

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Castlerock Engineering **License No.:** 25-29229-01
Docket No.: 030-37201 **Mail Control No.:** 470971
Type of Action: [X] New [] Amend [] Renewal **Date of Requested Action:** 04-24-06
[] Termination [] Notification

Reviewer Assigned: **ARM reviewer(s):** Torres/Cook

Response	Deficiencies Noted During Acceptance Review
	1. <input checked="" type="checkbox"/> Open ended possession limits. <u>Submit inventory</u> Limit possession. <input type="checkbox"/> Inform licensee that we are limiting possession limits. <input type="checkbox"/> Ask the licensee if they have any type-amount of EPC Act Material.
	2. Confirm temporary job site use.
	3. <i>Reviewer: Complete Steps 1, 2, 3 of Pre-Licensing Guidance</i>

Reviewer's Initials: _____

Date: _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Request for unrestricted use for Group 2 or higher category should be transferred by memo to FCDB within 10 days of receipt.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Decommissioning notification should be completed within 30 days.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Termination request < 90 days from date of expiration
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TAR needed to complete action.

Branch Chief's and/or Sr. HP's Initials: _____ **Date:** _____

SUNSI Screening according to RIS 2005-31

Yes No **Non-Publicly Available, Sensitive** if any item below is checked

General guidance:

- _____ RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
- _____ Exact location of RAM (whether = or > than Category 3 or not)
- _____ Design of structure and/or equipment (site specific)
- _____ Information on nearby facilities
- _____ Detailed design drawings and/or performance information
- _____ Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

- _____ RAM quantities and inventory
- _____ Manufacturer's name and model number of sealed sources & devices
- _____ Site drawings with exact location of RAM, description of facility
- _____ RAM security program information (locks, alarms, etc.)
- _____ Emergency Plan specifics (routes to/from RAM, response to security events)
- _____ Vulnerability/security assessment/accident-safety analysis/risk assess
- _____ Mailing lists related to security response

Branch Chief's and/or Sr. HP's Initials: *RT* **Date:** *5/3/06*

Estimated burden per response to comply with this mandatory collection request: 7 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 Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE0B-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.

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.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

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:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

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

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:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

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.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER _____
- C. RENEWAL OF LICENSE NUMBER _____

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

Castlerock Engineering
1114 E. Babcock St.
Bozeman, MT 59715

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

1114 E. Babcock St.
Bozeman, MT 59715

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Andy Pilskalns

TELEPHONE NUMBER

(406) 539-8439

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

5. RADIOACTIVE MATERIAL
a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE

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

9. FACILITIES AND EQUIPMENT

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY LB AMOUNT ENCLOSED \$ 500.00

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

SIGNATURE

DATE

Andy Pilskalns - Owner - Engineer PE

[Signature]

4-24-06

FOR NRC USE ONLY

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

NRC FORM 313
APPLICATION FOR MATERIAL LICENSE

Items 5 and 6: Materials to be Possessed and Proposed Uses

Radioisotope	Manufacturer and Model No.	Quantity	Use
Cesium-137	Troxler Electronic Labs. Inc. Moisture and Surface Density Gauges – Model Nos. 3411 & 3430	Not to exceed either the Maximum activity per device as specified in the Sealed Source and Device Registration Certificate Nos: NC646D121S and NC646D130S or a total of 24 milliCuries.	Use as listed on the Certificate to measure physical properties of materials.
Americium-241	Troxler Electronic Labs. Inc. Moisture and Surface Density Gauges – Model nos. 3411 & 3430	Not to exceed either the Maximum activity per device as specified in the Sealed Source and Device Registration Certificate Nos: NC646D121S and NC646D130S or a total of 120 milliCuries.	Use as listed on the Certificate to measure physical properties of materials.
Cesium-137	CPN International, Inc. Neutron Soil Density and Moisture Gauge, Model MC Series PORTAPREBEB	Not to exceed either the Maximum activity per device as specified in the Sealed Source and Device Registration Certificate Nos: CA0208D102S or a total of 30 milliCuries.	Use as listed on the Certificate to measure physical properties of materials.
Americium-241	CPN International, Inc. Neutron Soil Density and Moisture Gauge, Model MC Series PORTAPREBEB	Not to exceed either the Maximum activity per device as specified in the Sealed Source and Device Registration Certificate Nos: CA0208D102S or a total of 150 milliCuries.	Use as listed on the Certificate to measure physical properties of materials.

Items 5 and 6: Materials to be Possessed and Proposed Uses (cont'd)

Cesium-137	Humboldt Scientific, Inc. Moisture/Density Gauge, Model 5001	Not to exceed either the Maximum activity per device as specified in the Sealed Source and Device Registration Certificate Nos: NC356D101S or a total of 33 milliCuries.	Use as listed on the Certificate to measure physical properties of materials.
Americium-241	Humboldt Scientific, Inc. Moisture/Density Gauge, Model 5001	Not to exceed either the Maximum activity per device as specified in the Sealed Source and Device Registration Certificate Nos: NC356D101S or a total of 33 milliCuries.	Use as listed on the Certificate to measure physical properties of materials.
Radium-226	Seaman Nuclear Corporation Portable Moisture and Density Gauge, Model C-300 Series	Not to exceed either the Maximum activity per device as specified in the Sealed Source and Device Registration Certificate Nos: NR-0587-D-104-S or a total of 5.5 milliCuries.	Use as listed on the Certificate to measure physical properties of materials.

Items 7 through 11: Training and Experience, Facilities and Equipment, Radiation Safety Program, and Waste Disposal

Item No. and Title	Response
7. Individuals responsible for the Radiation Safety Program and Their Training and Experience - Radiation Safety Officer – <u>Andrew Pilskalns</u>	Mr. Andrew Pilskalns graduated from Montana State Univ. in 1973 with a B.S. in Civil Engineering and has been employed in soil engineering since that time. He has been trained as an NDG user for 10 years and has used these devices working for C & H Engineering since that time. He has recently been trained as an RSO on 3/29/2006 in accordance with the 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
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

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 NRC for review during the licensing phase. However, we will develop and administer an audit program consistent with the suggested audit program in Appendix F.	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 when the licensee ceases operation, 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 NREG-1556, Vol. 1, Rev. 1, dated November 2001.	
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.	
10. Radiation Safety Program –Occupational Dosimetry	We will provide personnel dosimetry processed and evaluated by an 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 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. Radiation Safety Program – Leak Test	Leak tests will be performed at intervals approved by NRC and specified in the Sealed Source and Device Registration	Leak testing and sample analysis will be

	Sheet No. NC646D121S. Leak tests will be performed by an organization authorized by NRC and agreement States to provide leak testing services for other licensees.	performed using the information in Appendix J.
10. Radiation Safety Program – Maintenance	<p>We will implement and maintain procedures for routine maintenance of our gauges according to the manufacturer's recommendations and instruction.</p> <p>We will send the gauge to the manufacturer or other person/organization authorized by NRC to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.</p>	Non-routine maintenance will not be performed by the licensee
10. Radiation Safety Program – Transportation	The applicant is not required to submit its response to transportation during the licensing process. This issue will be reviewed during inspection.	Need Not Be Submitted With Application.
11. Waste Management – Gauge Disposal and Transfer	The applicant is not required to submit a response to waste management during the licensing process. However, the licensee will develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.	Need Not Be submitted With Application.

MAY 10 2006

DATE

This is to acknowledge the receipt of your letter/application dated 4-24-06, and to inform you that the initial processing, which includes an administrative review, has been performed.

There were no administrative omissions. Your application will be 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:

The action you requested is normally processed within 90 days.

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 470971.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,

Colleen Murashan

Licensing Assistant

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LEMS USE)
INFORMATION FROM LTS

Program Code: 3
Status Code: _____
Fee Category: _____
Exp. Date: 0
Fee Comments: _____
Decom Fin Assur Req'd: _____

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
Applicant/Licensee: CASTLEROCK ENGINEERING
Received Date: 20060427
Docket No.: 3037201
Control No.: 470971
License No.:
Action Type: New Licensee

2. FEE ATTACHED \$ 500.00
Amount:
Check No.: 1243

3. COMMENTS
Signed [Signature]
Date 8-21-06

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / __/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:
Amendment _____
Renewal _____
License _____

3. OTHER _____
Signed _____
Date _____