and Executive Vice President  
TVA Nuclear  
1101 Market Street, LP 6A-C  
Chattanooga, TN 37402-2801

**SUBJECT: TENNESSEE VALLEY AUTHORITY, VOIDANCE OF APPLICATION FOR  
LICENSE AMENDMENT, CONTROL NOS. 576374 AND 576373**

Dear Mr. Shea:

This concerns the Final Environmental Impact Statement (FEIS) for the Muscle Shoals Reservation Redevelopment that was submitted to us by Aaron B. Nix. The FEIS was controlled as an application for an Amendment to your material licenses. Based on telephone conversations with Jim Colagross, Lee Miller, Jay Hensen and you, we determined that you did not request to amend or terminate your licenses at this time, but sent the FEIS for information only. This action is taken without prejudice to future amendment requests.

However, please note that a brief review of the FEIS indicates that there may be facilities within the 1400-acre Muscle Shoals Reservation subject to the FEIS that come under the licenses listed above. The FEIS does not appear to mention either NRC license. In addition, two other radiological issues are mentioned: a former low level waste burial area, and a phosphate area where there is elevated radiation levels and therefore is fenced to limit access. Any of the five action alternatives require coordination with the NRC because the land would be considered to be impacted by facilities under the two licenses and also the two exterior areas referenced in the FEIS, and release of the facilities would fall under the requirements of 10 CFR Part 20, Subpart E. Proposed land uses in the action alternatives would have to consider the radiological impacts of these facilities and areas, and the FEIS lacks sufficient detail about these areas for us to determine if they meet the Subpart E criteria at this time.

The NRC guidance for decommissioning of facilities may be found on the NRC website [www.nrc.gov](http://www.nrc.gov), under "NRC Library", "Document Collections", in NUREG-1757, "Consolidated Decommissioning Guidance". If you have additional questions, you may contact me at (610) 337-5040 or [Elizabeth.ullrich@nrc.gov](mailto:Elizabeth.ullrich@nrc.gov).

J. Shea

2

Sincerely,

***Original signed by Elizabeth Ullrich***

Betsy Ullrich  
Senior Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

cc:

James B. Colagross, Radiation Safety Officer  
Aaron B. Nix, Senior Manager, NEPA Interface

DOCUMENT NAME: G:\WordDocs\Current\Lic Cvr Letter\L41-08165-08.576374.doc

**SUNSI Review Complete: EUllrich**

After declaring this document "An Official Agency Record" it will be released to the Public.

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI	DNMS/RI		
NAME	EUllrich/EU					
DATE	112/12/2011					

OFFICIAL RECORD COPY