9/6/2016

Mr. Hubert Florit, Corp. Radiation Safety Officer
Sky Testing Services, Inc.
25 Kinkel Street
Westbury, NY 11590

License No.: 31-35370-01
Docket No: 03038989
Control No: 591655

Mr. Hubert Florit,

This refers to your application for a new license dated July 20, 2016 (application). In order to continue our review of your application, we need additional information. You may find it useful to reference NRC's guidance document NUREG–1556, Vol. 2, Rev. 1, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Industrial Radiography Licenses," (NUREG-1556, Vol. 2) when drafting your response. The information we need to continue our review is as follows:

1. You application contained sensitive, security-related information. This information should be marked as "security-related sensitive" information and provided to only those individuals deemed trustworthy and with a need to access such information. You may consider use of RIS 2005-31 http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/ri200531.pdf

2. NUREG 1556, Vol. 2, Section 8.5.1, requests applicants to identify the manufacturer (or distributor) and model number of each sealed source you plan to possess.

   a. Your application identified the sealed source model number, but did not list the manufacturer. Please identify the manufacturer for the Model A424-9 and A424-25W sealed sources.

   b. Your application requested 999 kilograms of depleted uranium per device for radiography device shielding. Please clarify if you intended your request to be per device or a total quantity.

3. Section 8.2 of NUREG-1556, Vol. 2, Item 2: "Name and Mailing Address of Applicant," requires, in part, that the applicant provide the mailing address where correspondence should be sent. In Item 2 of your application, you provided the address 25 Kinkel St., Westbury, NY; however, Section 1 of your Operating and Emergency Procedures states

the Corporate Headquarters address is 6305 Court Street Road, East Syracuse, NY. Please confirm the corporate address where official NRC correspondence should be sent.

4. NUREG 1556, Volume 2, Section 8.5.1, requests applicants to identify by radioisotope and manufacturer (or distributor) and model number any other sealed sources containing byproduct material (i.e., any source that will not be used for performing radiography). Please provide the radioisotope, manufacturer, and model number of each source that you plan to possess that will not be used in radiography, or confirm that you do not plan to possess any sources other than radiography sources at your Meriden, CT, facility.

5. NUREG 1556, Volume 2, Section 8.5.1, requests applicants to make the following commitments regarding the use of sealed sources:

   a. Confirm that each sealed source, device, and source/device combination possessed is registered as an approved sealed source or device by the NRC or an Agreement State and will be possessed and used in accordance with the conditions specified in the registration certificate. Obtain from the manufacturer/distributor a copy of the SSD registration certificate and provide the sealed source and device registry number with the application.

   b. Confirm that associated equipment is compatible with the exposure devices, source changers, and sealed sources containing byproduct material.

   c. Confirm that all radiographic exposure devices, source assemblies, or sealed sources, and all associated equipment, which meet the requirements specified in 10 CFR 34.20, will be used in radiographic operations.

   Your application dated July 20, 2016, did not include these commitments. Please provide these commitments. You may wish to refer to pages 8-6 and C-1 of NUREG 1556, Vol. 2.

6. NUREG 1556, Vol. 2, Section 8.5.2, requests license applicants to state the following: “Pursuant to 10 CFR 30.35(g), we shall 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). Furthermore, pursuant to 10 CFR 30.51(f), prior to license termination, we shall forward the records required by 10 CFR 30.35(g) to the appropriate NRC regional office.” Your application dated July 20, 2016, did not include this statement. Please provide this statement.

7. NUREG 1556, Vol. 2, Rev. 1, Section 8.13, specifies that a representative of the corporation signing the license application must be authorized to make binding commitments and to sign official documents on behalf of the applicant. We noted that

your proposed Radiation Safety Officer for Sky Testing Services, Inc., Mr. Hubert Florit, signed the license application. Please confirm that Mr. Florit is a management representative who is duly authorized to act for and on behalf of Sky Testing Services, Inc., and has authority to provide necessary resources to achieve regulatory compliance, or please have a management representative sign the Application for Materials license, and resubmit to the NRC.

8. NUREG 1556, Vol. 2, Section 8.8, requests applicants to provide a copy of a typical examination and the correct answers to the examination questions, and to indicate what is a passing grade. Your July 20, 2016, license application did not include a copy of a typical examination with correct answers. Please provide a copy of a typical examination given to prospective radiographers with the answers to the questions and identify the minimum passing grade.

9. NUREG 1556, Vol. 2, Section 8.8, requests applicants to describe the practical field examination that will be given to prospective radiographers and radiographer's assistants. This should include the use of the exposure device, sealed sources, daily inspection of devices and associated equipment, and the use of survey instruments. The NRC suggests using the checklist in Appendix F of this NUREG as a source of potential areas to review during the practical examination.

10. 10 CFR 20.1301(a) requires, in part, that each licensee shall conduct operations so that (1) The total effective dose equivalent to individual members of the public from the licensed operation does not exceed 0.1 rem (1 mSv) in a year; and (2) The dose in any unrestricted area from external sources, does not exceed 0.002 rem (0.02 millisievert) in any one hour. Section 2.5 of your Operating and Emergency Procedures provided with your application states that dose to individuals members of the public shall not exceed 100 Rem in a year. This is contrary to the limit of 0.1 rem in a year stated in 10 CFR 20.1301(a). The Operating and Emergency Procedures must be corrected to reflect the dose limit of 0.1 rem per year.

11. NUREG 1556, Vol. 2, Section 8.8, requests applicants to submit procedures for verifying and documenting the certification status of radiographers and for verifying that their certification remains valid. As a minimum, your procedures for newly hired, previously certified individuals should require documentation that you contacted the certifying entity and confirmed the certification. Your procedures should also ensure that you are aware of certification expiration dates and that individuals with expired certifications do not act as radiographers. Your July 20, 2016, application did not provide this level of detail. Please provide this information.

12. NUREG 1556, Vol. 2, Section 8.8, requests applicants to submit a description of your program for inspecting the job performance of each radiographer and radiographer assistant at intervals not to exceed 6 months, as described in 10 CFR 34.43(c). Appendix F of NUREG 1556, Vol. 2, Rev. 1, provides a sample checklist. Your July 20, 2016, application, did not provide this level of detail. Please provide this information.

13. NUREG 1556, Vol. 2, Section 8.10, specifies that applicants should develop procedures specific to its equipment and program, and in accordance with the recommendations of the equipment manufacturer. The Sentinel 880 Series Source Projector Operating and Maintenance Manual, MAN-027-September 2015, specifies that "after performing the quarterly maintenance, the complete radiography system must be tested by the maintenance program administrator or Radiation Safety Officer. A misconnect test on the exposure device including the radioactive source assembly and remote controls effectively tests the integrity of the entire locking system. This procedure detects long-term wear (or damage) of the interrelated failsafe system including identification of any excess wear on the safety connector assembly, the drive cable connector, the exposure device automatic securing mechanism and the source assembly connectors simultaneously." Your quarterly maintenance procedures submitted in your July 20, 2016, application, did not include this test. Please provide guidance for a source misconnect test in your quarterly maintenance procedures.

14. NUREG 1556, Vol. 2, Section 8.10, requests license applicants to indicate whether radiography and source exchanges will be performed inside or adjacent to your facility at 711 East Main Street, Meriden, CT 06450 (i.e., as if the work is "in the field"), and if so, to describe the location where radiography may be performed and its surroundings, including a description of adjacent property. Your July 20, 2016, application did not provide this level of detail. Please provide this information.

15. NUREG 1556, Vol. 2, Section 8.10, requires applicants to confirm that instrument calibrations will be performed by an NRC or Agreement State licensee specifically authorized to perform instrument calibration. Your July 20, 2016, application did not specifically use this wording. Please confirm that survey instrument calibrations will be performed by an NRC or Agreement State licensee specifically authorized to perform instrument calibrations.

16. The regulations in 10 CFR 20.2207 require that each licensee that manufactures, transfers, receives, disassembles, or disposes of a nationally tracked source shall complete and submit an National Source Tracking Transaction Report to the NRC. Your July 20, 2016, license application did not include a commitment to comply with NSTS reporting requirements described in 10 CFR 20.2207. Please provide this commitment.

Additional Considerations.

1. In your application and in your Operating and Emergency Procedures, when referring to radiation exposure levels, you sometimes use the units of MR/hr. Please confirm that when you used the units of MR/hr (mega-roentgen per hour), you intended to use mR/h (milli-roentgen per hour).

2. Item 10, Page 20: "Records of Personnel Monitoring" – You state that "Records of daily exposures from pocket dosimeter readings and pocket dosimeter calibration records will be retained for three records after the record is made." Please confirm that you meant "the record will be retained for three years after the record is made" or provide an explanation for your record retention.

3. Section 13: The addresses of the NRC Regional Offices listed in your procedures were incorrect. Please update the addresses for all of the NRC Regional Offices in your procedures. The current addresses can be found at: http://www.nrc.gov/about-nrc/locations.html.

4. In several sections where routine surveillance tests are noted, you did not provide procedural guidance regarding actions to take if the procedural test results are not within the limits. Examples:
   - O&E Procedure Item 10, page 15, Rad Surveys – does not provide guidance if survey reveals that source has not retracted into the shield.
   - O&E Procedure Item 9, page 13, does not provide guidance if leak test results exceed the limit (leaking source).
   - O&E Procedure Section 3, page 6, does not include actions to be taken if dosimetry results exceed limits.

5. In the O&E Procedures, wherever the "Emergency Procedures" are referenced, the reference states to refer to Section 14; however, the Emergency Procedures are in Section 13. This should be changed throughout the procedures.

You may obtain a copy of NUREG-1556, Volume 2, Revision 1, on the NRC Web Site at: http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v2/

An electronic version of the NRC's regulations is available on the NRC Web Site at: www.nrc.gov. Additional information regarding use of radioactive materials may be obtained on the NRC Web Site at: http://www.nrc.gov/materials/miau/mat-toolkits.html. This site also provides the link to the toolbox for updated information on the revised regulations for naturally-occurring and accelerator-produced radioactive materials (NARM).

Your response must be an originally signed and dated letter. The letter may be scanned and submitted as a pdf document attached to an email; or it may be transmitted by facsimile to (610) 337-5269; or it may be sent by regular mail. If we do not receive a reply from you within 30 calendar days from the date of this e-mail, we will assume that you do not wish to pursue your application.

Please respond by e-mail to acknowledge that you have received the e-mail request for additional information.