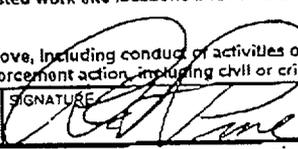
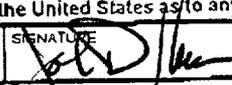


<b>NRC FORM 241</b> <small>(7-1999)</small>		<b>U.S. NUCLEAR REGULATORY COMMISSION</b>		<b>APPROVED BY OMB: NO. 3150-0013</b> <small>Estimated burden per response to comply with this mandatory collection request: 15 minutes. This notification is required so that NRC may schedule inspection of the activities 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-6 EB), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1@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.</small>		<b>EXPIRES: 07/31/2002</b>	
<b>REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES, AREAS OF EXCLUSIVE FEDERAL JURISDICTION, OR OFFSHORE WATERS</b> <small>(Please read the instructions before completing this form)</small>							
<b>1. NAME OF LICENSEE</b> <small>(Person or firm proposing to conduct the activities described below)</small> Pine & Swallow Associates, Inc.		<b>2. TYPE OF REPORT</b> <input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION		<b>3. ADDRESS OF LICENSEE</b> <small>(Mailing address or other location where licensee may be located)</small> 867 Boston Road Groton, MA 01450		<b>4. LICENSEE CONTACT AND TITLE</b> John Swallow, Principal	
		<b>5. TELEPHONE NUMBER</b> <small>(Include Area Code)</small> 978-448-9511		<b>6. FACSIMILE NUMBER</b> <small>(Include Area Code)</small> 978-448-6645			
<b>7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20</b> <input type="checkbox"/> WELL LOGGING <input type="checkbox"/> LEAK TESTING AND/OR CALIBRATIONS <input type="checkbox"/> TELETHERAPY/IRRADIATOR SERVICE <input type="checkbox"/> PORTABLE GAUGES <input checked="" type="checkbox"/> OTHER (Specify) ⇒ <u>Mobile laboratory analysis of soil &amp; water</u> <input type="checkbox"/> RADIOGRAPHY ⇒ REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)							
<b>8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE</b> Delta Environmental 197 First Ave., Suite 100D Needham, MA 02494				<b>9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION</b> <small>(Street and Number or other location. Give as complete an address or directions as possible.)</small> Weyerhaeuser 119 Empire Ave. Meriden, CT			
				<b>10. CLIENT TELEPHONE NUMBER</b> <small>(Include Area Code)</small> 781-433-2620		<b>11. WORK LOCATION TELEPHONE NUMBER</b> <small>(Include Area Code)</small> 203-639-5344	
<b>12. DATES SCHEDULED</b> FROM: 9/18/02    TO: 9/20/02		<b>13. NUMBER OF WORK DAYS</b> 3		<b>14. ADD</b>		<b>15. DELETE</b>	
						<b>16. LOCATION REFERENCE NUMBER</b> NUMBER TO BE ASSIGNED BY NRC 09/022	
<b>17. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED</b> <small>(Include description of type and quantity of radioactive material, sealed sources, or devices to be used.)</small> HP 5890 GC ECD sealed source							
<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 9 ABOVE.</b> <small>(Four copies of the specific license must accompany the initial NRC Form 241.)</small>				<b>LICENSE NUMBER</b> 20-30105-01		<b>STATE</b> MA	
				<b>EXPIRATION DATE</b> 5/31/04			
<b>19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)</b> <b>I, THE UNDERSIGNED, HEREBY CERTIFY THAT:</b>							
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.							
<b>CERTIFYING OFFICER - RSO or Management Representative (Name and Title)</b> Robert Pine, Principal				<b>SIGNATURE</b> 		<b>DATE</b> 9/13/02	
<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 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.</b>							
<b>FOR NRC USE ONLY</b>		<b>REVIEWING OFFICIAL</b> <small>(Typed/Printed Name and Title)</small> John D. Kinnear/Chief		<b>SIGNATURE</b> 		<b>DATE</b> 9.16.2002	
						<b>TOTAL USAGE - DAYS TO DATE</b> 3	

5. 9/16/02



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

April 8, 1996

PINE & SWALLOW ASSOCIATES, INC.  
ATTN: Dr. JOHN C. SWALLOW PH.D.  
Radiation Safety Officer

867 BOSTON ROAD  
GROTON, MA 01450

SUBJECT: ONE-TIME EXTENSION OF LICENSE EXPIRATION DATE  
LICENSE NUMBER 20-30105-01, DOCKET NUMBER 3033382

Dear Dr. JOHN C. SWALLOW PH.D.

On January 16, 1996, the Nuclear Regulatory Commission (NRC) amended its regulations in 10 CFR 30, 40, and 70 to extend the expiration date of certain byproduct, source, and special nuclear material licenses by five years (61 FR 1109). The above referenced license was extended by this rulemaking and will now expire on May 31, 2004. Your license will not be amended to show this extended date until the next routine licensing action. Until then, you may provide copies of this letter to vendors and other interested parties as evidence that the license has been extended as a result of the rule.

The extended license authorizes the same activities and contains the same limitations as it previously did. There will be no change in the frequency that the NRC inspects activities authorized by this license.

The amended rules state that in the case of licensees who are granted extensions and who have a currently pending renewal application for that extended license, the application will be considered withdrawn by the licensee and any renewal fees paid by the licensee for that application will be refunded. This will apply to licenses with expiration dates after July 1, 1995, for which renewal applications and the appropriate fees have been submitted and the renewal is still pending. Refunds will be mailed to licensees under separate cover.

All licensees, including those whose renewal applications were withdrawn by this rulemaking, who wish to change their radiation safety programs must request amendment of their licenses to reflect these changes. Amendment requests must include the correct amendment fee since the NRC cannot apply pending renewal refund balances toward amendment fees.

If you have any questions regarding this letter, please contact the individual below.

John D. Kinneman, Chief Branch 2 - (610) 337-5252

Thank you for your cooperation in this matter.

Sincerely,

A handwritten signature in dark ink, appearing to read "D.A. Cool", written over a horizontal line.

Donald A. Cool, Director  
Division of Industrial and Medical Nuclear Safety  
Office of Nuclear Materials Safety and Safeguards

NRC FORM 374  
(10-89)

U.S. NUCLEAR REGULATORY COMMISSION

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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, 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.

Licensee

1. Pine and Swallow

3. License number 20-30105-01

2. 867 Boston Road  
Groton, Massachusetts 01450

4. Expiration date May 31, 1999

(May 31 2004)

5. Docket or Reference No. 030-33382

6. Byproduct, source, and/or special nuclear material

7. Chemical and/or physical form

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

A. Nickel 63

B. Plated sources or foils (Hewlett Packard Model No. GI223A)

A. Not to exceed 15 millicuries per source and 30 millicuries total

9. Authorized use

A. In electron capture detector cells in a Hewlett Packard Model 5890 gas chromatograph which is distributed under a specific license issued by the U.S. Nuclear Regulatory Commission or any Agreement State.

CONDITIONS

10. A. Licensed material may be used only at the licensee's facilities located at 867 Boston Road, Groton Massachusetts and at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

B. The licensee may not possess and use materials authorized in Items 6, 7, and 8, until: (1) the licensee has constructed the facilities and obtained the equipment described in the application and supporting documentation; and (2) the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406 has been notified in writing that activities authorized by the license will be initiated.

In accordance with the requirements set forth in 10 CFR 30.36(b), 40.42(b), and 70.38(b), the licensee shall promptly notify the Nuclear Regulatory Commission, in writing, of a decision not to complete the facility, acquire equipment, or possess and use authorized material.

11. A. Licensed material shall be used by, or under the supervision of, John C. Swallow.

B. The Radiation Safety Officer for this license is John C. Swallow.

NRC Form 374A  
(5-84)

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 2 OF 3 PAGES

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

20-30105-01

Docket or Reference number

030-33382

12. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed three 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 use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen-3; or
  - (ii) they contain only a radioactive gas; or
  - (iii) the half-life of the isotope is 30 days or less; or
  - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
  - (v) they are not designed to emit alpha particles, 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 or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source or detector cell involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by Nuclear Sources and Service, Inc. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

NRC Form 374A  
(5-84)

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 3 OF 3 PAGES

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

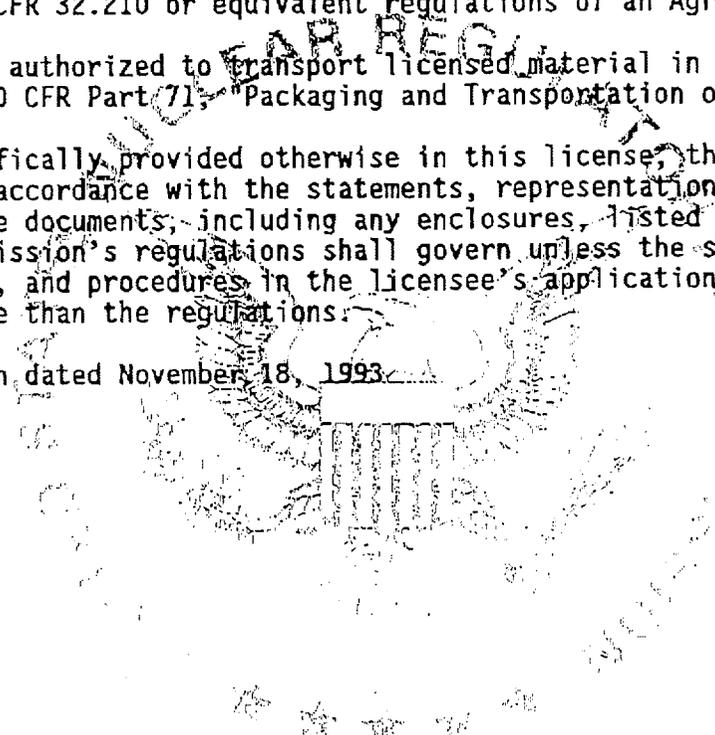
License number

20-30105-01

Docket or Reference number

030-33382

- 13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
- 14. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.
- 15. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.
- 16. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
- 17. 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. Application dated November 18, 1993.



Date APR 28 1994

For the U.S. Nuclear Regulatory Commission

By *Pamela J. Anderson*  
 Nuclear Materials Safety Branch  
 Region I  
 King of Prussia, Pennsylvania 19406