

(03-2013)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40



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 Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.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

RECEIVED
OCT 21 2014
DNMS

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, 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 25-21320-01

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

Sidney Sugars Inc. 35140 County Road 125 Sidney, Montana 59270

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Sidney Sugars Inc. 35140 County Road 125 Sidney, Montana 59270

PUBLIC
 Immediate Release
 Normal Release

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Richard Carlson, Radiation Safety Officer

BUSINESS TELEPHONE NUMBER: 406-433-9334 Inst. Shop
BUSINESS CELLULAR TELEPHONE NUMBER: _____

BUSINESS EMAIL ADDRESS: racarlso@crystalsugar.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.

5. RADIOACTIVE MATERIAL
a. Element and mass number, chemical and/or physical form; and c. maximum amount which will be possessed at any one time.
 A. A Sensitive Security Related
 A.7 Sensitive Internal

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 (Fees required only for new applications, with few exceptions*) (See 10 CFR 170 and Section 170.31)
Reviewer: HWZ Date: 10-28-14

FEE CATEGORY: "3P" AMOUNT ENCLOSED \$ \$0 (zero dollars)

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

David Garland, General Manager

DAVID H. GARLAND
GENERAL MANAGER

SIGNATURE

[Handwritten Signature]

DATE

10/16/2014

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	No. 585120



October 16, 2014

Subject: Application for Materials License
NRC FORM 313
ATTACHMENT COVERING ITEMS 5 – 11

5. RADIOACTIVE MATERIAL

- | | |
|---------------|--|
| A. Cesium-137 | Sealed Sources (Ohmart Corporation Model A-2102)
250 millicuries per source and 250 millicuries total |
| B. Cesium-137 | Sealed Sources (Ohmart Corporation Model A-2102)
50 millicuries per source and 100 millicuries total |

6. PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED.

Materials used in Level Indication Applications

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

- Mr. Richard Carlson Radiation Safety Officer **LEAD**
- Mr. Cody Hochhalter Radiation Safety Officer **ASSISTANT**
- Mr. Wade Hartle Radiation Safety Officer **ASSISTANT**
- Mr. Craig Dunn Radiation Safety Officer **ASSISTANT**
- Mr. Neil Roberts Radiation Safety Officer **ASSISTANT**

Attached are Copies of Certificate of Completion for the 40 hour technical short course conducted in Sidney, Montana, May 21, 2012 – May, 25, 2012.

7.1 RADIATION SAFETY OFFICER : Mr. Richard Carlson **LEAD**

7. INDIVIDUALS RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE

7.2 AUTHORIZED USERS

- Before using licensed materials, authorized users will have successfully completed one of the training courses described in the “Criteria” part of the section entitled “Authorized Users” in the current version of NUREG-1556, Volume 4, “Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Fixed Gauge Licenses.”

8. TRAINING FOR INDIVIDUALS WHO IN THE COURSE OF EMPLOYMENT ARE LIKELY TO RECEIVE OCCUPATIONAL DOSES OF RADIATION ON EXCESS OF 1mSv (100 mrem) in a year (Occupationally exposed Workers) and Ancillary Personnel

- The applicant is NOT required to, and should not, submit its training program for individuals who in the course of employment are likely to receive occupational doses of radiation in excess of 1mSv (100 mrem) in a year (occupationally exposed workers) and ancillary personnel to the NRC for review during the licensing phase.

9. Facilities and Equipment

- We will ensure that the location of each fixed gauge meets the criteria in Section 8.9 “Facilities and Equipment, “ in the current version of NUREG-1556, Volume 4, “Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Fixed Gauge Licenses.”

10. RADIATION SAFETY PROGRAM- AUDIT PROGRAM

- Applicant is NOT required to , and should not , submit its audit program to NRC for review during the licensing phase. The audit program will be reviewed during NRC inspections.

10. RADIATION SAFETY PROGRAM- INSTRUMENTS

- We will use instruments that meet the criteria in Section 8.10.2, “ Instruments, “ in the current version of NUREG-1556, volume 4, “ Consolidated Guidance about Materials Licenses: Program- specific Guidance about fixed Gauge Licenses” and one of the following

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.

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.

10. RADIATION SAFETY PROGRAM- OCCUPATIONAL DOSE

- We will maintain, for inspection by the NRC, documentation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20.

10. RADIATION SAFETY PROGRAM- PUBLIC DOSE

- The applicant is NOT required to submit a response to the public dose section in a license application. This matter will be examined during NRC inspections.

10. RADIATION SAFETY PROGRAM- OPERATING AND EMERGENCY PROCEDURES

- If the gauge meets one or more of the safety conditions specified in the “Discussion” part of Section 8.10.6, “Operating and Emergency Procedures,” in the current version of NUREG-1556, Volume 4, “Consolidated Guidance about Materials Licenses: Program-specific Guidance about Fixed Gauge Licenses,” Operating, emergency, and security procedures will be developed, implemented, maintained, and distributed, and will meet the criteria in Section 8.10.6, “Operating and Emergency Procedures,” in the current version NUREG-1556, Volume 4.

10. RADIATION SAFETY PROGRAM- LEAK TESTS

- Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the SSD registration certificate. 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. RADIATION SAFETY PROGRAM- MAINTENANCE

- **ROUTINE MAINTENANCE**

We will implement and maintain procedures for routine maintenance of our fixed gauges according to each manufacture’s or distributor’s written recommendations and instructions.

- **NONROUTINE MAINTENANCE OPERATIONS**

The gauge manufacturer, distributor, or other person authorized by the NRC or an Agreement State will perform nonroutine operations, such as installation, initial radiation survey, repair and maintenance of radiological safety components, relocation, replacement, alignment, removal from service and disposal of sealed sources.

10. RADIATION SAFETY PROGRAM- TRANSPORTATION

- The applicant is NOT required to submit its response about transportation during the licensing process. This issue will be reviewed during NRC inspections.

10. RADIATION SAFETY PROGRAM- FIXED GAUGES USED AT TEMPORARY JOB SITES

- We will not use fixed gauges at temporary job sites.

10. RADIATION SAFETY PROGRAM- SECURITY PROGRAM

- Licensees must ensure the security and control of licensed material. The regulations in 10 CFR 20.1801 and 20.1802 require licensees to secure radioactive materials from unauthorized removal or access while in storage and to control and maintain constant surveillance over licensed material that is not in storage.

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.

Prepared by: *Don Badt*
Safety/Training Manager
Sidney Sugars Inc.



Reviewed by; *Richard Carlson*
Radiation Safety Officer
Sidney Sugars Inc.



Richard Carlson

Has successfully completed the 40 hour technical short course entitled

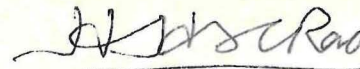
Radiation Safety Officer

May 21, 2012 – May 25, 2012

This certificate presented in Sidney, Montana, May 25, 2012

By Nevada Technical Associates, Inc.

Approval codes for C.E. units are: ASRT 30.5 units: NVZ0146001, AAHP 32 units: 2008-00-005, ABIH 4.5 units: 08-1362



Hermon Rao

Instructor

Certificate Number: 1337583605

Cody Hochhalter

Has successfully completed the 40 hour technical short course entitled

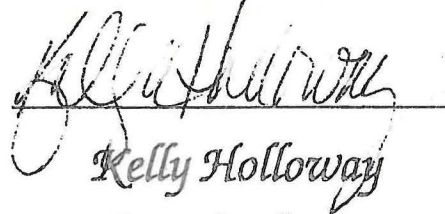
Radiation Safety Officer

May 21, 2012 – May 25, 2012

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By Nevada Technical Associates, Inc.

Approval codes for C.E. units are: ASRT 30.5 units: NVZ0146001, AAHP 32 units: 2008-00-005, ABIH 4.5 units: 08-1362



Kelly Holloway

Course Coordinator

Certificate Number: 1337583608

Wade Hartle

Has successfully completed the 40 hour technical short course entitled

Radiation Safety Officer

May 21, 2012 – May 25, 2012

This certificate presented in Sidney, Montana, May 25, 2012

By Nevada Technical Associates, Inc.

Approval codes for C.E. units are: ASRT 30.5 units: NVZ0146001, AAHP 32 units: 2008-00-005, ABIH 4.5 units: 08-1362



Hermon Rao

Instructor

Certificate Number: 1337583602

Craig Dunn

Has successfully completed the 40 hour technical short course entitled

Radiation Safety Officer

May 21, 2012 – May 25, 2012

This certificate presented in Sidney, Montana, May 25, 2012

By Nevada Technical Associates, Inc.

Approval codes for C.E. units are: ASRT 30.5 units: NVZ0146001, AAHP 32 units: 2008-00-005, ABIH 4.5 units: 08-1362



Hermon Rao

Instructor

Certificate Number: 1337583603

Neil Roberts

Has successfully completed the 40 hour technical short course entitled

Radiation Safety Officer

May 21, 2012 – May 25, 2012

This certificate presented in Sidney, Montana, May 25, 2012

By Nevada Technical Associates, Inc.

Approval codes for C.E. units are: ASRT 30.5 units: NVZ0146001, AAHP 32 units: 2008-00-005, ABIH 4.5 units: 08-1362



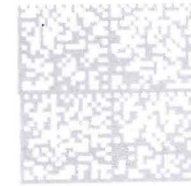
Hermon Rao

Instructor

Certificate Number: 1337583609

ney Sugars
RATED

County Road 125
MT 59270



016H26508168

Hasler

\$0 1.400

10/16/2014

Mailed From 59270
US POSTAGE

RECEIVED
OCT 21 2014

DNMS

OCT 21 2014

US Nuclear Regulatory Commission
Attn: Carol Hill
1600 E Lamar Blvd
Arlington, TX 76011-4511



DATE
10/23/2014

NAME AND ADDRESS OF APPLICANT AND/OR LICENSEE

Richard Carlson, Radiation Safety Officer
Sidney Sugars Incorporated
35140 County Road 125
Sidney, MT 59270

LICENSE NUMBER

25-21320-01

MAIL CONTROL NUMBER

585120

LICENSING AND/OR TECHNICAL REVIEWER

CH

This is to acknowledge the receipt of your:

LETTER and/or APPLICATION DATED: 10/16/2014

The initial processing, which included an administrative review, has been performed.

AMENDMENT TERMINATION NEW LICENSE RENEWAL

- There were no administrative omissions identified during our initial review.
- This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.
- Your application for a new NRC license did not include your taxpayer identification number. Please fill out NRC Form 531, located at the following link:

<http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>

Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387

A copy of your action has been emailed to our License Fee and Accounts Receivable Branch, in our Headquarters office in Rockville, MD. You will be contacted separately if there is a fee issue involved.

Your application has been assigned the above listed **MAIL CONTROL NUMBER**. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region IV
U. S. Nuclear Regulatory Commission
DNMS/NMSB - B
1600 E. Lamar Boulevard
Arlington, TX 76011-4511
(817) 200-1103 or (817) 200-1140

✓ 10/23

BETWEEN:

Accounts Receivable/Payable
and
Regional Licensing Branches

[FOR ARPB USE]
INFORMATION FROM WBL

Program Code: 03120
Status Code: Pending Renewal
Fee Category: 3P
Exp. Date:
Fee Comments:
Decom Fin Assur Req: N

License Fee Worksheet - License Fee Transmittal

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: SIDNEY SUGARS INCORPORATED
Received Date: 10/21/2014
Docket Number: 3020494
Mail Control Number: 585120
License Number: 25-21320-01
Action Type: Renewal

2. FEE ATTACHED

Amount: _____

Check No.: _____

3. COMMENTS

Signed: Carl L. Heie

Date: 10/23/14

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: _____