



River Rouge Operation

August 13, 2014

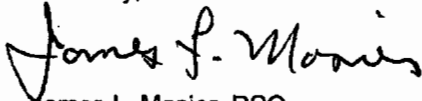
Sara A. B. Forster, Health Physicist
U. S. Nuclear Regulatory Commission, Region III
2443 Warren Road
Suite 210
Lisle, Ill 60532-4352

Re: License No. 21-32513-01 Control Number 583738

Dear Ms. Forster;

The NRC license, 21-32513-01, for Carmeuse Lime & Stone- River Rouge Operations, located at 25 Marion Ave., River Rouge, Michigan 48218, needs renewal. Enclosed you will find materials requested to facilitate the license renewal application.

Sincerely,


James L. Mosier, RSO



**APPLICATION FOR MATERIALS
LICENSE**

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 FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to Infocollections.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-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

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, 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

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
2449 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4362

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
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511

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 21-32513-01

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

Carmeuse Lime & Stone
25 Marion Ave.
River Rouge, MI 48218

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

25 Marion Ave
River Rouge, MI 48218

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

James L. Mosier

BUSINESS TELEPHONE NUMBER
(313) 849-9268

BUSINESS CELLULAR TELEPHONE NUMBER
(313) 303-0178

BUSINESS EMAIL ADDRESS
james.mosier@carmeusena.com

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.

6. 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.

8. 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.

8. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (Fees required only for new applications, with few exceptions*) (See 10 CFR 170 and Section 170.31)

FEE CATEGORY AMOUNT ENCLOSED \$

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, 37, 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 02 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

Andy Blisko Site Operations Manager

SIGNATURE

Andy Blisko

DATE

8/14/14

FOR NRC USE ONLY

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

Table B.1 Items 5 & 6: Materials to Be Possessed and Proposed Uses

Yes	No	Radioisotope	Manufacturer or Distributor Model Number	Quantity	Use as listed on SSD Certificate	Specify Other Uses Not Listed on SSD
		Cs-137	Sealed source manufacturer or distributor and model number: <u>OHMART SH-100</u> Device manufacturer or distributor and model number: <u>OHMART Model A-2102</u>	Not to exceed either the maximum activity per device as specified in sealed source and Device Registration Certificate	Yes [X] Specific description of the gauge use: <u>The gauges are used as lime cooler level controllers.</u>	[x] Not applicable
		Cs-137	Sealed source manufacturer or distributor and model number: <u>Berthold Model LB 300 Series LP</u> Device manufacturer or distributor and model number: <u>Berthold Model LB 300 Series LP</u>	Not to exceed either the maximum activity per device as specified in sealed source and Device Registration Certificate	Yes [X] Specific description of the gauge use: <u>The gauges are used as lime cooler level controllers.</u>	[x] Not applicable
		Co-60	Sealed source manufacturer or distributor and model number: <u>Berthold Model LB 300 Series LP</u> Device manufacturer or distributor and model number: <u>Berthold Model LB 300 Series LP</u>	Not to exceed either the maximum activity per device as specified in sealed source and Device Registration Certificate	Yes [X] Specific description of the gauge use: <u>The gauges are used as lime cooler level controllers.</u>	[x] Not applicable

Nuclear Source Inventory
River Rouge Operations
August 13, 2014

Re: License No. 21-32513-01 Control No. 583738

SOURCE & LOCATION	SERIAL #	RADIOISOTOPE	ACTIVITY
OHMART MOD. A-2102 PRIMARY COOLER #1 KILN RIVER ROUGE OPERATIONS	68184	Cs-137	100 mCi
OHMART MOD. A-2102 PRIMARY COOLER #2 KILN RIVER ROUGE OPERATIONS	73799	Cs-137	100 mCi
BERTHOLD LB300 SERIES L IN STORAGE	007/06 Model # Cs7.PO2 In a LB300LP Shield S/N 17493-10138	Cs-137	1000 mCi
BERTHOLD LB300 SERIES L IN STORAGE	008/06 Model # Cs7.PO2 In a LB300LP shield S/N 17493-10139	Cs-137	1000 mCi
BERTHOLD LB300 SERIES L IN STORAGE	88-01-08 Model # LB8920 in a LB300L shield S/N 17729-1186-10002	Cs-137	20 mCi
BERTHOLD LB300 SERIES L IN STORAGE	89-01-08 Model # P2608- 100 ina LB 300L shield, S/N 15951-0689-10004	Co-60	4.05 mCi



August 13, 2014

Re: License No. 21-32513-01 Control No. 583738

Delegation of Authority and Memorandum of Understanding for RSO Duties

The Radiation Safety Officer (RSO) at Carmeuse Lime and Stone, River Rouge Operations, is appointed by and directly reports to the River Rouge Site Operation Manager for all Radiation Safety Officer (RSO) responsibilities.

Radiation Safety Officer (RSO) responsibilities include record keeping, inventory of sources every six months, testing of source shutters for proper operation every six months, leak test performed on all sources on site every three years and annual audits of the local radiation safety program. The RSO shall monitor the plant for unsafe radiological safety procedures and ensure the physical security of nuclear sources listed in the site license. The RSO shall train new employees and conduct periodic refresher training in radiological safety. The RSO will ensure that all applicable rules, procedures and directions of NUREG-1556 Vol. 4 as denoted in the site Materials License are followed.

Signed,

A handwritten signature in black ink that reads 'Andy Blake'.

Andy Blake
Site Operations Manager
River Rouge Operations

Table B.2 Items 7 Through 11: Training & Experience, Facilities and Equipment, Radiation Safety Program, and Waste Disposal

Item No. and Title	Response	Yes	Alternate Procedures Attached
7.1 Radiation Safety Officer <u>James L. Mosier</u>	Before obtaining licensed materials, the proposed RSO will have successfully completed the training 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 4, dated October 1998.	[x]	[]
7.2 Authorized Users	Before using licensed materials, authorized users will have successfully completed the training described in Criteria in the section entitled, "Authorized Users" in NUREG-1556, Vol. 4, Dated October 1998.	[x]	[]
9. Facilities and Equipment	We will ensure that the location of each fixed gauge meets the Criteria in the Section entitled "Facilities and Equipment" in NUREG-1556, Vol 4, dated October 1998.	[x]	[]
10. Radiation Safety Program - Survey Instruments	Surveys pursuant to 10 CFR 20.1501 will be performed by a person specifically authorized by the NRC or an Agreement State to perform these surveys or We will use instruments that meet the Criteria in the section entitled "Radiation Safety Program - Instruments," in NUREG-1556, Vol 4, dated August 1998, and one of the following:	[x]	[]

Continued Next Page

Table B.2 Items 7 Through 11: Training & Experience, Facilities and Equipment, Radiation Safety Program, and Waste Disposal

Item No. and Title	Response	Yes	Alternate Procedures Attached
10. Radiation Safety Program - Survey Instruments	<p>Each survey meter will be calibrated by the manufacturer or other person authorized by the NRC or an Agreement State to perform survey meter calibrations.</p> <p style="text-align: center;">or</p> <p>We will implement the model survey instrument calibration program in Appendix I to NUREG-1556, Vol 4, dated October 1998</p>		
10. Radiation Safety Program - Material Receipt and Accountability	Physical inventories will be conducted at intervals not to exceed 6 months or at other intervals approved by the NRC, to account for all sealed sources and devices received and possessed under the license.	[x]	[]
10. Radiation Safety Program - Occupational Dosimetry	We will perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry that meets the Criteria in the section entitled "Radiation Safety Program-Occupational Dosimetry," in NUREGS-1556, Vol. 4, dated October, 1998.	[x]	[]

Table B.2 Items 7 Through 11: Training & Experience, Facilities and Equipment, Radiation Safety Program, and Waste Disposal

Item No. and Title	Response	Yes	Alternate Procedures Attached
<p>10. Radiation Safety Program - Operating & Emergency Procedures</p>	<p>If the gauge meets one or more of the safety conditions specified in "Discussion," in the section entitled "Radiation Safety Program- Operating Emergency Procedures," in NUREG 1556, Vol. 4, dated August 1998 state the following:</p> <p>Operating and emergency procedures will be developed, implemented, maintained, and distributed, and will meet the Criteria in the section entitled "Radiation Safety Program- Operating and Emergency Procedures," in NUREG1556, Vol. 4 dated August 1998.</p>	<p>[x]</p>	<p>[]</p>
<p>10. Radiation Safety Program - Leak Test</p>	<p>Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the Sealed Source and Device Registration Certificate. Leaks 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.</p>	<p>[x]</p>	<p>[]</p>

Table B.2 Items 7 Through 11: Training & Experience, Facilities and Equipment, Radiation Safety Program, and Waste Disposal

Item No. and Title	Response	Yes	Alternate Procedures Attached
<p>10. Radiation Safety Program - Maintenance</p>	<p>Routine Maintenance: We will implement and maintain procedures for routine maintenance of our fixed gauges according to each manufacturers's or distributors's written recommendations and instructions.</p> <p>Non-routine Maintenance Operations: The gauge manufacturer, distributor or other persons authorized by NRC or an Agreement State will perform non-routine operations such as installation, initial radiation survey, repair and maintenance of componets related to the radiological safety of the sealed sources, alignment, or removal of a gauge from service.</p>	<p>[x]</p>	<p>[]</p>
<p>10. Radiation Safety Program - Fixed Gauges Used at Temporary Job Sites</p>	<p>This is not applicable to our program. We do not use fixed gauges at temporary job sites.</p>	<p>[] Not Applicable</p>	<p>[]</p>

Forster, Sara

From: Mosier James <James.Mosier@carmeusena.com>
Sent: Thursday, August 14, 2014 12:04 PM
To: Forster, Sara
Cc: Blake Andy
Subject: Control 583738
Attachments: Control 583738 Carmeuse License Renewal.pdf

Importance: High

Ms. Forster,

Re: Control No. 583738

Attached to this email is the renewal application for the Material License at Carmeuse, River Rouge Operations. The best way to contact me is via my cell phone listed in the signature below. The suggested format you sent to me helped very much in the preparation of the application.

Thanks,

Jim

.....

James Mosier
Maintenance Planner

Carmeuse Lime & Stone
River Rouge
25 Marion Avenue
P.O. Box 18118
River Rouge, Michigan 48218

Phone: 313.849.9268 Ext. 233 / Fax: 313.841.9740 / Cell: 313.303.0178
Visit www.carmeusena.com



NATURAL SOLUTIONS