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|--|--|--|---|---|--|--|---|--|---|------------------------------|
| NRC FORM 313 (03-2013) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40 | U.S. NUCLEAR REGULATORY COMMISSION APPLICATION FOR MATERIALS LICENSE | APPROVED BY OMB: NO. 3150-0120 Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to: InfoCollection.Resource@nrc.gov , and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202, (3150-0120), 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. | | | | | | | | |
| 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. *AMENDMENTS/RENEWALS THAT INCREASE THE SCOPE OF THE EXISTING LICENSE TO A NEW OR HIGHER FEE CATEGORY WILL REQUIRE A FEE. | | | | | | | | | | |
| APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH: OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001 LL35064 | | | | | | | | | | |
| ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS: IF YOU ARE LOCATED IN: ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, ILLINOIS, INDIANA, IOWA, MASSACHUSETTS, 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: * LICENSING ASSISTANCE TEAM DIVISION OF NUCLEAR MATERIALS SAFETY U.S. NUCLEAR REGULATORY COMMISSION, REGION I 2100 RENAISSANCE BOULEVARD, SUITE 100 KING OF PRUSSIA, PA 19406-2713 (28-35064-01) | | | | | | | | | | |
| IF YOU ARE LOCATED IN: ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN. SEND APPLICATIONS TO: MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 Lisle, IL 60532-4352 G2 | | | | | | | | | | |
| ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING. SEND APPLICATIONS TO: NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 1800 E. LAMAR BOULEVARD ARLINGTON, TX 76011-4511 03038642 03121 | | | | | | | | | | |
| 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. | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; vertical-align: top;"> 1. THIS IS AN APPLICATION FOR (Check appropriate item) <input checked="" type="checkbox"/> A. NEW LICENSE <input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____ <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____ </td> <td style="width:50%; vertical-align: top;"> 2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code) S.W. Cole Engineering, Inc. 140 Monadnock Highway, Unit 7 Swanzey, NH 03466 </td> </tr> <tr> <td style="vertical-align: top;"> 3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED Temporary Job Sites in the United States where the NRC maintains jurisdiction </td> <td style="vertical-align: top;"> 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION Alan Brown <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">BUSINESS TELEPHONE NUMBER 6032831046</td> <td style="width:50%;">BUSINESS CELLULAR TELEPHONE NUMBER 8022991306</td> </tr> <tr> <td colspan="2">BUSINESS EMAIL ADDRESS alan.brown@swcole.com</td> </tr> </table> </td> </tr> </table> | | | 1. THIS IS AN APPLICATION FOR (Check appropriate item) <input checked="" type="checkbox"/> A. NEW LICENSE <input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____ <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____ | 2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code) S.W. Cole Engineering, Inc. 140 Monadnock Highway, Unit 7 Swanzey, NH 03466 | 3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED Temporary Job Sites in the United States where the NRC maintains jurisdiction | 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION Alan Brown <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">BUSINESS TELEPHONE NUMBER 6032831046</td> <td style="width:50%;">BUSINESS CELLULAR TELEPHONE NUMBER 8022991306</td> </tr> <tr> <td colspan="2">BUSINESS EMAIL ADDRESS alan.brown@swcole.com</td> </tr> </table> | BUSINESS TELEPHONE NUMBER 6032831046 | BUSINESS CELLULAR TELEPHONE NUMBER 8022991306 | BUSINESS EMAIL ADDRESS alan.brown@swcole.com | |
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| 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. | | | | | | | | | | |
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| 13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT. 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. 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. | | | | | | | | | | |
| CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE Jason G. Richard, CFO | | SIGNATURE DATE 04-16-13 | | | | | | | | |
| FOR NRC USE ONLY | | | | | | | | | | |
| TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER | COMMENTS | | | | | |
| APPROVED BY | | | | DATE | | | | | | |

NRC FORM 313 (03-2013)

580520
NMSS/RGN1 MATERIALS-002

REC R610422 13 PM 07/17

SW Cole Engineering, Inc
 140 Monadnock Highway, Unit 7
 Swanzey, NH 03466
 Tel (603) 283-1046

Application for Nuclear Material License, Items 5 through 11

| ITEMS 5 & 6: MATERIALS TO BE POSSESSED AND PROPOSED USES | | | | | | |
|---|----|---------------|---|---|--|--|
| | NO | Radioisotope | MANUFACTURER/ MODEL NO. | QUANTITY | MOST COMMON USE | SPECIFY OTHER USES NOT LISTED ON SSD CERTIFICATE |
| | 6 | Cesium-137 | Sealed sources in compatible gauges as specified in Sealed Source and Device Registration Sheet | Not to exceed maximum activity per source as specified in Sealed Source and Device Registration Sheet | Measure Physical Properties of Materials | [X] Not applicable ----- [] Uses are: |
| | 6 | Americium-241 | Sealed neutron sources in compatible gauges as specified in Sealed Source and Device Registration Sheet | Not to exceed maximum activity per source as specified in Sealed Source and Device Registration Sheet | Measure Physical Properties of Materials | [X] Not applicable ----- [] Uses are: |

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Application for Nuclear Material License, Items 5 through 11

**ITEMS 7 THROUGH 11: TRAINING AND EXPERIENCE, FACILITIES AND
EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE DISPOSAL**

| ITEM NO. AND TITLE | RESPONSE | ALTERNATIVE PROCEDURES ATTACHED |
|---|---|--|
| 7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE - RADIATION SAFETY OFFICER | 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, dated May 1997. | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Name: _Alan Brown | AND Before being named as the RSO , future RSOs 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, May 1997. | |
| 8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS | Before using licensed materials, authorized users will have successfully completed one of the training courses described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, dated May 1997. | <input checked="" type="checkbox"/> <input type="checkbox"/> |

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| | | |
|---|--|--|
| 9. FACILITIES AND EQUIPMENT | No information needs to be submitted in response to this item; key issues are addressed under "Radiation Safety Program - Public Dose" and "Radiation Safety Program - Operating and Emergency Procedures". | Separate Item 9 Response Need Not Be Submitted With Application |
| 10. RADIATION SAFETY PROGRAM - AUDIT PROGRAM | The applicant is not required to, and should not, submit its audit program to the NRC for review during the licensing phase. | Need Not Be Submitted With Application |
| 10. RADIATION SAFETY PROGRAM - TERMINATION OF ACTIVITIES | The applicant is not required to submit a response to the termination of activities section during the initial application. However, when the license expires or at the time the licensee ceases operations, NRC Form 314 must be submitted. | Need Not Be Submitted With Application |
| 10. RADIATION SAFETY PROGRAM - 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, dated May 1997, in the event of an incident. | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 10. RADIATION SAFETY PROGRAM - MATERIAL 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. | <input checked="" type="checkbox"/> <input type="checkbox"/> |

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Application for Nuclear Material License, Items 5 through 11

**10. RADIATION
SAFETY PROGRAM -
OCCUPATIONAL
DOSIMETRY**

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

☒ ☐

**10. RADIATION
SAFETY PROGRAM -
PUBLIC DOSE**

The applicant is **not** required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.

Need Not Be
Submitted With
Application

**10. RADIATION
SAFETY PROGRAM -
OPERATING &
EMERGENCY
PROCEDURES**

We will implement and maintain the operating and emergency procedures in *Appendix H* of NUREG-1556, Vol. 1, dated May 1997, and provide copies of these procedures to all gauge users and at each job site.

☒ ☐

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Application for Nuclear Material License, Items 5 through 11

**10. RADIATION
SAFETY PROGRAM -
LEAK TEST**

Leak tests will be performed at intervals approved by the **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 **NRC** or an Agreement State to provide leak testing services for other licensees or using a leak test kit supplied by an organization authorized by **NRC** or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.

[X]

[]

The information in *Appendix J* supporting a request to perform leak testing and sample analysis is attached.

**10. RADIATION
SAFETY PROGRAM -
MAINTENANCE**

**ROUTINE CLEANING &
LUBRICATION**

We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.

[X]

[]

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.

[X]

[]

The information listed in *Appendix G* supporting a request to perform non-routine maintenance in-house is attached.

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Application for Nuclear Material License, Items 5 through 11

**10. RADIATION
SAFETY PROGRAM -
TRANSPORTATION**

The applicant is **not** required to submit its response to transportation during the licensing process. However, this issue will be reviewed during inspection.

**Need Not Be Submitted
With Application**

**11. WASTE
MANAGEMENT -
GAUGE DISPOSAL
&TRANSFER**

The applicant is **not** required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.

**Need Not Be Submitted
With Application**

This is to acknowledge the receipt of your letter application dated

4-16-13, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Docket # 03038642
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 580520.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader