

# PS&R

## *Pennsylvania Soil and Rock Incorporated*

July 5, 2007

USNRC  
Kathy Modes  
475 Allendale Rd.  
King of Prussia, Pa. 19406

*MS16  
P-3*

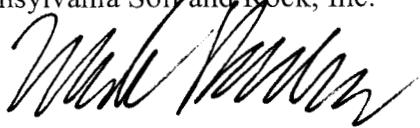
Application for License Renewal  
Pennsylvania Soil and Rock, Inc.  
License No: 37-30385-01

*03034422*

Dear Ms Modes,

Attached please find Pennsylvania Soil and Rock, Inc.'s application (NRC form 313) for renewal of our material license. The application was completed in accordance with NRC regulation and includes the changes that you have requested. Please contact me if you have questions or require additional information with respect to our submittal.

Very truly yours,  
Pennsylvania Soil and Rock, Inc.



Mark Brashear, P.E.  
Radiation Safety Officer

2007 JUL -9 PM 12: 56  
RECEIVED  
REGION 1

*140064*

NMSS/RGN1 MATERIALS-002

570 Beatty Road    Monroeville, PA 15146    412-372-4000

**APPLICATION FOR MATERIAL LICENSE**

**INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.**

|  |  |
|--|--|
| <p><b>APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:</b></p> <p>DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY<br/>         OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS<br/>         U.S. NUCLEAR REGULATORY COMMISSION<br/>         WASHINGTON, DC 20555-0001</p>   | <p><b>IF YOU ARE LOCATED IN:</b></p> <p><b>ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:</b></p> <p>MATERIALS LICENSING BRANCH<br/>         U.S. NUCLEAR REGULATORY COMMISSION, REGION III<br/>         2443 WARRENVILLE ROAD, SUITE 210<br/>         LISLE, IL 60532-4352</p> |
| <p><b>ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:</b></p> <p><b>IF YOU ARE LOCATED IN:</b></p>   | <p><b>ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:</b></p>  |
| <p>ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:</p> <p>LICENSING ASSISTANCE TEAM<br/>         DIVISION OF NUCLEAR MATERIALS SAFETY<br/>         U.S. NUCLEAR REGULATORY COMMISSION, REGION I<br/>         475 ALLENDALE ROAD<br/>         KING OF PRUSSIA, PA 19406-1415</p> | <p>NUCLEAR MATERIALS LICENSING BRANCH<br/>         U.S. NUCLEAR REGULATORY COMMISSION, REGION IV<br/>         611 RYAN PLAZA DRIVE, SUITE 400<br/>         ARLINGTON, TX 76011-4005</p> <p style="text-align: right; font-size: 24pt;"><i>030 34422</i></p>  |

**PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.**

|  |  |
|--|--|
| <p>1. THIS IS AN APPLICATION FOR (Check appropriate item)</p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER</p> <p><input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER <u>37-30385-01</u></p>   | <p>2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)</p> <p>Pennsylvania Soil and Rock, Inc.<br/>         570 Beatty Road<br/>         Monroeville, PA 15146</p> |
| <p>3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p>570 Beatty Road<br/>         Monroeville, PA 15146<br/>         The licensed material will be used at temporary job sites anywhere in the United States where NRC maintains jurisdiction.</p>   | <p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>Mark R. Brashear</p> <p>TELEPHONE NUMBER</p> <p>(412) 372-4000</p>                                      |
| <p>SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.</p>   |  |
| <p>5. RADIOACTIVE MATERIAL</p> <p>a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.</p>   | <p>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED</p>  |
| <p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.</p>  | <p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.</p>   |
| <p>9. FACILITIES AND EQUIPMENT.</p>  | <p>10. RADIATION SAFETY PROGRAM.</p>   |
| <p>11. WASTE MANAGEMENT.</p>   | <p>12. LICENSE FEES (See 10 CFR 170 and Section 170.31)</p> <p>FEE CATEGORY <u>3P</u> AMOUNT ENCLOSED \$ <u>1,200.00</u></p>   |
| <p>13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.</p> <p>THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.</p> <p>WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 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.</p> |  |

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE: **Bernard M. Mihalcin / President**

SIGNATURE: *[Handwritten Signature]*

DATE: **7/5/07**

**FOR NRC USE ONLY**

| TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER | COMMENTS |
|-------------|---------|--------------|-----------------|--------------|----------|
|             |         |              | \$              |              |          |
| APPROVED BY |         |              |                 | DATE         |          |

Attachment to NRC Form 313 "Application For Material License."

Item 5 – Radioactive Material

| <u>RADIONUCLIDE</u> | <u>SEALED SOURCE</u>           | <u>SOURCE ACTIVITY</u> |     | <u>MAX POSSESS.</u> |     |
|---------------------|--------------------------------|------------------------|-----|---------------------|-----|
| a. Am-241:Be        | Troxler A-102451               | 44                     | mCi | 484                 | mCi |
| b. Am-241:Be        | Troxler A-106580               | 44                     | mCi | 88                  | mCi |
| c. Am-241:Be        | AEA Tech. QSA AMN.V977         | 11                     | mCi | 22                  | mCi |
| d. Am-241:Be        | Isotope Products Labs. AM1.NO2 | 44                     | mCi | 88                  | mCi |
| e. Cs-137           | Troxler A-102112               | 9                      | mCi | 99                  | mCi |
| f. Cs-137           | AEA Tech. QSA CDC.805          | 11                     | mCi | 22                  | mCi |
| g. Cs-137           | Isotope Products Labs. HEG-137 | 9                      | mCi | 18                  | mCi |
| h. Am-241:Be        | Troxler A-102113               | 60                     | mCi | 120                 | mCi |

DATA ON REGISTRATION CERTIFICATES

| <u>MANUFAC./DISTRIBUTOR</u> | <u>REGISTRY NO.</u> | <u>MODEL NO.</u>                         |
|-----------------------------|---------------------|--|
| TROXLER ELEC. LABS.         | NC-646-D-130-S      | 3400 Series, 3430, 3440,<br>3450, 3400-M |
|                             | NC-646-D-121-S      | 3411, 3411-B                             |
| INSTROTEK INC.              | NC-1241-D-101-S     | Xplorer 3500                             |

Item 6 – Purposes For Which Licensed Material Will Be Used.

- a. For use in Troxler Models 3400 Series, 3411, 3411-B, 3430, 3440, and 3450 in which these Gauges will be used for the purposes described in their respective SSD Registration Sheets.
- b. For use in Troxler Models 3400 Series, 3430, 3440, and 3450 in which these Gauges will be used for the purposes described in their respective SSD Registration Sheets.
- c. For use in Instrotek Models Xplorer 3500 in which these Gauges will be used for the purposes described in their respective SSD Registration Sheets.
- d. For use in Instrotek Models Xplorer 3500 in which these Gauges will be used for the purposes described in their respective SSD Registration Sheets.
- e. For use in Troxler Models 3400 Series, 3411, 3411-B, 3430, 3440, and 3450 in which these Gauges will be used for the purposes described in their respective SSD Registration Sheets.
- f. For use in Instrotek Models Xplorer 3500 in which these Gauges will be used for the purposes described in their respective SSD Registration Sheets.

Attachment to NRC Form 313 "Application For Material License."

- g. For use in Instrotek Models Xplorer 3500 in which these Gauges will be used for the purposes described in their respective SSD Registration Sheets.
- h. For use in Troxler Models 3400 Series, 3411 and 3411-B in which these Gauges will be used for the purposes described in their respective SSD Registration Sheets

Item 7 - Individual Responsible For Radiation Safety Program And Their Training and Experience.

Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience – Radiation Safety Officer" in NUREG-1556, Vol. 1 Rev 1, Dated November 2001.

Item 10 – RADIATION SAFETY PROGRAM

- 1. The Radiation Safety Officer will be Mark R. Brashear.
- 2. Mr. Brashear has successfully completed Troxler's Nuclear Gauge Safety Training Class and Troxler's Radiation Safety Officer Training Class.

Item 8 – TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

Before using licensed materials, authorized users will have successfully completed one of the training course described in Criteria in the section entitled "Training for individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1 Rev 1, Dated November 2001.

Item 10 – RADIATION SAFETY PROGRAM

10.1 – PERSONNEL MONITORING

The RSO will maintain documentation demonstrating gauge users are not required to be monitored, i.e., are not likely to receive a radiation dose in excess of 10% of the allowable limits.

10.3 – SURVEY INSTRUMENTS

We will either possess and use, or have access to and use, a radiation survey meter that meets the Criteria in the section entitled "Radiation Safety Program – Instruments" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.

10.4 – MATERIALS RECEIPT AND ACCOUNTABILITY

Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.

Attachment to NRC Form 313 "Application For Material License."

10.5 - OCCUPATIONAL DOSIMETRY

We will either maintain, for inspection by the NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20, or we will provide dosimetry processed and evaluated by an NVLAP -- approved processor that is exchanged at a frequency recommended by the processor.

10.6 -- OPERATING AND EMERGENCY PROCEDURES

We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1, dated November 2001, and provide copies of these procedures to all gauge users and at each job site.

10.7 -- SEALED SOURCE LEAK TESTING

1. Leak tests will be performed at intervals not to exceed 6 months.
2. Leak tests will be performed at intervals approved by NRC or an Agreement state and specified in the Sealed Source and Device Registration Sheet. Leak tests will be performed by an organization authorized by the NRC or an Agreement State to provide leak testing services to other licensees or using a leak test kit supplied by an organization authorized by the NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.

10.7 -- MAINTENANCE

1. Routine Cleaning and Lubrication:

We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions. We will also perform electronics upgrades to gauges as part of our maintenance when necessary.

2. Non-Routine Maintenance:

We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.