

Ctrl No. : 316083



### Fax Cover Letter

Date: 3/14/2007

Pages: 7 including this one

To: Sam Mulay

From: Kyle Drury

Phone:

Phone: 573.483.2564

Fax: 630.515.1259

Fax: 573.483.9474

Remarks:  Per you request  For your review  Reply ASAP  Please comment

#### Message:

Sam,

I am sending along the same form 314 I send last time, but with the leak test certificate and license of the recipient attached.

If you have any questions please call me at the above number or e-mail me at [kwd@blex.com](mailto:kwd@blex.com),

Thank you

Kyle W. Drury

GPS  
Site Grading  
Heavy & Highway  
General Contracting  
Underground Utilities  
Construction Management

**Bloomsdale**  
12211 State Route Y  
P.O. Box 86  
Bloomsdale, MO 63627  
573.483.2564 o  
573.483.9474 f

**Maintenance Facility**  
12207 State Route Y  
Bloomsdale, MO 63627  
573.483.9089 o  
573.483.9097 f



**Rolla**  
1041 East 18<sup>th</sup> Street  
Rolla, MO 65401  
573.364.8149 o  
573.364.8166 f

**Cape Girardeau**  
364 South Broadview  
Suite B  
Cape Girardeau, MO 63703  
573.339.0784 o  
573.339.5999 f

**O'Fallon, IL**  
4 Eagle Center  
Suite 4C  
O'Fallon, IL 62269  
618.622.9386 o  
618.624.4693 f

<p><b>NRC FORM 314</b> (8-2004) 10 CFR 20.240(X)(1); 40.420(X)(1); 70.360(X)(1); and 72.540(X)(1)</p> <p style="text-align: center;"><b>U.S. NUCLEAR REGULATORY COMMISSION</b></p> <p style="text-align: center; font-size: 1.2em;"><b>CERTIFICATE OF DISPOSITION OF MATERIALS</b></p>	<p><b>APPROVED BY OMB: NO. 3150-0028</b>      <b>EXPIRES: 06/30/2007</b></p> <p><small>Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to <a href="mailto:infocollect@nrc.gov">infocollect@nrc.gov</a>, and to the Desk Officer, Office of Information and Regulatory Affairs, NEDE-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.</small></p>				
<p><b>LICENSEE NAME AND ADDRESS</b></p> <p>Bloomsdale Excavating Company, Inc. 12211 State Route Y Bloomsdale, MO 63627</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"><b>LICENSE NUMBER</b> 24-32572-01</td> <td style="width:50%;"><b>DOCKET NUMBER</b> 030-36928</td> </tr> <tr> <td colspan="2"><b>LICENSE EXPIRATION DATE</b> 05/31/2015</td> </tr> </table>	<b>LICENSE NUMBER</b> 24-32572-01	<b>DOCKET NUMBER</b> 030-36928	<b>LICENSE EXPIRATION DATE</b> 05/31/2015	
<b>LICENSE NUMBER</b> 24-32572-01	<b>DOCKET NUMBER</b> 030-36928				
<b>LICENSE EXPIRATION DATE</b> 05/31/2015					
<p><b>A. LICENSE STATUS (Check the appropriate box)</b></p> <p><input type="checkbox"/> This license has expired.      <input checked="" type="checkbox"/> This license has not yet expired; please terminate it.</p>					
<p><b>B. DISPOSAL OF RADIOACTIVE MATERIAL</b> <i>(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)</i></p> <p>The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:</p>					
<p><input type="checkbox"/> 1. No radioactive materials have ever been procured or possessed by the licensee under this license.</p> <p><input checked="" type="checkbox"/> 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> a. Transfer of radioactive materials to the licensee listed below: March 12, 2007 STS Aquisition Company d/b/a STS Consultants, Ltd. 1035 Kepler Drive Green Bay, WI 54311-8320 License No. 48-18672-01 L Scott Mottow, RSO (763) 315-6307</p> <p style="margin-left: 20px;"><input type="checkbox"/> b. Disposal of radioactive materials:</p> <p style="margin-left: 40px;"><input type="checkbox"/> 1. Directly by the licensee:</p> <p style="margin-left: 40px;"><input type="checkbox"/> 2. By licensed disposal site:</p> <p style="margin-left: 40px;"><input type="checkbox"/> 3. By waste contractor:</p> <p style="margin-left: 20px;"><input type="checkbox"/> c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.</p>					
<p><b>C. SURVEYS PERFORMED AND REPORTED</b></p>					
<p><input type="checkbox"/> 1. A radiation survey was conducted by the licensee. The survey confirms:</p> <p style="margin-left: 20px;"><input type="checkbox"/> a. the absence of licensed radioactive materials</p> <p style="margin-left: 20px;"><input type="checkbox"/> b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.</p> <p><input type="checkbox"/> 2. A copy of the radiation survey results:</p> <p style="margin-left: 20px;"><input type="checkbox"/> a. is attached; or <input type="checkbox"/> b. is not attached (Provide explanation); or <input type="checkbox"/> c. was forwarded to NRC on: _____ Date</p> <p><input checked="" type="checkbox"/> 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> a. The results of the latest leak test are attached; and/or <input type="checkbox"/> b. No leaking sources have ever been identified.</p>					
<p><b>The person to be contacted regarding the information provided on this form:</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;"><b>NAME</b> Kyle W. Drury</td> <td style="width:30%;"><b>TITLE</b> Construction Services Manager</td> <td style="width:20%;"><b>TELEPHONE (Include Area Code)</b> (573) 483-2564</td> <td style="width:20%;"><b>E-MAIL ADDRESS</b> kwcd@blax.com</td> </tr> </table> <p><small>Mail all future correspondence regarding this license to: 12211 State Route Y, Bloomsdale, MO 63627</small></p>		<b>NAME</b> Kyle W. Drury	<b>TITLE</b> Construction Services Manager	<b>TELEPHONE (Include Area Code)</b> (573) 483-2564	<b>E-MAIL ADDRESS</b> kwcd@blax.com
<b>NAME</b> Kyle W. Drury	<b>TITLE</b> Construction Services Manager	<b>TELEPHONE (Include Area Code)</b> (573) 483-2564	<b>E-MAIL ADDRESS</b> kwcd@blax.com		
<p><b>C. CERTIFYING OFFICIAL</b></p> <p><b>I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:45%;"><b>PRINTED NAME AND TITLE</b></td> <td style="width:30%;"><b>SIGNATURE</b></td> <td style="width:25%;"><b>DATE</b></td> </tr> </table>		<b>PRINTED NAME AND TITLE</b>	<b>SIGNATURE</b>	<b>DATE</b>	
<b>PRINTED NAME AND TITLE</b>	<b>SIGNATURE</b>	<b>DATE</b>			
<p><b>WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.</b></p>					



**Troxler Electronic Laboratories, Inc.**  
 3008 Cornwallis Rd., P.O. Box 12057  
 Research Triangle Park, NC 27709  
 Tel: (877) 876-9537 Fax: (919) 485-2250  
 License: NC 032-0182-1

MAR 12 2007

KYLE DRURY  
 BLOOMSDALE EXCAVATING  
 COMP. INC.  
 12211 STATE ROUTE Y  
 BLOOMSDALE, MO 63627

**LEAK TEST CERTIFICATE**

**DEVICE:**

Model: 3430 Serial No: 38337

**SEALED SOURCES:**

Serial No.	Measure Date	Nuclide	GBq	mCi
77-3502	02/16/2005	CS-137	0.296	8
78-1143	12/01/2004	AM-241:BE	1.48	40

**LEAK TEST ANALYSIS:**

Sample collected on: 03/01/2007  
 Sample analyzed on: 03/07/2007 at 10:09:00 AM  
 Analyzed by: HARRY P. PENDLETON, JR.

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.29E+01	2.02E+01
Background measurement (cpm)	1	25
Sample measurement (cpm)	0	26
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	5.1E-01	1.3E+00

This certifies that the leak test results are:  
 Less than 185 Bq (0.005 uCi)       Greater than 185 Bq (0.005 uCi)

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION.

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Amendment No. 16

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p>Licensee</p> <p>1. STS Acquisition Co. d/b/a STS Consultants, Ltd.</p> <p>2. 1035 Kepler Drive Green Bay, WI 54311-8320</p>	<p>In accordance with letters dated February 14, 2006,</p> <p>3. License number 48-18672-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date December 31, 2010</p> <p>Docket No. 030-14020</p> <p>Reference No.</p>
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6. Byproduct, source, and/or special nuclear material

A. Cesium-137

B. Americium-241

Chemical and/or physical form

7. Maximum amount that licensee may possess at any one time under this license

A. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State.

B. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State.



Sealed sources registered either with NRC under 10 CFR 32.240 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.

Sealed sources registered either with NRC under 10 CFR 32.240 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.

9. Authorized Use:

- A. To be used in Troxler Model 4640 series, Models 4545 or 3565 or Model 1300 series portable density gauges for measuring physical properties of materials.
- B. To be used in Troxler Model 3241 series and Models 2226, 3216, 3218 and CPN International, Inc. Model MCM-2 portable surface moisture gauges for measuring physical properties of materials.
- A. and B. To be used in Troxler Models 3400 series and 4300 series and in Campbell Pacific Nuclear Model MC series and 500 series moisture/density gauges for measuring physical properties of materials.

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U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
48-18672-01

Docket or Reference Number  
030-14020

Amendment No. 16

CONDITIONS

10. A. Licensed material may be stored and used at the licensee's facilities located at:

STS Consultants, Ltd.  
10900 73rd Avenue North  
Suite 150  
Maple Grove, MN 55369

STS Consultants, Ltd.  
3755 Broadmoor Southeast  
Suite B  
Grand Rapids, MI 49512

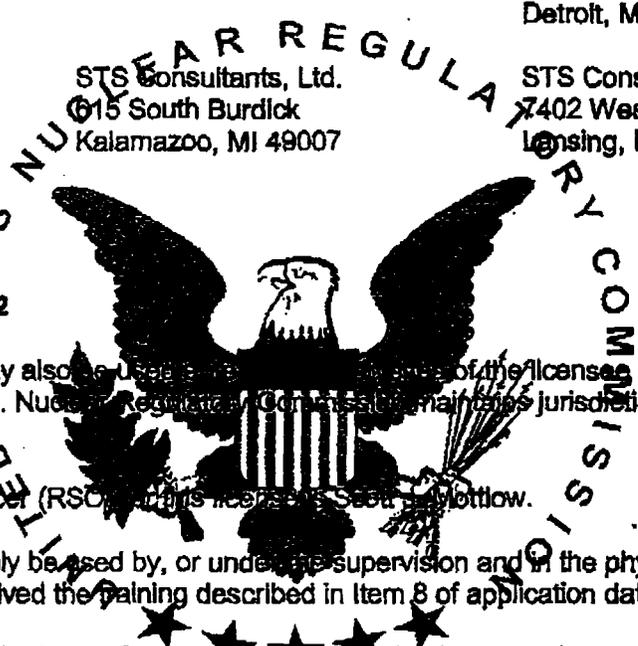
STS Consultants, Ltd.  
Randolph Centre Bldg.  
Suite 100  
1502 Randolph Street  
Detroit, MI 48226

STS Consultants, Ltd.  
1050 Wilson Street  
Marquette, MI 49855

STS Consultants, Ltd.  
615 South Burdick  
Kalamazoo, MI 49007

STS Consultants, Ltd.  
7402 Westshire Drive, Suite 100  
Lansing, MI 48917

STS Consultants, Ltd.  
3839 East Paris  
Suite 301  
Grand Rapids, MI 49512



B. Licensed material may also be used at any other location of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

11. The Radiation Safety Officer (RSO) at this licensee's State of Michigan.

12. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in Item 8 of application dated October 11, 2000.

13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State.

B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

C. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
48-18672-01

Docket or Reference Number  
030-14020

Amendment No. 18

- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U. S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform the analysis; analysis of leak samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
14. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
15. Except for maintaining labeling as required by 10 CFR Part 30.21, the licensee shall obtain authorization from NRC before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications indicated in the respective Certificates of Registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.
16. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by NRC, to account for all sources and/or devices received and possessed under the license.
17. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
18. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
19. Each portable gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport, storage, or when not under the direct surveillance of an authorized user.
20. The licensee may detach the source or source rod from gauges for the purpose of cleaning, maintenance, or repair of the gauges in accordance with procedures outlined in the application dated April 11, 2002 and letter dated July 12, 2002.
21. A. If the licensee uses unshielded sealed sources extended more than 3 feet below the surface, the licensee shall use surface casing that extends from the lowest depth to 12 inches above the surface and other appropriate procedures to reduce the probability of the source or probe becoming lodged below the surface. If it is not feasible to extend the casing 12 inches above the surface, the licensee shall implement procedures to ensure that the cased hole is free of obstruction before making measurements.

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
48-18672-01

Docket or Reference Number  
030-14020

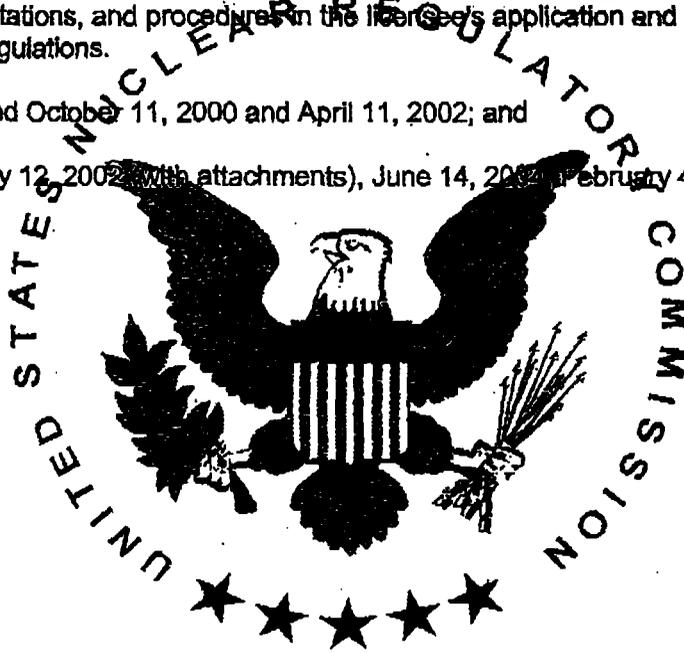
Amendment No. 16

B. If a sealed source or a probe containing sealed sources becomes lodged below the surface and it becomes apparent that efforts to recover the sealed source or probe may not be successful, the licensee shall notify the U. S. Nuclear Regulatory Commission and submit the report required by 10 CFR 30.50(b)(2) and (c). The licensee shall not abandon the sealed source or probe without obtaining the Commission's prior written consent.

22. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Applications dated October 11, 2000 and April 11, 2002; and

B. Letters dated July 12, 2002 (with attachments), June 14, 2002, February 4, 2005 and March 9, 2005.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date FEB 24 2006

By *Toye L. Simmons*  
Toye L. Simmons  
Materials Licensing Branch  
Region III