

**NRC FORM 241 (7-1999) U.S. NUCLEAR REGULATORY COMMISSION**

**REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES, AREAS OF EXCLUSIVE FEDERAL JURISDICTION, OR OFFSHORE WATERS**  
(Please read the instructions before completing this form)

**APPROVED BY DATE: NO. 3150-0013** **EXPIRES: 07/31/2002**  
Estimated burden per response to comply with this mandatory collection (average): 15 minutes. This notification is required so that NRC may evaluate the burden of the activities to ensure that they are conducted in accordance with requirements for protection of the public health and safety. Send comments regarding burden estimate to the Records Management Branch (T-4 EB), U.S. Nuclear Regulatory Commission, Washington, DC 20545-0002, or by internet e-mail to 9141@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202, (3150-0013), 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.

1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described herein) <b>Solutient Technologies, LLC</b>		2. TYPE OF REPORT <input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION	
3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) <b>7857 Freedom Avenue NW North Canton, OH 44720</b>		4. LICENSEE CONTACT AND TITLE <b>Stephen V. Prewett, Ph.D RSO</b>	
		5. TELEPHONE NUMBER (Include Area Code) <b>330 497-5905</b>	6. FACSIMILE NUMBER (Include Area Code) <b>330 497-2045</b>
7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20 <input type="checkbox"/> WELL LOGGING <input type="checkbox"/> LEAK TESTING AND/OR CALIBRATIONS <input type="checkbox"/> TELE THERAPY/IRRADIATOR SERVICE <input type="checkbox"/> PORTABLE GAUGES <input checked="" type="checkbox"/> OTHER (Specify) => <b>Segregation of Radiological Materials</b> <input type="checkbox"/> RADIOGRAPHY => REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)			
8. CLIENT NAME, ADDRESS, CITY/STATE, ZIP CODE <b>Safety Light Corporation 4150-A Old Berwick Road Bloomsburg, PA 17815</b>		9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address as possible.) <b>4150-A Old Berwick Road Bloomsburg, PA 17815</b>	
		10. CLIENT TELEPHONE NUMBER (Include Area Code) <b>570 784-4344</b>	11. WORK LOCATION TELEPHONE NUMBER (Include Area Code) <b>570 784-1402</b>
12. DATES SCHEDULED FROM <b>6/3/03</b> TO <b>12/2/03</b> <i>Act</i>		13. NUMBER OF WORK DAYS <b>153</b> <i>Act</i>	14. ADD <b>180</b> <i>Act</i>
		15. DELETE	16. LOCATION REFERENCE NUMBER <b>000763</b>
17. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED (Include description of type and quantity of radioactive material, a used source, or device to be used.) <b>1 Ci, Ra-226, Cs-137, Sr-90</b>			
18. AGREEMENT STATE SPECIFIC LICENSE WHICH AUTHORIZES THE UNDERSIGNED TO CONDUCT ACTIVITIES WHICH ARE THE SAME, EXCEPT FOR LOCATION OF USE, AS SPECIFIED IN ITEM 17 ABOVE. (Four copies of the specific license must accompany the initial NRC Form 241.)		LICENSE NUMBER <b>03219770000</b>	STATE <b>OH</b>
		EXPIRATION DATE <b>5/1/06</b>	
19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT) I, THE UNDERSIGNED, HEREBY CERTIFY THAT: a. All information in this report is true and complete. b. I have read and understand the provision of the general license 10 CFR 150.20 reprinted on the instructions of this form, and I understand that I am required to comply with these provisions as to all byproduct, source, or special nuclear material which I possess and use in non-agreement states or offshore waters under the general license for which this report is filed with the U.S. Nuclear Regulatory Commission. c. I understand that activities, including storage, conducted in non-agreement states under general license 10 CFR 150.20 are limited to a total of 180 days in calendar year. With the exception of work conducted in off-shore waters, which is authorized for an unlimited period of time in the calendar year. d. I understand that I may be inspected by NRC at the above listed work site locations and at the licensee home office address for activities performed in non-agreement states or offshore waters. e. I understand that conduct of any activities not described above, including conduct of activities on dates or locations different from those described above or without NRC authorization, may subject me to enforcement action, including civil or criminal penalties.			
CERTIFYING OFFICER - RSO or Management Representative (Name and Title) <b>STEVEN M. Prewett President</b>		SIGNATURE <i>Steven Prewett</i>	DATE <b>6-2-03</b>
WARNING: False statements in this certificate may be subject to civil and/or criminal penalties. NRC regulations require that submission to the NRC be complete and accurate in all material respects. 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.			
FOR NRC USE ONLY	REVIEWING OFFICIAL (Name and Title) <b>Daric C. Gonzalez</b>	DATE <b>6/3/03</b>	TOTAL USAGE - DAYS TO DATE

NRC FORM 241 (7-1999) PRINTED ON RECYCLED PAPER

**OHIO DEPARTMENT OF HEALTH  
LICENSE FOR RADIOACTIVE MATERIAL**

Pursuant to Chapter 3748 of the Ohio Revised Code, and in reliance on statements and representations made by the licensee, a license is hereby issued authorizing the licensee named herein to receive, acquire, possess, and transfer radioactive material as 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 applications of Chapter 3748 of the Ohio Revised Code and all rules promulgated thereunder. This license shall be deemed to contain the conditions specified in rules 3701-38-02.1 and 3701-39-021 of the Ohio Administrative Code and is subject to all applicable rules, regulations and orders of the Ohio Department of Health now or hereinafter in effect and to any conditions specified below.

LICENSEE	LICENSE NUMBER
1. Solutient Technologies, LLC	3. 03219770000
	EXPIRATION DATE
2. 7857 Freedom Ave. NW North Canton, OH 44720	4. May 1, 2006
	BUREAU DOCKET NUMBER
	5. CM02-05-01

- |   |                                  |  |
|---|----------------------------------|--|
| 6. RADIOACTIVE MATERIAL   | 7. CHEMICAL AND/OR PHYSICAL FORM | 8. MAXIMUM QUANTITY THAT LICENSEE MAY PROCESS AT ANY ONE TIME UNDER THIS LICENSE           |
| A. Uranium – Depleted and Natural   | A. Any                           | A. As necessary for the uses authorized in item no. 9. Total not to exceed 370 GBq (10 Ci) |
| B. Any radioactive material with atomic numbers 1 to 103, except Special Nuclear Material | B. Any                           | B. No single isotope to exceed 37 GBq (1Ci). Total not to exceed 370 GBq (10Ci)            |
| C. U-233  | C. Any                           | C. 200 grams as specified in condition no. 11  |
| D. Uranium enriched in the U-235 isotope  | D. Any                           | D. 350 grams of contained U-235 as specified in condition no.11                            |
| E. Plutonium  | E. Any                           | E. 200 grams as specified in condition no.11   |

9. AUTHORIZED USE

- A. to E. Processing, storage, packaging, and shipment of radioactive material incident to the surface decontamination of structures, components, and items for the purpose of unrestricted release. This license also authorizes surveys, characterizations, and remediation of radioactively contaminated structures, materials, soils, and soil-like materials.

CONDITIONS

10. Licensed materials shall be used only at temporary job sites of the licensee anywhere in the State of Ohio where the Ohio Department of Health maintains jurisdiction for regulating the use of licensed material. Except for calibration sources, reference standards, and contaminated equipment owned by the licensee, processing of licensed material at each temporary job site shall be limited to material originating from each site. This material must either be transferred to an authorized recipient or remain at the temporary job site after licensee activities are completed.

## LICENSE FOR RADIOACTIVE MATERIALS

License Number: 03219770000

## SUPPLEMENTARY SHEET

Bureau Docket Number: CM02-05-01

Amendment No. Initial

11. For each kind of Special Nuclear Material, determine the ratio between the quantity of that Special Nuclear Material and the quantity specified in 8C, 8D, or 8E for the same kind of special nuclear material. The sums of such ratios for all kinds of Special Nuclear Material in combination, shall not exceed "1" ( i.e. unity ).
12. Licensed material shall be used by, or under the supervision of, those individuals receiving the training described in application dated October 20, 2000.
13. The Radiation Safety Officer (RSO) for this license is: Stephen V. Prewett, Ph.D.  
A. Alternate RSO's are: Brad Squib; Leslie Cole CHP; and David Bernhardt CHP
14. The licensee shall notify the Ohio Department of Health in writing at least 30 days before initiating activities under this license at a temporary job site. This notification shall include:
- A. The estimated type, quantity, and physical/chemical forms of licensed material to be used;
  - B. The specific site location;
  - C. A description of planned activities including waste management and disposition;
  - D. The estimated start date and completion date for the job; and
  - E. The name and title of a point of contact for the job, including information on how to contact the individual.
  - F. Written agreements between the licensee and customer pursuant to condition no. 15.
15. This license does not authorize the use of licensed material at temporary job sites for uses already specifically authorized by a customer license. If a customer also holds a license issued by the Ohio Department of Health, the Nuclear Regulatory Commission or an Agreement State, the licensee shall establish a written agreement between the licensee and the customer specifying which licensee activities will be performed under the customer's license and supervision, and which licensee activities will be performed under the licensee's supervision pursuant to this license. The agreement shall include a commitment by the licensee and the customer to ensure safety, plus any commitments by the licensee to help the customer clean up the temporary job site if there is an accident. A copy of this agreement shall be included in the notification required by license condition 14.
16. The licensee shall maintain records of information important to decommissioning each temporary job site at the applicable job site pursuant to the applicable regulations. The records shall be made available to the customer upon request. At the completion of activities at a temporary job site, the licensee shall transfer these records to the customer for retention.
17. Before processing any licensed material at a temporary job site in quantities requiring an emergency plan the licensee shall either:
- A. Obtain Ohio Department of Health approval of an evaluation demonstrating that an emergency plan is not required pursuant to 10 CFR 30.32(i), 40.31(j), and 70.22(i) as delineated in OAC 3701-39-021; or
  - B. Submit written confirmation to the Director, Ohio Department of Health, that licensee personnel have been trained and will follow the provisions of an existing emergency plan approved by the Ohio Department of Health, the NRC, or an Agreement State for the temporary job site.
18. If approved by a Radiation Safety Officer specifically identified in this license, the licensee may take reasonable action in an emergency that departs from conditions in this license when the action is immediately needed to protect public health and safety, and no action consistent with all license conditions that can provide adequate or equivalent protection is immediately apparent. The licensee shall notify the Ohio Department of Health before, if practicable, and in any case, immediately after taking such emergency using the reporting procedure as specified in 10 CFR 30.50( c ) as delineated in OAC 3701-39-021.
19. The licensee shall maintain complete and accurate records of the receipt and disposal of radioactive material. The licensee shall, for radioactive material no longer useful for any purpose and for any equipment or supplies contaminated with such material for which further use and decontamination is not planned, define those materials as radioactive waste and treat them as such in accordance with the following provisions:
- A. Radioactive waste material shall not be stored with non-radioactive waste.

## LICENSE FOR RADIOACTIVE MATERIALS

License Number: 03219770000

## SUPPLEMENTARY SHEET

Bureau Docket Number: CM02-05-01

Amendment No. Initial

- B. A written record of all radioactive waste material shall be maintained until it has been shipped to an authorized recipient in accordance with all applicable regulations. Accountability of radioactive waste material prepared for shipment but not yet shipped shall be maintained by the licensee by an internal record system such that the licensee is constantly aware of the material's location and the proposed time of shipment. Individuals who are involved in the shipping of such material and/or the storage of such material prior to shipment, shall be trained in the precautions necessary for such handling and storage.
- C. Shipment records of radioactive waste material shall be maintained and the licensee shall require written confirmation from the authorized recipient of such material that the material has been received.
- D. All records and written confirmations required by this condition shall be maintained for inspection by the Ohio Department of Health.
20. Except for plutonium contained in a medical device designed for individual human application, no plutonium, regardless of form, shall be delivered to a carrier for shipment by air transport or transported in an aircraft by the licensee except in packages the design of which the U.S. NRC has specifically approved for transport of plutonium by air.
21. Sealed sources:
- A. Sealed sources and detector cells shall be tested for leakage and /or contamination at intervals not to exceed six (6) months, or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210, as delineated in OAC-3701-39-021.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be leak tested for leakage and/or contamination at intervals not to exceed three (3) months.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into service until tested.
- D. Sealed sources need not be tested if:
- 1) They contain only a radioactive gas; or
  - 2) The half-life of the radioisotope is 30 days or less; or
  - 3) They contain 37 MBq (100 uCi) or less of beta or gamma emitting material or 370 kBq (10 uCi) or less of alpha-emitting material; or
  - 4) They are in storage and are not being used. However when they are removed from storage for use or transfer 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.
- E. The leak test shall be capable of detecting the presence of 185 Bq of radioactive material on the test sample. If the test reveals the presence of 185 Bq or more of removable contamination, a report shall be filed with the Ohio Department of Health, and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Ohio Department of Health regulations. The report shall be filed within 5 days of the date the leak test result is known with the Bureau of Radiation Protection - Ohio Department of Health, 246 N. High St., P.O. Box 118, Columbus, Ohio 43266-0118. The report shall specify the source involved, the test results, and corrective action taken.
- F. The licensee is authorized to collect and test leak samples for analysis. Alternatively, persons specifically licensed by the Director, the NRC, Agreement or a NARM Licensing State to perform such services may perform tests for leakage and/or contamination.
22. All sealed sources that are used or obtained shall have been evaluated and approved by the U.S. Nuclear Regulatory Commission under the provisions of section 32.210 of 10 CFR 32 as delineated in OAC 3701-39-021, or an equivalent Agreement State or NARM Licensing State regulation.
23. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
24. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material" as delineated in OAC 3701-39-021.

OHIO DEPARTMENT OF HEALTH  <b>LICENSE FOR RADIOACTIVE MATERIALS</b>  SUPPLEMENTARY SHEET	Page <u>4</u> of <u>4</u>
	License Number: 03219770000
	Bureau Docket Number: CM02-05-01
	Amendment No. Initial

25. Within 30 days of completing activities at each job site location, the licensee shall notify the Ohio Department of Health in writing of the temporary job site status and the disposition of any licensed material used.
26. 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 Ohio Department of Health's statutes, rules, and orders shall govern unless statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated October 20, 2000  
 B. Letter correspondence dated March 28, 2001 and April 13, 2001

For the Ohio Department of Health

DATE:

5/11/01

BY:

*Roguel S. ...*  
 Director, Ohio Department of Health