

Hill, Carol

From: Hammond, Michelle
Sent: Wednesday, August 03, 2016 3:27 PM
To: Hill, Carol
Subject: FW: Amendment Request (License No. 42-35224-01)
Attachments: NRC Amendment Request 8-3-16.pdf

Hi Carol,

Please set up the attached Licensing Amendment.

Thanks.
Michelle Hammond

From: Lane Watts [mailto:lane.watts@shawcor.com]
Sent: Wednesday, August 03, 2016 3:24 PM
To: Hammond, Michelle <Michelle.Hammond@nrc.gov>
Cc: Shane McPherson <shane.mcpherson@shawcor.com>
Subject: [External_Sender] Amendment Request (License No. 42-35224-01)

Ms. Hammond,

Attached is an amendment request for our company's license (42-35224-01). If you have any questions or need additional information, please let me know, or you may contact Shane McPherson at (325) 437-1093 or by e-mail at shane.mcpherson@shawcor.com.

Thank You,

LANE WATTS

Asst. Corporate RSO – Inspection Services



Shawcor
6849 Interstate 20 Frontage Road
Abilene, TX 79601 United States
o +1 325 437 1093 m +1 325 668 3460
e lane.watts@shawcor.com
shawcor.com

PUBLIC

- ☐ Immediate Release
☒ Normal Release

NON-PUBLIC

- ☐ A.3 Sensitive-Security Related
☐ A.7 Sensitive Internal
☐ Other: _____

Reviewer: ATC Date: 8/17/16

PUBLIC

- ☐ Immediate Release
☐ Normal Release

NON-PUBLIC

- ☐ A.3 Sensitive-Security Related
☐ A.7 Sensitive Internal
☐ Other: _____

Reviewer: _____ Date: _____



August 3, 2016

United States Nuclear Regulatory Commission – Region IV
1600 East Lamar Blvd.
Arlington, Texas 76011-4511
ATTN: Ms. Michelle Hammond, DNMS Licensing Assistant

Re: Amendment Request – RAM License No. 42-35224-01

Ms. Hammond:

We would like to request the Field Station listed on our license (License No. 42-35224-01) located at 202 Casper View Court, Mills, WY, be removed.

At this time, all radioactive material has been removed from the location. Decommission wipe tests were performed and analyzed by Microtec Services, Inc. The results of those tests are included herewith for your reference.

Regarding section 14 of the above referenced license, records required to be maintained will now be available for agency review at our Corporate Radiation Safety headquarters office located at 6849 I-20 Frontage Road, Abilene, Texas. Shane McPherson will remain the Radiation Safety Officer listed on this license.

Michael Howell, former Site Radiation Safety Officer in Wyoming, is no longer employed with our company. He will no longer be responsible for any radiation safety duties related to this license including, but not limited to, Radiation Safety Officer and source retrieval procedures.

If you have any questions, or need additional information, please do not hesitate to contact me at (325) 437-1093 or via e-mail at shane.mcperson@shawcor.com.

Thank You,

Shane McPherson
Corporate Radiation Safety Officer



Inspection Services
6849 Interstate 20
Frontage Rd.
Abilene, TX 79601

o +1 325 437 1093
f +1 325 437 1422
Shawcor.com

NRC FORM 313
(03-2014)
10 CFR 30, 32, 33, 34
35, 36, 37, 38, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 05/31/2016



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 60532-4352

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

42-35224-01

☐

C. RENEWAL OF LICENSE NUMBER

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

Desert NDT, LLC dba Shawcor
P.O. Box 2733
Abilene, TX 79604

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

N/A

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Shane McPherson

BUSINESS TELEPHONE NUMBER

(325) 437-1093

BUSINESS CELLULAR TELEPHONE NUMBER

(325) 669-2574

BUSINESS EMAIL ADDRESS

shane.mcpherson@shawcor.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; 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 (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, 38, 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

Shane McPherson

SIGNATURE

Shane McPherson

DATE

8/3/16

FOR NRC USE ONLY

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



MICROTEC SERVICES, INC.

110 CHARLES STREET * PASADENA, TX. 77506
TEL (713) 475-2274 FAX (713) 475-2362

LEAK TESTING
CALIBRATIONS
REPAIR
NEW INSTRUMENTS

July 18, 2016

Shane McPherson
Desert Industrial X-Ray
202 Casper View Court
Mills, WY 82644

REF: Wipe Test Samples for Gamma-Spec Analysis

We have completed analysis of the 12 wipe test samples we received on July 14, 2016, from the Mills, WY facility. The samples were dated July 13, 2016.

Description of Analysis:

The samples consisted of cotton swabs. Each sample was placed in a test tube and counted for 240 minutes each using a Packard Instruments Cobra 5003 with a 3"x3" NaI well detector and MCA. Three blank test tubes were counted for 240 minutes each for average background data and **Minimum Detectable Activity (MDA)** calculations. Three regions of interest were used to count the samples, **Region A: 15-2000 keV**, **Region B: 15-1000 keV**, **Region C: 15-500 keV**. These three regions of interest will provide adequate detection of low, medium, and high energy gamma-rays. The results of our analysis are attached to this letter.

If you have any questions concerning this report, please call me at **713-475-2274** or e-mail at qstokley@sbcglobal.net. Thank you.

Regards,

Quintin A. Stokley
President
Microtec Services, Inc.

**MICROTEC SERVICES, INC.**

110 CHARLES STREET * PASADENA, TX. 77506
TEL (713) 475-2274 FAX (713) 475-2362

LEAK TESTING
CALIBRATIONS
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NEW INSTRUMENTS

MINIMUM DETECTABLE COUNT RATE (MDCR) CALCULATIONS**(GROSS GAMMA ANALYSIS)**

COUNT TIME: 240 MINUTES

	<u>WINDOW A</u>	<u>WINDOW B</u>	<u>WINDOW C</u>
BACKGROUND	260.5	214.0	146.7
CPM:	261.0	214.2	146.5
	260.2	214.7	147.6
AVERAGE:	260.6	214.3	146.9
STANDARD DEVIATION:	0.33	0.29	0.48
MDCR:	4.86	4.41	3.65
BACKGROUND + MDCR:	265.4	218.7	150.6

Minimum Detectable Activities (MDA) for Selected Nuclides

Isotope	Counting Efficiency (%)	Background (cpm)	MDA (uCi.)
Am-241	45.7	146.9	3.60E-06
Cs-137	52.8	214.3	3.76E-06
Co-60	63.4	260.6	3.45E-06
Ir-192	54.3	214.3	3.65E-06
U-238	13.8	146.9	1.19E-05

Signature

July 18, 2016

Date

**MICROTEC SERVICES, INC.**110 CHARLES STREET * PASADENA, TX. 77506
TEL (713) 475-2274 FAX (713) 475-2362LEAK TESTING
CALIBRATIONS
REPAIR
NEW INSTRUMENTS**GAMMA-SPEC ANALYSIS REPORT**TO: Shane McPherson
Desert Industrial X-Ray
202 Casper View Court
Mills, WY 82644

SAMPLE NUMBER	SAMPLE ID	GROSS COUNTS	NET ACTIVITY Ir-192 (uCi)	ERROR (uCi)	GROSS COUNTS	NET ACTIVITY U-238 (uCi)	ERROR (uCi)
1	Main office door	213.3	<MDA	1.51E-07	147.0	<MDA	4.68E-07
2	Manager office door	215.1	<MDA	1.52E-07	146.9	<MDA	4.69E-07
3	Main office bathroom handle	214.4	<MDA	1.51E-07	146.5	<MDA	4.69E-07
4	Crew door to main hall	213.2	<MDA	1.51E-07	145.3	<MDA	4.68E-07
5	Shop door to crew room	215.2	<MDA	1.52E-07	146.6	<MDA	4.69E-07
6	Crew room bathroom handle	214.6	<MDA	1.51E-07	148.1	<MDA	4.70E-07
7	Door of storage cabinet	212.6	<MDA	1.51E-07	145.8	<MDA	4.68E-07
8	Door of storage vault	211.6	<MDA	1.51E-07	144.8	<MDA	4.67E-07
9	Shop bathroom door	213.0	<MDA	1.51E-07	146.0	<MDA	4.68E-07
10	Inside storage cabinet	213.3	<MDA	1.51E-07	146.6	<MDA	4.69E-07
11	Main door handle	211.3	<MDA	1.51E-07	145.5	<MDA	4.68E-07
12	Remote west bay door	213.9	<MDA	1.51E-07	146.0	<MDA	4.68E-07

NOTE: "<MDA" indicates Less Than Minimum Detectable Activity. See attached table for selected nuclides.

SIGNATURE

July 18, 2016

DATE