

<b>NRC FORM 313</b> (10-2017) 10 CFR 30, 32, 33, 34, 35, 36, 37, 39, and 40	 <b>U.S. NUCLEAR REGULATORY COMMISSION</b> <b>APPLICATION FOR</b> <b>MATERIALS LICENSE</b>	<b>APPROVED BY OMB: NO. 3150-0120</b> 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-2 F43), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to <a href="mailto:Infocollcts.Resource@nrc.gov">Infocollcts.Resource@nrc.gov</a> , 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.	<b>EXPIRES: 06/30/2019</b>				
<b>INSTRUCTIONS: SEE THE CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <a href="http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/rs1556/">http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/rs1556/</a>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.</b>							
<b>APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:</b> MATERIALS SAFETY LICENSING BRANCH DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001  <b>ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:</b>  <b>IF YOU ARE LOCATED IN:</b> 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.  <b>SEND APPLICATIONS TO:</b> 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		<b>IF YOU ARE LOCATED IN:</b> 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  <b>IF YOU ARE LOCATED IN:</b> 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.  <b>SEND APPLICATIONS TO:</b> NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 1600 E. LAMAR BOULEVARD ARLINGTON, TX 76011-4511					
<b>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.</b>							
<b>1. THIS IS AN APPLICATION FOR (Check appropriate item)</b> <input type="checkbox"/> A. NEW LICENSE <input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER <u>14-29336-01</u>		<b>2. NAME AND MAILING ADDRESS OF APPLICANT (Include zip code)</b> TEAM Services, Inc. 717 SE 6th Street Des Moines, IA 50309  <b>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</b> Jeffrey Roberts BUSINESS TELEPHONE NUMBER <u>515-282-8818</u> BUSINESS CELLULAR TELEPHONE NUMBER <u>515-979-7799</u> BUSINESS E-MAIL ADDRESS <u>jeff@teamservices.com</u>					
<b>3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED</b> A. Temporary job sites anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.		<b>5. RADIOACTIVE MATERIAL</b> a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.  <b>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.</b>  <b>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.</b>  <b>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.</b>  <b>9. FACILITIES AND EQUIPMENT.</b>  <b>10. RADIATION SAFETY PROGRAM.</b>  <b>11. WASTE MANAGEMENT.</b>					
<b>12. LICENSE FEES (Fees required only for new applications, with few exceptions*) (See 10 CFR 170 and Section 170.31)</b> *Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">FEE CATEGORY</td> <td style="width:50%; text-align: center;">AMOUNT ENCLOSED \$</td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </table>		FEE CATEGORY	AMOUNT ENCLOSED \$		
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<b>PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: <a href="https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html">https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html</a>.</b>							
<b>13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.</b>  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 62 STAT. 740 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.							
<b>CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE</b> Jeffrey Roberts, President		<b>SIGNATURE</b> 	<b>DATE</b> 2/11/2019				
<b>FOR NRC USE ONLY</b>							
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED \$	CHECK NUMBER	COMMENTS		
<b>APPROVED BY</b>				<b>DATE</b>			

Hill, Carol

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**From:** Hill, Carol  
**Sent:** Monday, February 11, 2019 7:43 AM  
**To:** 'Jeffrey Roberts'  
**Subject:** RE: Re: Reminder: Nuclear Materials License Renewal is Due to the NRC By March 31, 2019

Good Morning,

Actually, because your only work location is in SD, you fall within Region IV's jurisdiction. If you haven't already mailed it please send your renewal to Region IV, at Nuclear Regulatory Commission, ATTN: Carol Hill, 1600 East Lamar Blvd, Arlington, TX 76011. If you have already mailed it, don't worry about it, Region 3 will forward it to me.

Thank you,

**Carol L. Hill, Licensing Assistant**

**Direct: 817-200-1140**  
**Toll Free: 1-800-952-9677**  
**Fax: 817-200-1083**  
**E-mail: [Carol.Hill@nrc.gov](mailto:Carol.Hill@nrc.gov)**

**US Nuclear Regulatory Commission**  
**1600 E. Lamar Blvd.**  
**Arlington, TX 76011-4511**

---

**From:** Jeffrey Roberts [<mailto:jeff@teamservices.com>]  
**Sent:** Monday, February 11, 2019 5:20 AM  
**To:** Hill, Carol <[Carol.Hill@nrc.gov](mailto:Carol.Hill@nrc.gov)>; [cory@teamservices.com](mailto:cory@teamservices.com)  
**Subject:** [External\_Sender] Re: Reminder: Nuclear Materials License Renewal is Due to the NRC By March 31, 2019

Carol, the attached is being mailed to Region III per 313 instructions. Let us know if you need further information.

Jeffrey Roberts  
President



717 S.E. 6th St, Des Moines, IA 50309  
(515) 282-8818 fax: (515) 282-8741  
[teamservices.com](http://teamservices.com) [staff@teamservices.com](mailto:staff@teamservices.com)  
Des Moines • Omaha • Ft Dodge • Spirit Lake • Mason City  
Cedar Rapids • Waterloo • Davenport • Dubuque • Kahoka

On 12/17/2018 4:18 PM, Hill, Carol wrote:

Greetings,

Please be advised that your Nuclear Materials License 14-29336-01, will expire on March 31, 2019. In order to prevent termination of your license, you MUST submit your renewal application so that it is received by the NRC

no later than March 31, 2019. If you need to fax in your request in order to meet the submission deadline, you may fax it, to my attention, to 817-200-1083; and follow up with a hard copy through the mail. If your renewal request is not received by COB March 31, 2019, your license will, subsequently, expire, and you will have to divest yourself of any radioactive material before the expiration date, or commit to not using the radioactive material in NRC jurisdiction. If you make the commitment to not use the radioactive material in NRC jurisdiction, please give us a timeline of submitting a new license application (with applicable fee) or NRC Form 314, Certificate of Disposition of Material.

Please keep in mind that no fees need to be sent with a renewal application.

For your convenience, I have attached a link to NUREG 1556, Consolidated Guidance About Materials Licenses, and NRC Form 313, Application for Materials License: <https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>

If you have questions or need additional information, please feel free to contact me.

**Carol L. Hill**, Licensing Assistant

Direct: **817-200-1140**

Toll Free: **1-800-952-9677**

Fax: **817-200-1083**

E-mail: [Carol.Hill@nrc.gov](mailto:Carol.Hill@nrc.gov)

**US Nuclear Regulatory Commission**  
**1600 E. Lamar Blvd.**  
**Arlington, TX 76011-4511**

Hill, Carol

---

**From:** Hill, Carol  
**Sent:** Monday, February 11, 2019 7:48 AM  
**To:** 'Jeffrey Roberts'  
**Subject:** RE: Re: Reminder: Nuclear Materials License Renewal is Due to the NRC By March 31, 2019

Good Morning, again,

In addition to the NRC Form 313, you must also submit answers to Sections 5 through 11 with your application. Even though you submitted that information with your original application, we need them provided again for a renewal. Please refer to NUREG 1556, Volume 1, Revision 2 at <https://www.nrc.gov/docs/ML1617/ML16175A375.pdf>

If you have any questions or need additional assistance, please feel free to contact me.

Have a GREAT Day,

**Carol L. Hill, Licensing Assistant**

**Direct: 817-200-1140**  
**Toll Free: 1-800-952-9677**  
**Fax: 817-200-1083**  
**E-mail: [Carol.Hill@nrc.gov](mailto:Carol.Hill@nrc.gov)**

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**1600 E. Lamar Blvd.**  
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Carol, the attached is being mailed to Region III per 313 instructions. Let us know if you need further information.

Jeffrey Roberts  
President



717 S.E. 6th St, Des Moines, IA 50309  
(515) 282-8818 fax: (515) 282-8741  
[teamservices.com](http://teamservices.com) [staff@teamservices.com](mailto:staff@teamservices.com)  
Des Moines • Omaha • Ft Dodge • Spirit Lake • Mason City  
Cedar Rapids • Waterloo • Davenport • Dubuque • Kahoka

On 12/17/2018 4:18 PM, Hill, Carol wrote:

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4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION <b>Jeffrey Roberts</b>  <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">BUSINESS TELEPHONE NUMBER 515-282-8818</td> <td style="width:50%;">BUSINESS CELLULAR TELEPHONE NUMBER 515-979-7799</td> </tr> <tr> <td colspan="2">BUSINESS E-MAIL ADDRESS <a href="mailto:jeff@teamservices.com">jeff@teamservices.com</a></td> </tr> </table>			BUSINESS TELEPHONE NUMBER 515-282-8818	BUSINESS CELLULAR TELEPHONE NUMBER 515-979-7799	BUSINESS E-MAIL ADDRESS <a href="mailto:jeff@teamservices.com">jeff@teamservices.com</a>	
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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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CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE  Jeffrey Roberts, President	SIGNATURE 	DATE 2/11/2019				
<b>FOR NRC USE ONLY</b>						
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS	
			\$			
APPROVED BY				DATE		

Hill, Carol

**From:** Hill, Carol  
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President



717 S.E. 6th St, Des Moines, IA 50309  
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[teamservices.com](http://teamservices.com) [staff@teamservices.com](mailto:staff@teamservices.com)  
Des Moines • Omaha • Ft Dodge • Spirit Lake • Mason City  
Cedar Rapids • Waterloo • Davenport • Dubuque • Kahoka

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Hill, Carol

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Have a GREAT Day,

**Carol L. Hill, Licensing Assistant**

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**Toll Free: 1-800-952-9677**  
**Fax: 817-200-1083**  
**E-mail: [Carol.Hill@nrc.gov](mailto:Carol.Hill@nrc.gov)**

**US Nuclear Regulatory Commission**  
**1600 E. Lamar Blvd.**  
**Arlington, TX 76011-4511**

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**From:** Jeffrey Roberts [<mailto:jeff@teamservices.com>]  
**Sent:** Monday, February 11, 2019 5:20 AM  
**To:** Hill, Carol <[Carol.Hill@nrc.gov](mailto:Carol.Hill@nrc.gov)>; [cory@teamservices.com](mailto:cory@teamservices.com)  
**Subject:** [External\_Sender] Re: Reminder: Nuclear Materials License Renewal is Due to the NRC By March 31, 2019

Carol, the attached is being mailed to Region III per 313 instructions. Let us know if you need further information.

Jeffrey Roberts  
President



717 S.E. 6th St, Des Moines, IA 50309  
(515) 282-8818 fax: (515) 282-8741  
[teamservices.com](http://teamservices.com) [staff@teamservices.com](mailto:staff@teamservices.com)  
Des Moines • Omaha • Ft Dodge • Spirit Lake • Mason City  
Cedar Rapids • Waterloo • Davenport • Dubuque • Kahoka

On 12/17/2018 4:18 PM, Hill, Carol wrote:

Greetings,

Please be advised that your Nuclear Materials License 14-29336-01, will expire on March 31, 2019. In order to prevent termination of your license, you MUST submit your renewal application so that it is received by the NRC no later than March 31, 2019. If you need to fax in your request in order to meet the submission deadline, you may fax it, to my attention, to 817-200-1083; and follow up with a hard copy through the mail. If your renewal request is not received by COB March 31, 2019, your license will, subsequently, expire, and you will have to divest yourself of any radioactive material before the expiration date, or commit to not using the radioactive material in NRC jurisdiction. If you make the commitment to not use the radioactive material in NRC jurisdiction, please give us a timeline of submitting a new license application (with applicable fee) or NRC Form 314, Certificate of Disposition of Material.

Please keep in mind that no fees need to be sent with a renewal application.

For your convenience, I have attached a link to NUREG 1556, Consolidated Guidance About Materials Licenses, and NRC Form 313, Application for Materials License: <https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>

If you have questions or need additional information, please feel free to contact me.

**Carol L. Hill, Licensing Assistant**

Direct: **817-200-1140**

Toll Free: **1-800-952-9677**

Fax: **817-200-1083**

E-mail: [Carol.Hill@nrc.gov](mailto:Carol.Hill@nrc.gov)

**US Nuclear Regulatory Commission**

**1600 E. Lamar Blvd.**

**Arlington, TX 76011-4511**

## NRC FORM 313

(10-2017)  
10 CFR 30, 32,  
33, 34, 35, 36,  
37, 39, and 40

## U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR  
MATERIALS LICENSE

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 06/30/2019

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-2 F43), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollects.Resource@nrc.gov](mailto: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 CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nureg/staff/rs1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

## APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

MATERIALS SAFETY LICENSING BRANCH  
DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS  
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, 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  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

## IF YOU ARE LOCATED IN:

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

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

14-29336-01

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

TEAM Services, Inc.  
717 SE 6th Street  
Des Moines, IA 50309

## 3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED

A. Temporary job sites anywhere in the United States  
where the U.S. Nuclear Regulatory Commission  
maintains jurisdiction for regulating the use of licensed  
material, including areas of exclusive Federal jurisdiction  
within Agreement States.

## 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Jeffrey Roberts

BUSINESS TELEPHONE NUMBER  
515-282-8818

BUSINESS CELLULAR TELEPHONE NUMBER  
515-979-7799

BUSINESS E-MAIL ADDRESS  
[jeff@teamservices.com](mailto:jeff@teamservices.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.

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

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

## 10. RADIATION SAFETY PROGRAM.

## 9. FACILITIES AND EQUIPMENT.

## 11. WASTE MANAGEMENT.

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

\*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

FEE  
CATEGORYAMOUNT  
ENCLOSED \$

PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: <https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html>.

## 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 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

Jeffrey Roberts, President

SIGNATURE

DATE

2/11/2019

## FOR NRC USE ONLY

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

**TEAM Services, Inc. License 14-29336-01  
Renewal Application 2019-02-11**

**ITEM 5 – RADIOACTIVE MATERIAL:**

<b>a. Element &amp; mass number</b>	<b>b. chemical and/or physical form</b>	<b>c. maximum amount which will be possessed at any one time</b>
Cesium-137	Sealed Source Troxler Drawing No. 102112	No single source to exceed 9 mCi
Americium-241	Sealed Source Troxler Drawing No. 102451	No single source to exceed 44 mCi
Cesium-137	Sealed Source Humboldt Drawing No. 2200064-1	No single source to exceed 11 mCi
Americium-241	Sealed Source Humboldt Drawing No. 2200067-1	No single source to exceed 44 mCi

**ITEM 6 – PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED:**

Gauges will be used for the purposes described in their respective SSD Registration Sheets.

**ITEM 7 – INDIVIDUAL(s) RESPONSIBLE FOR RADIATION SAFETY AND THEIR TRAINING EXPERIENCE:**

Jeffrey Roberts – Successfully completed the Radiation Safety Officer Class conducted by Troxler Electronic Laboratories, Inc. December 9, 2004. Cory Denham – Successfully completed the Radiation Safety Officer Class conducted by Humboldt Scientific, Inc. October 30, 2015.

Before being named as RSO, future RSO's 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, Rev. 2, dated June 2016.

**ITEM 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, Rev. 2, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,' dated June 2016.



**ITEM 9 – FACILITIES AND EQUIPMENT:**

We possess radiation monitoring instruments, which are necessary to protect health and minimize danger to life or property, especially in circumstances related to incidents involving gauges at construction sites. Instruments used for quantitative radiation measurements shall be calibrated periodically for the radiation measured.

Permanent storage locations shall meet the criteria in section 8.10.5 entitled "Public Dose" in NUREG-1556, Vol. 1, Rev. 2, dated June 2016.

**ITEM 10 – RADIATION SAFETY PROGRAM**

Refer to attached RAS001.r9 "Radiation Safety Program"

**ITEM 11 – WASTE MANAGEMENT- GAUGE DISPOSAL AND TRANSFER:**

We will maintain transfer or dispose of gauges in accordance with section 8.11 entitled "Waste Management—Gauge Disposal and Transfer" in NUREG-1556, Vol. 1, Rev. 2, dated June 2016.

# RADIATION SAFETY PROGRAM

Ref: Iowa Dept. of Public Health (IDPH) "Portable Gauge Device Regulation Guide", Section 11  
IL Emergency Management Agency IEMA - Instructional Set 65 (Use of Sealed Sources in Portable Devices)  
NRC NUREG – 1556 Vol. 1, Rev. 2 w/App H Errata

## ITEM 11. – RADTATION SAFETY PROGRAM

TEAM Services is responsible for the conduct of the radiation safety program and for all actions of our employees.

### 11.1. – PERSONNEL MONITORING EQUIPMENT

All personnel handling nuclear gauges shall wear an Instadose dosimeter when they use the device.  
The dosimeters are distributed by:

Mirion Technologies, Inc. (GDS)  
2652 McGaw Ave.  
Irvine, CA 92625

The dosimeter readings are to be downloaded every (3) months.  
Personnel exposed on an occasional basis will not normally be issued exposure monitors.

### 11.2. – RADIATION DETECTION INSTRUMENTS

TEAM Services makes a commitment that personnel will wear a dosimeter during all handling of the nuclear gauges, and that we will perform no servicing that requires removal of the source from its shielded position or removal of the source rod from the gauging device.

Therefore, a radiation survey meter will not be used during routine use and maintenance. If warranted, a survey meter, Ludlum Mod. 3/44-9 Inv. No. 2835, is available at TEAM Services' Des Moines, IA office or by contacting TEAM Services' RSO.

### 11.3. – LEAK TESTING

TEAM Services shall perform according to 641-40.32(2). We shall perform tests to determine whether or not there is any leakage from the radioactive source in the device. The leak test shall be performed at 12-month intervals.  
The leak testing procedure shall be:

Use a commercial leak-test kit. Take the smear and send the smear to the kit supplier, who reports the results to us.

The Test Kit supplier and analyzer shall be one of the following:

Humboldt Scientific 331-D Pylon Drive Raleigh, NC 27606 NC DENR License No. 092-0750-1	Troxler Electronic Laboratories 3008 Cornwallis Road Research Triangle Park, NC 27709	Aguinaga Technical Services 1924-C Calumet Drive Sheboygan, WI 53081	Qal-Tek Associates 101 Technology Drive Idaho Falls, ID 83401	ThermoFisher Scientific 2 Radcliff Road Tewksbury, MA 01876
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## PROCEDURE FOR TAKING TEST SAMPLES

1. Make a list of all sources to be tested and prepare the leak test form including the isotope, the activity on a specified date, and the physical form.
2. The sources tested shall not be stronger than a few millicuries. Wear a dosimeter during testing.
3. Prepare a separate wipe sample for each source. A cotton swab, injection prep pad, filter paper, or tissue paper is suitable. Number each wipe so you will know for which source it is to be used. Samples should be taken as follows:  
for nuclear gauges with small sealed sources, wipe the entire accessible surface area. Pay particular attention to seams and joints.

### 11.4. – MAINTENANCE

Any in-house maintenance performed (such as cleaning) shall always be done with the radioactive source in the safe shielded position. Any maintenance requiring the radioactive source to be taken out of the device must be done by the manufacturer or other authorized authority.

### **11.5. – SHIPMENT AND TRANSPORTATION OF THE DEVICES TO FIELD LOCATIONS**

Package labeling shall be in accordance with subpart E of 49 CFR Part 172 of the DOT regulations. Labels shall be checked frequently by the RSO and be replaced whenever previous labels become damaged or illegible. Shipping and packaging radioactive material shall be in accordance with Subpart I of 49 CFR Part 173 of the DOT regulations.

Shipping of gauges shall be done via Federal Express using their "Dangerous Goods" shipping form. Federal Express reviews the package and shipping documents and will reject any shipment that does not comply with the above regulations.

#### **Opening Packages**

A. Visually inspect each package for signs of damage. If a radiation survey meter is available, survey the package as soon as possible to verify that radiation levels are at acceptable levels (refer to the manufacturer's information on radiation levels). If any damage or excessive radiation levels are noted, immediately notify the RSO or RSO designee. Damaged packages will be evaluated for the possibility of degradation of the package's integrity. If a survey meter is unavailable and the device shielding appears compromised, arrangements will be made to have the package's radiation levels monitored to determine the presence and extent of any radioactive contamination.

B. Verify that the portable gauging device model and serial numbers and source activity listed on the attached label match the information provided in the shipping papers and packing slip. In addition, verify that documentation indicating that the gauge's source has been leak tested. If any discrepancies are identified, notify the RSO or RSO designee.

C. If no damage is evident and the documentation is in order, secure the portable gauging device in the designated storage area.

### **11.6. – OPERATING AND EMERGENCY PROCEDURES**

Manufacturers Operating and Emergency Procedures shall be provided to each user and included in the Shipping Papers.

#### **OPERATING PROCEDURES:**

1. Before removing the gauge from its place of storage, check to make sure that the gauge source rod is in the shielded, locked position, then lock the transport case if possible.
2. Sign the gauge number and your name out in a logbook. The dates of use, names of the authorized users who are responsible for the gauge, and the temporary job sites where the gauge will be used are tracked using the "Work Orders" database.
3. Never leave the gauge unattended.
4. Follow all applicable DOT requirements when transporting the gauge. Gauges transported to field locations shall be in their case, locked in a manner that would require overcoming (2) barriers to remove either the gauge itself or the case with the gauge in it, the case braced from movement in the rear-most portion of the vehicle. When the driver is at the vehicle's controls, the shipping paper shall be within his immediate reach while he is restrained by the lap belt; and either readily visible to a person entering the driver's compartment or in a holder which is mounted to the inside of the door on the driver's side of the vehicle. When the driver is not at the vehicle's controls, the shipping paper shall be: in a holder which is mounted to the inside of the door on the driver's side of the vehicle or on the driver's seat in the vehicle. The case shall be of good integrity (hinges, hasps, locks and labels).
5. Do not touch the source rod with your fingers, hands, or any part of your body, and always make sure the source rod is in the shielded position after each measurement is made.
6. Always wear your assigned personnel-monitoring device (dosimeter) when using the gauge.
7. Never wear another person's dosimeter.
8. Never store your dosimeter near the gauge, in the sunlight, or near another source (microwave).
9. Always keep unauthorized persons away from the area where the gauge is to be used.
10. Always maintain constant surveillance and immediate control of the gauge when it is not in storage.
11. To make gauges more visible to operators of heavy equipment at construction sites, "stake and flag" each gauge, being sure that the flags are tall enough to be seen by heavy equipment operators.
12. Never look under the gauge when the source rod is being lowered into the ground. Never extend the probe unless the gauge is lying flat on the ground.
13. After each measurement, return the source to the shielded position and lock it there.
14. When the gauge is not in use at a temporary job site, place the gauge in a secured storage location (e.g., locked in the trunk of a car or locked in a storage shed). As stated in Item 4 above, the gauge shall be secured in a manner that would require overcoming (2) barriers to remove either the gauge itself or the case with the gauge in it.
15. Return the gauge to its proper storage location at the end of the work shift.

## **EMERGENCY RESPONSE PROCEDURES**

### **REQUIRED FOR TRANSPORTATION**

The emergency action plan applies to the following materials: **Nuclear Compaction Control Gauges**

**1. PROPER SHIPPING NAME** • Radioactive material, Type A package. Special Form, UN3332

### **POTENTIAL HAZARDS**

#### **2. HEALTH HAZARDS**

- Radiation presents minimal risk to lives of persons during transportation accidents.
- Undamaged packages are safe; damaged packages or materials released from packages can cause external radiation hazards. Contamination is not suspected.
- Packages (cartons, boxes, drums, articles, etc.) identified as "Type A" by marking on packages or by shipping papers contain non-life endangering amounts. Radioactive sources may be released if packages are damaged in moderately severe accidents.
- Packages (large and small) identified as "Type B" by marking on packages or by shipping papers contain potentially life-endangering amounts. Because of design, evaluation and testing of packages, life-endangering releases are not expected in accidents except those of utmost severity.
- Commonly available instruments can detect most of these materials.
- Water from cargo fire control is not expected to cause pollution.

#### **3. FIRE OR EXPLOSION**

- Packagings can be consumed without content loss from sealed source capsule.
- Radioactive source capsules and Type B packages are designed to withstand temperatures of 1475 °F (800 °C).

### **EMERGENCY ACTION**

#### **4. IMMEDIATE PRECAUTIONS**

- Priority response actions may be performed before taking radiation measurements.
  - Priorities are lifesaving, control of fire and other hazards, and first aid.
  - Isolate hazard area (at least 15 feet) and deny entry.
  - If any heavy equipment is involved, detain the equipment until it is determined that there is no contamination present.
- 4. Notify Radiation Safety Officer (RSO), Cory Denham at 319-366-0759 or 319-551-5957 or Jeff Roberts, at 515-282-8818 or 515-979-7799. Call Troxler 919-549-9539 or Humboldt at 800-535-5053 for Emergency Assistance.**
- Follow the direction provided. Delay final cleanup until instruction or advice of Radiation Authority.
  - Positive pressure self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide adequate protection against internal radiation exposure, but not external radiation exposure.

#### **Emergency action plan in the event of:**

**Damage:** If the source fails to return to the shielded position or if any other emergency or unusual situation arises, such as the gauge being struck by a moving vehicle, dropped, or in a vehicle involved in an accident:

- Immediately secure the area around the gauge – at least 15 feet.
- Prevent unauthorized personnel from entering the secured area.
- If any heavy equipment is involved, detain the equipment until it is determined that there is no contamination present.

#### **Fire:**

- Do not move the damaged container. If possible, move un-damaged containers out of the fire zone.
- Immediately contact the local Fire Department and the RSO.
- Small Fires: Dry chemical, CO2 water spray or regular foam, Large Fires: water spray, fog (flooding amounts).

#### **Theft or Loss:**

- Immediately contact the local Department of Public Health and the RSO.

#### **Spill or Leak:**

- Do not touch damaged packages or spilled material.
- Slightly damaged or damp outer surfaces seldom indicate failure of inner container.
- If source is identified as being out of package, stay away and await advice from Radiation Authority.

#### **First Aid:**

- Use first aid treatment according to the nature of the injury.
- Persons exposed to special form sources are not likely to be contaminated with radioactive material.

**The RSO shall:**



- a. When damaged, arrange for a survey to be conducted using an appropriate radiation detection instrument as soon as possible by an approved person.
- b. Make necessary notifications to local authorities:
  - Iowa: notify the IDPH at 515-281-3478.
  - North Dakota: contact The North Dakota Health Department (NDHD) at 701-328-5188, Fire Dept. at 701-258-5792 and Police Dept. at 701-223-1212.
  - Illinois: notify the Illinois Emergency Management Agency (IEMA) at 217-782-7860.
  - NRC: call NRC's Emergency Operations Center at (301) 816-5100, which is staffed 24 hours a day and accepts collect calls.

Notification is required when gauges are lost or stolen, or damaged or involved in incidents that result in doses in excess of the dose limits in Chapter 40.

- c. Ensure reports to the IDPH, NDHD, IEMA or NRC are submitted in a timely manner.
- d. Review and adhere to the reporting requirements of 40.95, 40.96, and 40.97 (or refer to NRC NUREG Appendix H when applicable).

### **11.7. – INVENTORIES**

Physical inventories shall be conducted at intervals not to exceed six (6) months, and inventory checks performed daily, to account for all sealed sources and gauges received and possessed under your license. Records of the inventories are permanently maintained in the company database. The records shall include a reference to the manufacturer who can supply the radionuclide and amount of material in each source, the model number and serial number of each gauge, the location of each gauge, and the date of the inventory. Stability tests are performed every (6) months and are evidence of the gauges presence. Gauges shall be stored in an authorized identified by the appropriate radiation and occupational signage. The area shall be accessible by authorized users only.

New storage areas and/or new facilities shall be approved by the appropriate authority before gauges are stored in the new area. Gauges shall not be stored in the new area until the approval/license amendment is received.

### **11.7. – YEARLY AUDIT AND FIELD AUDITS OF RADIATION SAFETY PROGRAM**

Unannounced audits of authorized users in the field shall be periodically performed to determine that proper radiation safety and operating procedures are being followed. Once problems are identified, they shall be promptly corrected.

A 12-month Safety meeting shall be performed by management with each employee and documented on Form QSM001. Refer to this form for meeting procedures.

A 12-month Audit for Radiation Safety shall be performed by the RSO at all facilities using form RSA001. Refer to this form for audit procedures. Audit records shall be maintained in the safety file and records recorded in the INVENTORY/CALIBRATIONS" section of the database.

## **12. – WASTE MANAGEMENT AND DECOMMISSIONING**

Whenever a gauge is to be disposed, licensed materials shall be disposed of by transfer to an authorized recipient, such as the manufacturer of the gauge, that receives separate Am-241:Be and Cs-137 sources. The recipient shall be verified to receive licensed materials using one of the methods of 10 CFR 30.41. Records of the transfers must be maintained as required by 10 CFR 30.51.

In the event of termination of a license, the gauges shall be transferred to an entity verified to receive licensed materials or to the manufacturer of the gauge. Records of the transfers due to decommissioning must be maintained as required by 10 CFR 30.51.

## **APPENDIX A: MAINTAINING OCCUPATIONAL RADIATION EXPOSURE ALARA**

### **1. MANAGEMENT COMMITMENT**

- a. We, the management of TEAM Services, are committed to the program described herein for keeping individual and collective doses as low as is reasonably achievable (ALARA). In accord with this commitment, we hereby describe an administrative organization for radiation safety and will develop the necessary written policy, procedures, and instructions to foster the ALARA concept within our institution.
- b. We will perform a formal annual review of the radiation safety program, including ALARA considerations. This will include reviews of operating procedures and past dose records, inspections, etc., and consultations with the radiation safety staff or outside consultants.
- c. Modifications to operating and maintenance procedures and to equipment and facilities will be made if they will reduce exposures unless the cost, in our judgment, is considered unjustified. We will be able to demonstrate, if necessary, that improvements have been sought, that modifications have been considered, and that they have been recommended but not implemented, and we will be prepared to describe the reasons for not implementing them.

Authorization

d. In addition to maintaining doses to individuals as far as below the limits as is reasonably achievable, the sum of the doses received by all exposed individuals will also be maintained at the lowest practicable level. It would not be desirable, for example, to hold the highest doses to individuals to some fraction of the applicable limit if this involved exposing additional people and significantly increasing the sum of radiation doses received by all involved individuals.

## 2. RADIATION SAFETY OFFICER COMMITMENT

### a. Annual and Quarterly Review:

(1) Annual review of the radiation safety program. The RSO will perform an annual review of the radiation safety program for adherence to ALARA concepts. Reviews of specific methods of use may be conducted on a more frequent basis.

(2) Quarterly review of occupational exposures. The RSO will review at least quarterly the external radiation doses of authorized users and workers to determine that their doses are ALARA in accordance with the provisions of section 4 of this appendix.

### b. Education Responsibilities for ALARA Program:

The RSO will schedule briefing and educational sessions to ensure that authorized users, workers, and ancillary personnel who may be exposed to radiation will be instructed in the ALARA philosophy. They should also be informed that management and the RSO are committed to implementing the ALARA concept.

### c. Cooperative Efforts for Development of ALARA Procedures:

Radiation workers will be given opportunities to participate in formulating the procedures that they will be required to follow.

(1) The RSO will be in close contact with all users and workers in order to develop ALARA procedures for working with radioactive materials.

(2) The RSO will establish procedures for receiving and evaluating the suggestions of individual workers for improving health physics practices and will encourage the use of those programs.

(3) Workers will be instructed in recourses available if they feel that ALARA is not being promoted on the job.

### d. Reviewing Instances of Deviation from Good ALARA Practices:

The RSO will investigate all known instances of deviation from good ALARA practices and, if possible, will determine the causes. When the cause is known, the RSO will implement changes in the program to maintain doses ALARA.

## 3. AUTHORIZED USERS COMMITMENT

### a. New methods of Use Involving Potential Radiation Doses:

(1) The authorized user will consult the RSO during the planning stage before using radioactive materials for new uses.

(2) The authorized user will review each planned use of radioactive materials to ensure that uses will be kept ALARA. Trial runs may be helpful.

### b. Authorized User's Responsibility to Supervised Individuals:

(1) The authorized user will explain the ALARA concept and the need to maintain exposures ALARA to all supervised individuals.

(2) The authorized user will ensure that supervised individuals who are subject to occupational radiation exposure are trained and educated in health physics practices and in maintaining exposures ALARA.

## 4. ESTABLISHMENT OF INVESTIGATIONAL LEVELS IN ORDER TO MONITOR INDIVIDUAL OCCUPATIONAL EXTERNAL RADIATION DOSES

This institution hereby establishes investigational levels for occupational external radiation doses which, when exceeded, will initiate review or investigation by the RSO. The investigational levels that we have adopted are listed in Table 1. These levels apply to the exposure of individual workers and serve as check points above which the results are considered sufficiently important to justify investigations.

<b>Table 1</b>		
<b>Investigational Levels</b>		
	Investigational Levels (mrems per month)	
	Level I	Level II
1. Total Dose Equivalent: whole body; head and trunk; active blood-forming organs; or gonads	200	400
2. Skin of whole body, extremities	2000	4000
3. Lens of eyes	600	1200

The RSO will review and record on IDPH Form, "Current Occupational External Radiation Exposures," or an equivalent form (e.g., dosimeter processor's report) results of personnel monitoring not less than once in any calendar quarter as required by 641-40.100. The following actions will be taken at the investigational levels as stated in Table 1:

### a. Personnel dose less than Investigational Level I.

Authorization

Except when deemed appropriate by the RSO, no further action will be taken in those cases where an individual's dose is less than Table 1 values for the investigational Level I.

b. Personnel doses equal to or greater than Investigation Level I but less than Investigational Level II. The RSO will review the dose of each individual whose quarterly dose equals or exceeds Investigational Level I. If the dose does not equal or exceed Investigational Level II, no action related specifically to the exposure is required. The RSO will, however, review each such dose in comparison with those of others performing similar tasks as an index of ALARA program quality.

c. Personnel dose equal to or greater than Investigational Level II.

The RSO will investigate in a timely manner the causes of all personnel doses equaling or exceeding Investigational Level II and, if warranted, will take action. A report of the investigation and any actions taken will be presented to the management following completion of the investigation. The report should include a copy of the individual's Form IDPH 588-2834 "Occupational Exposure Record for Monitoring Period" and 588-2833 "Cumulative Occupational Exposure History" or its equivalent.

d. Re-establishment of investigational levels to levels above those listed in Table I. In cases where a worker's or a group of workers' doses need to exceed an investigation level, a new, higher investigational level may be established with good ALARA practices. Justification for new investigational level will be documented. The RSO and management will review the justification for and should approve all revisions of investigational levels.

##### 5. SIGNATURE OF CERTIFYING OFFICIAL

I hereby certify that this institution has implemented the ALARA Program as set forth above.

  
Signature

Jeffrey Roberts  
Name (Print or type)

President  
Title

##### APPENDIX B - CRITERIA FOR ACCEPTABLE TRAINING COURSES FOR PORTABLE GAUGE USERS

TEAM Services shall establish and implement approved training for all gauge users. Gauge usage shall not occur by a user until the user has successfully completed the training course.

###### Part I: Criteria for acceptable training courses for portable gauge users

1. Courses are at least 8 hours in length

2. Course provides instruction in the following topics:

a. Radiation physics (.5 hour)

Atomic and subatomic structure, Radioactivity and types of radiation, Sources of radioactivity, Isotopes and periodic table, Units of radiation measurement and half-life

b. Radiation safety (1.0 hour)

Biological effects of radiation, Occupational dose limits, ALARA, Methods to reduce dose, Personnel monitoring

c. Regulatory requirements (1.5 hours)

Licensing, Storage of licensed material, Constant control and surveillance of radioactive material not in storage, Personnel monitoring, Leak testing, Inventory, Maintenance, Operating and emergency procedures, Audits, Record keeping, Reciprocity, Disposal, Incidents

d. Transportation (.5 hour)

Transportation of licensed material in vehicles, shipping by common carrier, requirements in 10 CFR 71.5, 49 CFR, and Iowa Chapter 39.5

e. Gauge theory, operation, and field training (3.5 hours)

f. Written test and test review (.5 hour)

3. Successful completion of the course requires obtaining a score of at least 80% on a closed book test consisting of at least 50 questions that have not been provided to the students before the test.

4. Course instructors meet the qualifications outlined in Part II below.

###### Part II: Criteria for qualifications for instructors of portable gauge users

Each instructor who trains individuals as portable gauge users should have successfully complete a course that meets the criteria in Part I above, and have at least 32 hours of hands on experience in the use of portable gauge devices.

## **APPENDIX C - DUTIES AND RESPONSIBILITIES OF THE RADIATION SAFETY OFFICER (RSO)**

The RSO is responsible for implementing the radiation safety program and ensuring that radiation safety activities are performed in accordance with approved procedures and regulatory requirements. The RSO should, if deemed appropriate, complete an independent RSO Training Class that will familiarize them with the required regulations to implement and execute a satisfactory safety program. The RSO shall be given to resources, time and organizational freedom to adequately implement the safety program. The RSO's duties and responsibilities include:

1. Ensure that licensed material possessed is limited to the kinds, quantities and gauge holders listed on the license.
2. Ensure that individuals using gauges are properly trained, have completed an approved training course and are designated by the RSO before the use a gauge. Ensure that they receive refresher training at least annually. Ensure that they are informed of all regulatory changes and deficiencies identified during annual audits or IDPH inspections.
3. Ensure that personnel monitoring devices are used as required. Review in a timely manner all reports of personnel exposures.
4. Ensure that gauges are properly secured against unauthorized removal at all times when gauges are not in use.
5. Ensure that proper authorities are notified in case of accident, damage to gauges, fire, or theft.
6. Ensure that audits are performed at least annually to ensure that:
  - (a) The licensee is abiding by IDPH and DOT regulations and the terms and conditions of the license (e.g., periodic leak tests, inventories, transportation, and use by approved users);
  - (b) The licensee's radiation protection program content and implementation achieve occupational doses and doses to members of the public that are ALARA (see IDPH Rules, Chapter 40); and
  - (c) The licensee maintains required records with all required information (e.g., records of personnel exposure, receipt, transfer, and disposal of licensed material, gauge user training) sufficient to comply with IDPH requirements.
7. Ensure that the results of audits, identification of deficiencies, and recommendations for change are documented, provided to management for review, and maintained for at least three (3) years. Ensure prompt action is taken to correct deficiencies.
8. Ensure that audit results and corrective actions are communicated to all personnel who use licensed material (regardless of their location or the license under which they normally work).
9. Ensure that all incidents, accidents, and personnel exposure to radiation more than ALARA or Chapter 40 are investigated and reported to IDPH within the required time limits.
10. Ensure that licensed material is transported in accordance with all applicable DOT requirements.
11. Ensure that licensed material is disposed of properly.
12. Ensure that the facility has up-to-date copies of IDPH's regulations, completing a review of new or amended IDPH regulations, and revising licensee procedures, as needed, to comply with IDPH regulations.
13. Ensure that the license is amended whenever there are changes in licensed activities, responsible individuals, or information or commitments provided to IDPH in the licensing process.

## **APPENDIX C - DUTIES AND RESPONSIBILITIES OF THE RSO**

Among the specific duties and responsibilities of the RSO are the following:

- Stopping licensed activities that the RSO considers unsafe.
- Possession, use, storage, and maintenance of sources and gauges or XRFs are consistent with the limitations in the license, the Sealed Source and Device Registration sheet(s), and manufacturer's recommendations and instructions.
- Assure that only individuals authorized by the license use the radioactive material. Maintain a list of current authorized users, and issue each authorized user a "Certificate of Use" card that shall be carried by all users.
- Instruct personnel in proper radiation protection practices, ensure training, and maintain training records.
- For applicants who perform their own maintenance, repair or analysis of test samples for leakage and/or contamination (leak/wipe tests), conduct or have conducted radiation monitoring where indicated and keep records of such monitoring, including summaries of corrective measures recommended and/or instituted.
- Assure that personnel monitoring devices are used where indicated, exchanged at required intervals and that records are maintained of the results of such monitoring.
- Review dosimetry reports for all monitored personnel to determine if unnecessary exposures are being received.
- Provide written notifications of annual radiation exposures to all monitored personnel as required by 180 NAC 10-004
- Investigate each known or suspected case of excessive or abnormal exposure to determine the cause and take steps to prevent its recurrence.
- Be immediately available to serve as a point of contact with the Agency and give assistance in case of emergency (e.g., portable device damage, fire, theft, etc.).
- Assure that the Radiation Protection Program is implemented and reviews are performed in accordance with the regulations.
- Assure that the proper authorities (i.e., IDNS, local police, U.S. Dept. of Transportation, Nebraska Department of Health and Human Services, etc.) are notified promptly in case of accident, damage, theft or loss of the portable devices.



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Authorization

- Unusual occurrences involving the gauge or XRF (e.g., accident, damage) are investigated, cause(s) and appropriate corrective action are identified, and corrective action is taken.
- Assure that portable devices are properly secured against unauthorized removal at all times when they are not in use, including storage at temporary job sites.
- Up-to-date license is maintained and amendment and renewal requests submitted in a timely manner.
- Assure that the terms and conditions of the license (e.g., periodic leak/wipe tests, inventories, etc.) are met and that the required records (e.g., personnel exposure, leak/wipe test, accountability, inventory, etc.) are maintained and periodically reviewed for compliance with IDNS regulations and license conditions.
- Assure that the portable devices are transported in compliance with all applicable U.S. Department of Transportation regulations (e.g., labeling, marking, shipping papers, container blocking and bracing, etc.).
- Emphasize the ALARA philosophy to authorized users, instruct personnel on current procedures and provide guidance on relevant changes to reduce exposure levels.
- Conduct a audit at least annually of the radiation protection program's content and implementation, as required by 180 NAC 4-004.03.
- Radioactive material is disposed of properly.

REFERENCE FOLLOWING NRC NUREG-1556 Appendix H, Nebraska DHHS Appendix E



## ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

## Name and Address of Applicant and/or Licensee

Cory L. Denham, Radiation Safety Officer  
TEAM Services, Inc.  
717 SE 6th Street  
Des Moines, Iowa 50309

## Date

02/11/2019

## License Number(s)

14-29336-01

## Mail Control Number(s)

611289

## Licensing and/or Technical Reviewer or Branch

C. Hill

This is to acknowledge receipt of your: ☐ Letter and/or ☒ Application Dated: 02/11/2019

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 complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>  
Follow the instructions on the form for submission.

☐ The following administrative omissions have been identified:

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

✓ 2/11/19

BETWEEN:

Accounts Receivable/Payable  
and  
Regional Licensing Branches

[ FOR ARPB USE ]  
INFORMATION FROM WBL

Program Code: 03121  
Status Code: Pending Renewal  
Fee Category: 3P  
Exp. Date:  
Fee Comments:  
Decom Fin Assur Req'd: N

## License Fee Worksheet - License Fee Transmittal

### A. REGION

#### 1. APPLICATION ATTACHED

Applicant/Licensee: TEAM Services, Inc.  
Received Date: 02/11/2019  
Docket Number: 3037929  
Mail Control Number: 611289  
License Number: 14-29336-01  
Action Type: Renewal

#### 2. FEE ATTACHED

Amount: \_\_\_\_\_

Check No.: \_\_\_\_\_

#### 3. COMMENTS

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

### 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: \_\_\_\_\_