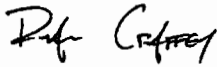


Telephone Contact Questionnaire

Name and title of Interviewer: Ryan Craffey	
Signature of Interviewer: 	
Date of this Interview: 21 February 2017	
Date of Previous Interview: 7 November 2011 (on-site initial inspection)	
QUESTIONS	ANSWERS
Licensee Name, Address, and URL	NSF International 789 N. Dixboro Road Ann Arbor, MI 48113
Licensee's Point of Contact (Name, Address, Phone and FAX Numbers, and URL)	Darrell Williams, RSO 734-769-8010 (main number) 734-418-6603 (direct) dwilliams@nsf.org
License Number Docket Number	21-15209-02 030-38362
1. Name and Title of person responsible for radiation safety program:	Darrell Williams Inorganic Group Leader / RSO
2. Describe how you prevent: (a) use by unauthorized personnel and (b) loss or theft.	Exterior doors to facility locked – key card access by employees only RCA inside facility locked – keys held by AUs or radiation-trained facilities personnel Source storage cabinet in RCA locked – keys held by AUs only
3. Describe how you maintain shielding, restrict access, and control contamination from unsealed material to prevent individuals from becoming exposed to radiation.	Additional shielding not necessary for such small quantities. Contamination control via good lab practices: lab coats, gloves, glasses, etc. Spill procedures established.
4. Describe how you determine radiation doses to workers and members of the public from licensed activities. What was the maximum dose received since the last NRC telephone contact or inspection?	Periodic dose assessments have determined exposures would be less than 10% of occupational limits / less than public limits. Last evaluation in November 2016 as part of program audit.

<p>5. Describe radiation area surveys around licensed activities. What survey instrument (SI) was used? SI's last calibration date? What were the typical radiation levels and at what distance?</p>	<p>Survey areas and individuals immediately after working with stock solution using hand-held GM (last calibrated by service provider on 01/17/17)</p> <p>November 2016 audit found that these surveys weren't being done – investigation completed, analysts re-trained, surveys performed during only use of stock solution (12/06/16) since audit</p> <p>Required per License Condition 15.A (Section 8.10.6.2.2 of AESOP 10579, Issue 1: Radiation Protection Program Plan)</p> <p>Monthly laboratory surveys – multiple locations (some fixed, some random) using wipes and gas flow proportional counter (last calibrated in-house on 01/06/17)</p> <p>Stock surveys: typically < bkg</p> <p>Monthly survey: typically <5 cpm</p>
<p>6. Describe leak testing of the sealed source(s). How often and who analyzed the leak test samples? What were the most recent results?</p>	<p>N/A – no sealed sources</p>
<p>7. Describe physical inventory of all byproduct material and NMMSS-reportable materials in your possession. When was the last inventory completed? Were all the sources located?</p>	<p>Online inventory system for receipt & accountability of material</p> <p>Semiannual inventory: compare current online inventory to visual inspection of stock solution</p> <p>Last inventory in November 2016 as part of program audit; all material was accounted for</p>
<p>8. Describe your provisions for repair and maintenance of your device or source holder.</p>	<p>N/A – no sealed sources or devices</p>
<p>9. Describe any unusual events involving the byproduct material or the device(s) in which it is used (i.e., fire, explosion, natural disaster.)</p>	<p>No unusual events</p>