



CONVERSATION RECORD

NAME OF PERSON(S)/TITLE CONTACTED OR IN CONTACT WITH YOU		DATE OF CONTACT	TYPE OF CONVERSATION	
Thomas A. Schumacher, MS, CHP		06/09/2021	<input type="checkbox"/> E-MAIL	<input type="checkbox"/> INCOMING <input checked="" type="checkbox"/> OUTGOING
E-MAIL ADDRESS	TELEPHONE NUMBER		<input checked="" type="checkbox"/> TELEPHONE	
radphysics@msn.com	(317) 251-0193			
ORGANIZATION	DOCKET NUMBER(S)			
Modular Devices, Inc.	030-39269			
LICENSE NAME AND NUMBER(S)	MAIL CONTROL NUMBER(S)			
Modular Devices, Inc. 13-35634-01	CN 625466			
SUBJECT				
Pending New NRC License Request - Modular Devices, Inc.				
SUMMARY AND ACTION REQUIRED (IF ANY)				
<p>This is a record of the conversation between Laura Cender and Thomas Schumacher of Modular Devices, Inc., regarding the application requesting a new NRC license. Per our discussion today, please provide a response to the following items by no later than Friday, June 25, 2021. Please ensure that your response is dated, and signed by responsible management of Modular Devices, Inc. .</p> <p>1. Fee Category The incoming application stated that the license fee category is 3.E. and a new license fee payment for \$3,200 was included. Following review of the application it has been determined that the actual fee category is 3.P. for program code 03124 Measuring Systems - Other, which includes sources for instrument calibration. The new license fee payment is \$4,700 and the difference of \$1,500 will need to be paid prior to issuance of the license.</p> <p>2. Financial Assurance and Recordkeeping for Decommissioning. State the following: "Pursuant to 10 CFR 30.35(g), 10 CFR 40.36(f), and 10 CFR 70.25(g) and 10 CFR 70.51(b)(3), as appropriate, we will maintain records important to decommissioning and transfer these records to an NRC or Agreement State licensee before licensed activities are transferred or assigned, in accordance with 10 CFR 30.34(b), 10 CFR 40.46, and 10 CFR 70.36, as appropriate. Furthermore, pursuant to 10 CFR 30.51(f), 10 CFR 40.61(f), and 10 CFR 70.51(a)(3), as appropriate, prior to license termination, we will forward the records required by 10 CFR 30.35(g), 10 CFR 40.36(f), and 10 CFR 70.25(g), as appropriate, to the appropriate NRC Regional Office."</p>				
NAME OF PERSON DOCUMENTING CONVERSATION				
Laura B. Cender				
SIGNATURE			DATE OF SIGNATURE	
			06/09/2021	

CONVERSATION RECORD (continued)

LICENSE NAME AND NUMBER(S)

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Modular Devices, Inc.
13-35634-01

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SUMMARY AND ACTION REQUIRED (IF ANY) (Continued)

3. Individual(s) Responsible for Radiation Safety Program and Their Training and Experience.

- a.) Provide a Delegation of Authority memo (attached) for Thomas A. Schumacher, MS, CHP. The memo should be signed by both Mr. Schumacher and senior management for Modular Devices, Inc.
- b.) Provide a copy of Mr. Schumacher's American Board of Health Physics certification.
- c.) Provide a description of the training that will be provided for AU's (persons who will use or supervise the use of licensed material. Provide information demonstrating that each proposed AU will be qualified by training and experience to use the requested licensed materials per the requirements of 10 CFR 30.33(a); information should include, as a minimum, a description of:
 - formal training or education in radiation safety [topics covered; duration of training; when training was received; identity and location of training provider (note: a course outline may be provided)
 - formal radiation safety training should include radiation protection principles, characteristics of ionizing radiation, units of radiation dose and quantities, radiation detection instrumentation, and biological hazards of exposure to radiation (appropriate for their type and form of byproduct material to be used.
 - a description of hands-on training using licensed materials (types; forms; quantities handled; activities performed; duration of experience)

4. Facilities and Equipment

-Provide a facility diagram that indicates each location where radioactive material will be used, received, and stored/secured. Indicate the proximity of radiation sources to unrestricted areas. Please ensure that the a brief description of the surrounding areas are included on the diagram (i.e. office space, restroom, storage, etc.). Diagrams should be drawn to a specified scale, or dimensions should be indicated.

5. Radiation Monitoring Instruments

State that: "We will use instruments that meet the radiation monitoring instrument specifications published in Appendix I in NUREG-1556, Volume 7, Revision 1, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope.' We reserve the right to upgrade our survey instruments as necessary."

6. Instrument Calibration

-State that instruments will be calibrated before first use, at least annually thereafter, and after any repair, by a vendor that the NRC or an Agreement State has licensed to perform instrument calibration. OR
-State that: "We will implement the model radiation survey meter calibration program published in Appendix I in NUREG-1556, Volume 7, Revision 1 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope.'" OR
-Submit equivalent procedures for instrument calibrations.

CONVERSATION RECORD (continued)

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SUMMARY AND ACTION REQUIRED (IF ANY) (Continued)

7. Material Receipt and Accountability

- State that: "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. Records of inventory will be maintained for a period of 5 years from the date of each inventory, and will include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory." OR
- Provide a description of the procedures for ensuring that no sealed sources have been lost, stolen, or misplaced.

8. Safe Use of Radionuclides, Security, and Emergency Procedures

State that: "We will develop, implement, and maintain procedures for safe use, security and emergencies."
OR

State that: "We will adopt the procedures for the safe use of radionuclides, security and emergencies as published in Appendix L in NUREG-1556, Volume 7, Revision 1, 'Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope.'" OR

Provide procedures for safe use of radionuclides, security of materials and emergencies.

9. Leak Tests

State: "Leak tests will be performed at the intervals approved by the NRC or an Agreement State and specified in the SSD registration certificate."

Please note that this request for additional information was generated in accordance with the agency guidance document NUREG 1556 Vol. 7 Rev. 1 "Program Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope."