



XW002/03  
11004983

December 21, 2005

Margaret M. Doane  
Deputy Director  
Office of International Programs  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852- 2738

Subject: Request for Minor Amendment of Export License

Dear Ms. Doane:

Ontario Power Generation (OPG) has communicated to us that additional waste material similar to that already sent to date will continue to be shipped for processing at Diversified Scientific Services, Inc. (DSSI) in Kingston, Tennessee. Import License IW004/03 is currently valid for this function.

The intent of this letter is to request a minor amendment to extend the expiration date and update our current address for active Export License XW002/02 to complement Import License IW004/03 and if necessary to return baghouse salts and ash or non-conforming waste back to OPG.

Attached is a check for \$300 to cover the cost for this minor amendment request and a copy of Import License IW004/03.

The minor amendment request includes:

Export License XW002/02

Extend the export expiration date from 31 December 2005 to 31 December 2007.

Licensee: Update from 663 Emory Valley Road to 701 Scarboro Road, Suite 300.

Everything else remains unchanged.

Thank you for you help with this minor amendment.

Sincerely,

Paul M. Hickman  
Sales Manager  
Perma-Fix Environmental Services, Inc./DSSI

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# United States Nuclear Regulatory Commission

Washington, DC 20555

## Import License

Pursuant to the Atomic Energy Act of 1954, as amended, and Title 10, Code of Federal Regulations, Chapter 1, Part 110, a license is hereby issued to the licensee designated below authorizing the import of nuclear materials and/or facilities into the United States of America in accordance with the statements and representations made by the licensee in the application referenced below. This license is subject to all applicable rules, regulations, and orders of the United States Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

**NRC License Number:** IW004/03

**Expiration Date:** December 31, 2006

**Application Date/Reference Number:**

Letter dated December 21, 2004

**U.S. Licensee:**

Diversified Scientific Services, Inc. (DSSI)  
657 Gallaher Road  
Kingston, TN 37763  
Attn: P. Hickman

**Purpose of Amendment:** To extend the expiration date from December 31, 2004 to December 31, 2006; and to update the State of Tennessee Radioactive Material License to R-73014-H14.

**Quantity and Type of Material:** The total quantity and forms of the material authorized for import, remain unchanged (15,000,000.0 kilograms of Class A Radioactive Mixed Waste in liquid form, including used oil and/or combustible materials containing primarily tritium and carbon-14, mixed fission product radionuclides and other contaminants). The total activity level of the radioactive contaminants also remains unchanged (1,000 curies of tritium and carbon-14, and 10 curies of mixed fission product radionuclides per year).

**Point of Origin:**

Ontario Power Generation, Inc. (Canada)

**End Use:** For processing at DSSI's Industrial Boiler Facility. The waste will be incinerated at this facility, and the resultant residue, in the form of solids, will be returned to Canada for final disposition in accordance with the applicable NRC export license.

**Ultimate Consignee/Receiving Facility in the United States:**

DSSI  
657 Gallaher Road  
Kingston, TN 37763

The applicable State of Tennessee Radioactive Material License Number is:

R-73014-H14

The applicable RCRA Part B Permit Number is:

TNHW-024

**Authorized For the U.S. Nuclear Regulatory Commission By:**

**Name:** Margaret M. Doane,  
**Title:** Deputy Director  
Office of International Programs

**Signature:** 

**Date of Issuance:** December 15, 2005

**License Condition:** This NRC license authorizes import only. The U.S. Licensee is responsible for compliance with any and all additional Federal and State requirements that may apply.

**EXPORT LICENSE**

NRC FORM 250  
(6-94)

**THIS LICENSE EXPIRES 31 December 2005**

**United States of America**  
**Nuclear Regulatory Commission**

NRC LICENSE NO.

**XW002/03**  
**XW002**  
**Amendment No. 02**  
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Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued

to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.

<p align="center"><b>LICENSEE</b></p> <p><b>Perma Fix/Diversified Scientific Services, Inc. (DSSI) 663 Emory Valley Road Oak Ridge, TN 37830</b></p> <p><b>ATTN: P. Hickman</b></p>	<p align="center"><b>ULTIMATE CONSIGNEE IN FOREIGN COUNTRY</b></p> <p><b>Ontario Power Generation, Inc. Western Waste Management Facility Tiverton, Ontario Canada</b></p> <p><b>(Return of Class A radioactive mixed waste resulting from materials imported under NRC license IW004)</b></p>
<p align="center"><b>INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY</b></p> <p align="center"><b>NONE</b></p>	<p align="center"><b>OTHER PARTIES TO EXPORT</b></p> <p><b>Perma Fix/DSSI 657 Gallaher Road Kingston, TN 37763</b></p> <p><b>(Supplier)</b></p>

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<p><b>APPLICANT'S REF. NO.</b> Ltr Dated 4/1/03</p>	<p><b>COUNTRY OF ULTIMATE DESTINATION</b> Canada</p>
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<p><b>QUANTITY</b></p>	<p><b>DESCRIPTION OF MATERIALS OR FACILITIES</b></p> <p>The licensee is authorized to export up to 30 curies (and not more than 10 curies per year) in 15,000 litres of radionuclides (primarily mixed fission products) as Class A radioactive mixed waste in the form of baghouse salts and ash, which result from processing liquid waste received from Ontario Power under NRC import license IW004.</p> <p>The licensee is also authorized to export (return to Ontario Power) 3 drums of non-conforming Class A radioactive mixed waste containing tritium (300 curies) and heavy water (150.0 kilograms).</p> <p align="center"><b>XW002, Amendment No. 02, continued on Page 2</b></p>
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Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended and the Energy Reorganization Act of 1974.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended and to all of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.

**THIS LICENSE IS INVALID UNLESS SIGNED BELOW  
BY AUTHORIZED NRC REPRESENTATIVE**

*Edward J. Baker*  
**Edward Baker, Deputy Director  
Office of International Programs**

**DATE OF ISSUANCE** August 21, 2003

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**DESCRIPTION OF MATERIALS OR FACILITIES:**

The license is amended to: 1) authorize the export of three drums (630.0 kilograms) of non-conforming Class A radioactive mixed waste containing up to 300 curies of tritium and other mixed fission product radionuclides, and approximately 150.0 kilograms of heavy water; 2) extend the expiration date from April 30, 2003 to December 31, 2005; and 3) update and correct a spelling error in the ultimate consignee's name and address.

The licensee is also responsible for complying with all domestic Federal and State regulatory requirements as well as any international requirements that may apply to transfers of this material. Should the licensee receive additional quantities of non-conforming Class A radioactive mixed waste under NRC import license IW004, the licensee must notify NRC and obtain approval of an amendment to this export license to authorize its return.

All other terms and conditions of this export license remain unchanged.

//////////////////////////////////////END//////////////////////////////////////

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