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

April 3, 2014

10 CFR 30.36

Licensing Assistance Team
Division of Nuclear Materials Safety
U. S. Nuclear Regulatory Commission, Region I
2100 Renaissance Blvd., Suite 100
King of Prussia, Pennsylvania 19406-2713

Tennessee Valley Authority
Materials License Number 41-08165-19
Docket Number 030-38667

03038667

REC'D 04/04/14 10:32

Subject: By-Product Materials License Number 41-08165-19 for TVA's Mixed Waste Storage Facility – Cessation of Principal Activities

- References:
1. Letter from TVA to NRC, "By-Product Materials License 41-08165-19 for TVA's Mixed Waste Storage Facility – Low Level Radioactive Waste Storage License – Decommissioning Cost Update" dated November 26, 2013.
 2. Letter from TVA to NRC, "By-Product Materials License Number 41-08165-19 for TVA's Mixed Waste Storage Facility – Low Level Radioactive Waste Storage License – Decommissioning Cost Update, Control No. 582602" dated March 17, 2014.

The purpose of this letter is to notify the Nuclear Regulatory Commission (NRC), pursuant to 10 CFR 30.36(d) of the Tennessee Valley Authority (TVA) decision to permanently cease principal activities, as defined in 10 CFR Part 30, at the Mixed Waste Storage Facility (MWSF) in Muscle Shoals, Alabama. On February 20, 2014, TVA elected to close the Hazard Waste Storage Facility which includes the MWSF. The proposed site closure schedule provides that mixed waste receipts at the MWSF will cease by June 30, 2014; and all mixed wastes will be removed and the MWSF will be closed by the end of September 2014.

Funding for the decommissioning of the MWSF will be provided as described in References 1 and 2. TVA plans to begin decommissioning the MWSF as soon as all mixed wastes are removed from the MWSF. Based on the conduct of operations at the MWSF and the results of the routine radiation surveys performed during site operations, TVA has concluded that the procedures and activities necessary to carry out decommissioning of the MWSF will be similar to those that may have been implemented during the conduct of licensed activities at the MWSF site for similar purposes (e.g., survey and decontamination). TVA does not expect the decommissioning procedures and activities to increase potential health and safety impacts to

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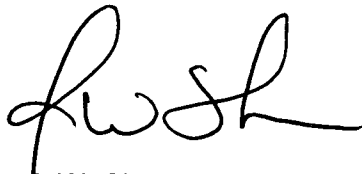
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workers or the public and has concluded pursuant to 10 CFR 30.36(g)(1) that the submission of a decommissioning plan to the NRC is not necessary.

The TVA plans to complete the decommissioning of the MWSF and request license termination within 24 months of the initiation of decommissioning as required by 10 CFR 30.36(h). As the final step in decommissioning, TVA will submit a completed NRC Form 314, Certificate of Disposition of Materials, and documentation that demonstrates that the MWSF is suitable for release in accordance with the criteria for decommissioning in 10 CFR part 20, subpart E, as provided by 10 CFR 30.36(j).

If you have any questions regarding this information, please contact Lee Miller at (423) 751-3197.

Respectfully,

A handwritten signature in black ink, appearing to read 'JWShea', written in a cursive style.

J. W. Shea
Vice-President, Nuclear Licensing

This is to acknowledge the receipt of your letter application dated

4/3/14, and to inform you that the initial processing which includes an administrative review has been performed.

Notification (41-08165-19) There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 583639.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.