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PATENTS ONLY ઈ the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies) Name: U.S. Department of Energy Savannah Riuver Nuclear Solutions, LLC Internal Address: Additional name(s) of conveying party(ies) attached? L. Yes X No 3. Nature of conveyance/Execution Date(s): Street Address: 1000 Independence Ave., SW Execution Date(s) 1// 14/2014 Assignment Merger City: Washington Change of Name Security Agreement Joint Research Agreement State: DC Government Interest Assignment Zip:20585-0162 Country: USA | Executive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Yes No Other 4. Application or patent number(s): This document is being filed together with a new application. B. Patent No.(s) A. Patent Application No.(s) 11/169,859 Yes X No Additional numbers attached? 6. Total number of applications and patents 5. Name and address to whom correspondence concerning document should be mailed: involved: 1 Name: Donna A Brown 7. Total fee (37 CFR 1.21(h) & 3.41) \$_ Internal Address: Authorized to be charged to deposit account **Enclosed** Street Address: P.O. Box A None required (government interest not affecting title) 8. Payment Information City: Aiken Zip: 29802 State: SC Phone Number: (803) 952-7290 Deposit Account Number __ Docket Number: DOE S-102,746 Authorized User Name_ Email Address: donna.brown@srs.gov 9. Signature: 1/27/2014 Date Signature Total number of pages including cover Donna A. Brown sheet, attachments, and documents: Name of Person Signing Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

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PATENT REEL: 032167 FRAME: 0168

SRS No.: SRS-04-014 DOE No.: S-102,746

CONFIRMATORY LICENSE

Application for:

Hydrogen Peroxide Modified Sodium Titanates with Improved Sorption Capabilities

Inventor(s):

David T. Hobbs, Savannah River Nuclear Solutions, LLC; and

May D. Nyman, Sandia National Laboratories

Serial Number:

11/169,859

Filing Date: Contract No.:

June 29, 2005 DE-AC09-08SR22470

Contractor:

Savannah River Nuclear Solutions, LLC

The invention above was identified as a "Subject Invention" under the U.S. Department of Energy's Prime Contract No. DE-AC09-96SR18500 with Westinghouse Savannah River Company (WSRC). Savannah River Nuclear Solutions, LLC (SRNS) is the ultimate successive contractor to WSRC for the U.S. Department of Energy's Savannah River Site. A patent application has been filed for the above-identified invention under the authority of SRNS's Prime Contract.

The Contractor confirms that under the provisions of its Prime Contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the invention in the above-identified patent application, and any and all divisions or continuations of it, and any resulting patent or reissue patent that may be granted.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of the above-identified contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contractor grants the Government an irrevocable power to inspect and make copies of the above-identified application

Rebecca I. Butler

Intellectual Property Counsel

Date: 1114 14

PATENT REEL: 032167 FRAME: 0169

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