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DATE: August 7, 2007 NUMBER OF PAGES: 20
(Including this page)

SEND TO: William Witzig

LOCATION: Alt & Witzig Engineering, Inc.

FAX NUMBER: (317) 876-3705 ☒ **VERIFY BY CALLING**
SENDER

FROM:
(SENDER) **Bill Reichhold**

TELEPHONE NUMBER **(630) 829-9839** FAX NUMBER **(630) 515-1078**

If you do not receive the complete fax transmittal, please contact the sender as soon as possible at the telephone number provided above.



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MESSAGE

Please see accompanying documents.

NOTICE

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by telephone and return the original to the above address, by U.S. Mail. Thank you.

1. The U.S. Nuclear Regulatory Commission (NRC) issued NUREG-1556, Volume 1, Revision 1, to provide guidance for completing an application for the use of sealed sources in portable gauging devices. NUREG-1556, Volume 1, Revision 1, outlines the necessary information needed to apply for a portable gauge license. Please resubmit your renewal application in accordance with the new guidance in NUREG-1556, Volume 1, Revision 1 (see new checklist format). You may obtain a copy of NUREG-1556, Volume 1, Revision 1 from the NRC website at:

<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v1/r1/>

Also please see "revised" Appendix H on the website.

2. The NRC also issued NUREG-1556, Volume 7, to provide guidance for completing an application for using gas chromatography devices. NUREG-1556, volume 7, outlines the necessary information needed to apply for a gas chromatograph license. Please resubmit your renewal application in accordance with the new guidance in NUREG-1556, Volume 7 (see new checklist format). You may obtain a copy of NUREG-1556, Volume 7, from the NRC website at:

<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v7/>

3. Please provide information on the final disposition (returned to the manufacturer, transferred to another location of storage, etc.) of the CPN Corporation Model MC nuclear moisture/density gauge, serial MD61203512 that was stored at the 1400 Pugh Street, Suite 23, Kenbell Plaza, Terre Haute, Indiana.
4. Please specify the total activity you wish to possess for each radionuclide. For example, no single source of cesium-137 to exceed 10 millicuries, total activity 50 millicuries.

Please send a facsimile of your response to the above within 7 days and refer to control **316124**. Please call me at 630-829-9839 if you have any questions.

From the desk of:



Bill Reichhold

Appendix B

Suggested Format for Providing Information Requested in Items 5 through 11

ITEMS 5 AND 6: MATERIALS TO BE POSSESSED AND PROPOSED USES

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
		Cesium-137	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input type="checkbox"/> Specific description of the gauge use: _____ _____ _____ _____ _____ _____	<input type="checkbox"/> Not applicable <input type="checkbox"/> Uses are: _____ (Submit safety analysis supporting safe use)
		Americium-241	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input type="checkbox"/> Specific description of the gauge use: _____ _____ _____ _____ _____ _____	<input type="checkbox"/> Not applicable <input type="checkbox"/> Uses are: _____ (Submit safety analysis supporting safe use)

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Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
		Californium-252	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input type="checkbox"/> Specific description of the gauge use: _____ _____ _____ _____ _____	<input type="checkbox"/> Not applicable _____ <input type="checkbox"/> Uses are: _____ (Submit safety analysis supporting safe use)
		Other Isotope (Specify):	Sealed source manufacturer or distributor and model number: _____ Device manufacturer or distributor and model number: _____	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input type="checkbox"/> Specific description of the gauge use: _____	<input type="checkbox"/> Not applicable _____ <input type="checkbox"/> Uses are: _____ (Submit safety analysis supporting safe use)
Financial Assurance Required and Evidence of Financial Assurance Provided						

ITEMS 7 THROUGH 11: TRAINING AND EXPERIENCE, FACILITIES AND EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE DISPOSAL

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE - RADIATION SAFETY OFFICER Name: _____	Before obtaining licensed materials, the proposed RSO 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. 1, dated November 2001.	<input type="checkbox"/>	<input type="checkbox"/>
8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS	Before using licensed materials, authorized users will have successfully completed one of the training course described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, Rev 1, dated November 2001.	<input type="checkbox"/>	<input type="checkbox"/>
9. FACILITIES AND EQUIPMENT	No information needs to be submitted in response to this item; key issues are addressed under "Radiation Safety Program - Public Dose" and "Radiation Safety Program - Operating and Emergency Procedures."	Separate Item 9 Response Need Not Be Submitted With Application	
10. RADIATION SAFETY PROGRAM - AUDIT PROGRAM	The applicant is <i>not</i> required to, and should not, submit its audit program to NRC for review during the licensing phase.	Need Not Be Submitted With Application	
10. RADIATION SAFETY PROGRAM - TERMINATION OF ACTIVITIES	The applicant is <i>not</i> required to submit a response to the termination of activities section during the initial application. However, when the license expires when the licensee ceases operation, NRC Form 314 must be submitted.	Need Not Be Submitted With Application	
10. RADIATION SAFETY PROGRAM - SURVEY INSTRUMENTS	We will either possess and use, or have access to and use, a radiation survey meter that meets the Criteria in the section entitled "Radiation Safety Program - Instruments" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.	<input type="checkbox"/>	<input type="checkbox"/>

APPENDIX B

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10. RADIATION SAFETY PROGRAM – MATERIAL RECEIPT AND ACCOUNTABILITY	Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.	<input type="checkbox"/>	<input type="checkbox"/>
10. RADIATION SAFETY PROGRAM – OCCUPATIONAL DOSIMETRY	Either we will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20, or we will provide dosimetry processed and evaluated by an NVLAP-approved processor that is exchanged at a frequency recommended by the processor.	<input type="checkbox"/>	<input type="checkbox"/>
10. RADIATION SAFETY PROGRAM – PUBLIC DOSE	The applicant is <i>not</i> required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.	Need Not Be Submitted With Application	
10. RADIATION SAFETY PROGRAM – OPERATING AND EMERGENCY PROCEDURES	We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1, dated November 2001, and provide copies of these procedures to all gauge users and at each job site.	<input type="checkbox"/>	<input type="checkbox"/>
	OR Operating and emergency procedures will be developed, implemented, and maintained and will meet the criteria in the section entitled "Radiation Safety Program – Operating and Emergency Procedures" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.	<input type="checkbox"/>	
10. RADIATION SAFETY PROGRAM – LEAK TEST	Leak tests will be performed at intervals approved by NRC or an Agreement State and specified in the Sealed Source and Device Registration Sheet. Leak 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.	<input type="checkbox"/>	<input type="checkbox"/> The information in Appendix J supporting a request to perform leak testing and sample analysis is attached.

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10. RADIATION SAFETY PROGRAM – MAINTENANCE	<p><i>Routine Cleaning and Lubrication</i></p> <p>We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.</p> <p><i>Non-Routine Maintenance</i></p> <p>We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p>The information listed in Appendix G supporting a request to perform non-routine maintenance in-house is attached.</p>
10. RADIATION SAFETY PROGRAM – TRANSPORTATION	The applicant is <i>not</i> required to submit its response to transportation during the licensing process. However, this issue will be reviewed during inspection.	Need Not Be Submitted With Application	
11. WASTE MANAGEMENT – GAUGE DISPOSAL AND TRANSFER	The applicant is <i>not</i> 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.	Need Not Be Submitted With Application	

Appendix D

Gas Chromatography Devices and X-ray Fluorescence Analyzer Applications

Gas Chromatography Devices and X-ray Fluorescence Analyzer Applications

This appendix is designed either to assist the applicant with obtaining a separate license for a gas chromatograph (GC) and/or an X-RAY fluorescence analyzer (XRF) or to be used as part of a license application that may contain other requested radioisotopes and proposed uses.

Regulations

Licensees are subject to all applicable provisions of the regulations in 10 CFR Parts 20, 21, 30, 71, 170 as they pertain to GC and XRFs.

Information for completing Items 1 through 4 of the application have already been provided in this NUREG.

Additional information for Item 3 is requested below.

Item 3: Address(es) Where Licensed Material Will Be Used or Possessed

Specify the street address, city, and state or other descriptive address (e.g., on Highway 10, 5 miles east of the intersection of Highway 10 and State Route 234, Anytown, State) for each facility at which licensed material will be used or stored. A Post Office Box address is not acceptable. In addition, state whether GC/XRFs will be used at temporary jobsites.

Item 5: Material to Be Possessed

- 1 Provide the radioisotopes(s) that will be used in each GC/XRF.
- 2 Provide the manufacturer and model number of the detector cell, foil source, plated source, or sealed source that will be used in each GC/XRF.
- 3 Specify the quantity (activity) of radioactive material that will be in each foil source, plated source, or other sealed source. Provide the number of sources of each foil source, plated source or sealed source that will be possessed, if known. If the total number for each type of source is unknown, provide an anticipated total.

Note: GCs that contain titanium tritide foils or scandium tritide foils require operating temperature control mechanisms and venting to the outside. Provide information on operating temperature controls and venting information with the application, if these kinds of foils are requested in the application. See license condition no. 15 of the sample GC at the end of this appendix.

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Item 6: Purpose For Which Licensed Material Will Be Used

Specify the purpose for which each GC/XRF will be used.

Note: For use of portable GCs and/or XRFs, refer to NUREG - 1556, Vol. 1, for additional guidance about portable devices containing licensed material.

Item 7: Individual(s) Responsible For Radiation Safety Program And Their Training And Experience - Radiation Safety Officer

Provide the name of the person(s) who will be responsible for the GCs/ XRFs. That person(s) will be specifically named on the license.

If no repair or maintenance on the GC/XRFs is proposed by the applicant, then no specific training and experience in the use and handling of radioactive materials is necessary for individuals who will use the device(s) or supervise its use. No special training or experience is needed to perform leak tests using a leak-test kit or to clean detector cells used in GC devices, provided the source or foil is not removed from the detector cell.

If the applicant proposes to perform any operations that involve removal of sources containing radioactive material from the device or maintenance and repair of a device that involves the source, then they must ensure a "responsible individual" performs these operations. The responsible individual shall have received instruction and training in the principles and practices of radiation safety, the use of radiation detection instruments, and the performance of these operations. Such training may normally be accomplished in 1 or 2 days. In the application, provide the following information:

- Name of each responsible individual who will perform the operations
- Outline of the instruction and training each responsible individual has received in the principles and practices of radiation safety, the use of radiation detection instruments, and the operations that will be performed, including actual practice in performing the operations. The amount of time spent on each topic in the training should be specified.

Item 8: Training Provided to Other Users

Persons who will only use a GC or XRF under the supervision of the responsible individual named in Item 7 need no special training and their names do not need to be submitted. These supervised individuals should not be permitted to perform any maintenance or repair operations. Only responsible individuals specifically named in Item 7 shall perform such operations.

Item 9: Facilities And Equipment

10 CFR 30.33(a)(2) states that an application will be approved if the applicant's proposed equipment and facilities are adequate to protect health and to minimize danger to life or property. 10 CFR 20.1801 and 20.1802 also state that licensed material stored in an unrestricted area must be secured from unauthorized removal, and licensed materials in an unrestricted area and not in storage must be under the constant surveillance and immediate control of the licensee.

The room, laboratory, or storage area in which the device is located should be (1) accessible only to persons authorized to use the device and (2) locked when an authorized person is not physically present. The application should state that the laboratory or area will be locked or secured when an authorized person is not present. The room, laboratory, or storage area cannot be considered a restricted area if it is accessible to unauthorized persons.

Item 10: Radiation Safety Program**10.1 Audit Program**

Licensees must review the content and implementation of their radiation protection programs annually, to ensure compliance with NRC regulations and with the terms and conditions of the license. Appendix J contains a suggested audit program that is acceptable to NRC. All areas indicated in Appendix J may not be applicable to every licensee and may not need to be addressed during each audit.

10.2 Radiation Detection Instruments

A survey meter for routine uses of GC/XRF is not required.

If maintenance and repair operations are proposed as described in Item 7, and the operations involve the sealed source, provide information about what surveys will be performed, what type of survey meter will be used for conducting surveys, the range of the survey instrument, and calibration information including frequency of calibration. It is not necessary to specify the manufacturer and model number of the survey meter. For more information on survey meters, see "Radiation Safety Program - Instruments," in the main body of this NUREG.

10.3 Material Receipt and Accountability

Licensees are required to maintain records of receipt, transfer, and disposal of licensed material. Loss, theft, or misplacement of licensed material can occur; therefore control and accountability of GC/XRFs must be ensured. Licensees who use and/or possess sealed sources are required by license conditions to perform inventories of sealed sources every six months (see sample license, condition no. 16). Some sealed sources may not be in use or are rarely used and are placed in

APPENDIX D

storage. In these cases, licensees should confirm that these sealed sources have not been disturbed at least every 6 months.

10.4 Personnel Monitoring Equipment

Personnel monitoring devices are not required for the following:

- Routine use and normal operation of GC/XRFs
- Maintenance and repair operations described in Item 7, if the radiation source in the GC/XRF is in a gaseous form or is nickel-63 (Ni-63).

If proposed uses of GC/XRFs include the maintenance and repair operations described in Item 7, and these operations involve sealed sources other than in gaseous form or Ni-63, an evaluation for personnel monitoring devices is required for persons performing these operations.

The application should indicate that maintenance and/or repair personnel will be provided with either film badges or thermoluminescence dosimeters (TLDs) for use while performing service operations or provide a dose evaluation which indicates that personnel will not be required to wear monitoring devices.

10.5 Leak-Testing

NRC requires testing to determine whether there is any radioactive leakage from sealed/plated foil sources. Records of surveys and leak tests results must be maintained.

When issued, a license will require performance of leak tests of sealed/plated foil sources at intervals as approved by NRC or an Agreement State and specified by the SSD Registration Certificate. The measurement of the leak-test sample is a quantitative analysis requiring that instrumentation used to analyze the sample be capable of detecting 185 Bq (0.005 μ Ci) of radioactivity.

Manufacturers, consultants, and other organizations may be authorized by NRC or an Agreement State either to perform the entire leak test sequence for other licensees or to provide leak test kits to licensees. In the latter case, the licensee is expected to take the leak test sample according to the sealed source or plated foil manufacturer's (distributor's) and the kit supplier's instructions and return it to the kit supplier for evaluation and reporting results. Leak test samples should be collected at the most accessible area where contamination would accumulate if the sealed source were leaking. Licensees may also be authorized to conduct the entire leak test sequence themselves. For more information about leak testing sealed/plated foil sources, see "Radiation Safety Program - Surveys," in the main body of this NUREG.

10.6 Maintenance and Repair

If authorization has been requested to perform maintenance and repair operations as stated in Item 7, then state in the application that the written procedures provided by the device manufacturer will be followed for each such operation requested. If a procedure will be followed other than that provided by the device manufacturer, submit a proposed procedure to use for each operation requested.

10.7 Transportation

If authorization has been requested in the application to use GC/XRFs at a temporary jobsite, the applicant must take into consideration DOT regulations, particularly blocking and bracing the device containing licensed material. The applicant is not required to submit transportation information with the application.

10.8 Minimization of contamination

New license applicants are required by 10 CFR 20.1406 to describe how facility design and procedures for operation will minimize, to the extent practicable, contamination of the facility and the environment, facilitate eventual decommissioning, and minimize, to the extent practicable, the generation of radioactive waste.

Item 11: Waste Management

Because of the nature of the licensed material contained in GC/XRF devices, the usual disposal option is to transfer the licensed material to an authorized recipient. State in the application that disposal will be by transfer of the radioactive material to a licensee specifically authorized to possess it, or provide information for an alternate method of disposal for NRC review.

Authorized recipients are the original supplier of the device, a commercial firm licensed by NRC or an Agreement State to accept radioactive waste from other persons, or another specific licensee authorized to possess the licensed material. No one else is authorized to receive licensed material.

Suggested Format for Providing Information Requested in Items 1 through 4 of NRC Form 313

D.1 ITEM 1: ACTION TYPE

ACTION TYPE: <input type="checkbox"/> New <input type="checkbox"/> Amendment <input type="checkbox"/> Renewal	ADMINISTRATIVE REVIEW: <input type="checkbox"/> Current Guidance Used <input type="checkbox"/> References in Application Based On Current Regulations <input type="checkbox"/> All Attachments Referenced Included <input type="checkbox"/> Signature on Application
---	---

D.2 ITEM 2: LEGAL IDENTITY

NAME:	
--------------	--

D.3 ITEMS 2 & 3: ADDRESS

STORAGE & LOCATION OF USE ADDRESS:	MAILING ADDRESS:
Temporary Job Sites <input type="checkbox"/> YES <input type="checkbox"/> NO	

D.4 ITEM 4: PERSON TO BE CONTACTED ABOUT THIS APPLICATION

CONTACT PERSON:	
TELEPHONE NUMBER:	

Suggested Format for Providing Information Requested in Items 5 through 11 of NRC Form 313.

D.5 ITEMS 5 & 6: MATERIALS TO BE POSSESSED AND PROPOSED USES

Yes	No	Radioisotope	Mfg/model No.	Quantity	Purpose of Use	Specify Other Uses Not Listed on SSD Certificate
		Hydrogen-3 ¹	Sealed sources in a compatible device as specified in Sealed Source and Device Registration Sheet	Not to exceed maximum activity per source as specified in Sealed Source and Device Registration Sheet	Measure Physical Properties of Materials	<input type="checkbox"/> Not applicable <input type="checkbox"/> Uses are:
		Nickel-63	Sealed sources in compatible device as specified in Sealed Source and Device Registration Sheet	Not to exceed maximum activity per source as specified in Sealed Source and Device Registration Sheet	Measure Physical Properties of Materials	<input type="checkbox"/> Not applicable <input type="checkbox"/> Uses are:
		Americium-241	Sealed sources in compatible device as specified in Sealed Source and Device Registration Sheet	Not to exceed maximum activity per source as specified in Sealed Source and Device Registration Sheet	Measure Physical Properties of Materials	<input type="checkbox"/> Not applicable <input type="checkbox"/> Uses are:

APPENDIX D

Yes	No	Radioisotope	Mfg/model No.	Quantity	Purpose of Use	Specify Other Uses Not Listed on SSD Certificate
		Other (specify)				

¹ If titanium tritide foils or scandium tritide foils are requested, provide operating temperature control and venting information. (See "Note" in Item 5 of this appendix.)

D.6 ITEMS 7 THROUGH 11: TRAINING AND EXPERIENCE, FACILITIES AND EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE DISPOSAL

Item No.	Title and Criteria	Yes	Description Attached
7	<p>INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE</p> <p>RSO</p> <p>Name: _____</p> <p>Before obtaining licensed materials, the proposed RSO will have successfully completed the training described in Appendix D, in NUREG - 1556, Vol. 7.</p> <p style="text-align: center;">AND</p> <p>Before being named as the RSO, future RSOs will have successfully completed the training described in Appendix D, in NUREG - 1556, Vol. 7.</p>	<p>[]</p> <p>[]</p>	<p>[]</p>
8	<p>TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</p> <p>Individuals working under the supervision of a responsible person named in item 7, above, are not required to have any specific radiation safety training prior to using a GC/XRF.</p>		N/A

Item No.	Title and Criteria	Yes	Description Attached
9	<p>FACILITIES AND EQUIPMENT</p> <p>Describe the facilities where GC/XRFs will be used and stored. Additional information regarding the use and storage of GC/XRFs at a temporary jobsite should also be included in the response.</p>		Submit description with application.
10	<p>RADIATION SAFETY PROGRAM</p> <p>Audit Program</p> <p>The applicant is not required to, and should not, submit its audit program to the NRC for review during the licensing phase.</p> <p>Survey Instruments</p> <p>No survey instrument is required if proposed use involves neither the removal of sources from the device nor any maintenance and repair of a device that involves the source.</p> <p style="text-align: center;">OR</p> <p>If the applicant proposes to perform operations that involve the removal of sources from the device or maintenance and repair of a device that involves the source, we will possess or have access to a radiation survey meter that meets the requirements in the procedures for performing removal or repair of the sources.</p> <p>Material Receipt and Accountability</p> <p>Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.</p>		N/A
		<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

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Item No.	Title and Criteria	Yes	Description Attached
10	<p>RADIATION SAFETY PROGRAM (Cont'd)</p> <p>Occupational Dosimetry</p> <p>No personnel monitoring is required if proposed use does not involve the removal of sources from the device or any maintenance and repair of a device that involves the source.</p> <p style="text-align: center;">OR</p> <p>If the applicant proposes to perform operations that involve the removal of sources from the device or maintenance and repair of a device that involves a source (other than in gaseous form, H-3 or Ni-63), we will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20, or "we will provide dosimetry processed and evaluated by a NVLAP-approved processor that is exchanged at a frequency recommended by the processor."</p> <p>Public Dose</p> <p>The applicant is not required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.</p> <p>Leak Test</p> <p>Leak tests will be performed at intervals specified in the Sealed Source and Device Registration Certificate. Leak 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.</p>	<div data-bbox="1201 532 1234 563">[]</div> <div data-bbox="1201 766 1234 798">[]</div> <div data-bbox="1201 1489 1234 1521">[]</div>	<div data-bbox="1327 766 1360 798">[]</div> <div data-bbox="1268 1255 1335 1287">N/A</div> <div data-bbox="1327 1489 1360 1521">[]</div>

Item No.	Title and Criteria	Yes	Description Attached
10	<p>RADIATION SAFETY PROGRAM (Cont'd)</p> <p>Maintenance</p> <p>If authorization has been requested to perform the maintenance and repair operations described in Item 7, state in the application that the written procedures provided by the device manufacturer will be followed for each such operation requested.</p> <p style="text-align: center;">OR</p> <p>If a procedure will be followed other than that provided by the device manufacturer, submit a proposed procedure to use for each operation</p> <p>Transportation</p> <p>The applicant is not required to submit its response to transportation during the licensing process; however, this issue will be reviewed during inspection.</p> <p>Minimization of Contamination</p> <p>The applicant is not required to submit a response to the minimization of contamination section if the applicant's responses meet the criteria for the following sections: "Radiation Safety Program - Leak Tests," "Facilities and Equipment," and "Waste Management."</p>	<p>[]</p> <p>[]</p>	<p>[]</p> <p>N/A</p> <p>N/A</p>
11	<p>WASTE MANAGEMENT</p> <p>GC/XRFs Disposal & Transfer</p> <p>The applicant is not required to submit a response to waste management during the licensing process. The licensee should, however, develop, implement, and maintain GC/XRF transfer and disposal procedures in its radiation safety program.</p>	<p>N/A</p>	<p>N/A</p>

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MESSAGE



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SEND TO: William Witzig - President and Radiation Safety Officer

LOCATION: Alt & Witzig Engineering, Inc.

FAX NUMBER: (317) 876-3705 ☒ **VERIFY BY CALLING
SENDER**

FROM:
(SENDER) **Bill Reichhold**

TELEPHONE NUMBER **(630) 829-9839** FAX NUMBER **(630) 515-1078**

If you do not receive the complete fax transmittal, please contact the sender as soon as possible at the telephone number provided above.

MESSAGE

Please see accompanying documents.

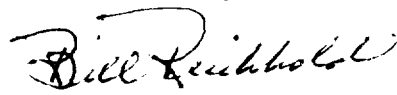
NOTICE

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by telephone and return the original to the above address, by U.S. Mail. Thank you.

Thank you for your response facsimile letter dated August 16, 2007. We have most of the information needed to complete your license renewal, however, we still need clarification on the following items:

1. Please specify the total activity you wish for each radionuclide on your license (cesium-137, americium-241, and hydrogen-3). For example, if you have 10 Troxler 3400 gauges each gauge containing 9 millicuries of cesium-137, you should request a total possession limit of 90 millicuries for cesium-137.
2. Please confirm that 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, Volume 1, Revision 1 dated November 2001.
3. Please confirm that you will possess a radiation survey meter that meets the Criteria in the section entitled "Radiation Safety Program - Instruments" in NUREG-1556, Volume 1, Revision 1, dated November 2001.
4. Please note, we cannot remove the Safety Light Model 508-3 scintigraphy gas chromatograph (containing hydrogen-3) until you have disposed of this device. Therefore, we will still list the gas chromatograph on your license for the renewal document and remove it by an amendment at a later date.
5. Please specify the address where the gas chromatograph is stored.

Please send a facsimile of your response to the above within 5 days and refer to control **316124**. Please call me at 630-829-9839 if you have any questions.

From the desk of:

Bill Reichhold