

### Telephone Contact Questionnaire

Instructions: Complete this questionnaire as per the program objectives and procedures for Enclosure 2.

Name and title of Interviewer: <span style="float: right;">Luis Nieves</span> Signature of Interviewer:	
Date of this Interview: <span style="float: right;">June 8, 2016</span> Date of Previous Interview: <span style="float: right;">July 27, 2011</span>	
QUESTIONS	ANSWERS
Licensee Name, Address, and URL	Rose Hulman Institute of Technology 5500 Wabash Avenue Terre Haute , IN 47803
Licensee's Point of Contact (Name, Address, Phone and FAX Numbers, and URL)	Maarij Syed, Ph.D, RSO 812-877-8957 Michael J. Moloney, Ph.D, AU
License Number Docket Number	13-17582-02 030-30904
1. Name and Title of person responsible for radiation safety program:	Maarij Syed, Ph.D, RSO Michael J. Moloney, Ph.D, AU
2. Describe how you prevent: (a) use by unauthorized personnel and (b) loss or theft.	Source is in a locked cabinet, inside a locked room, inside a laboratory area. Only Maarij and Michael have access to the locked room where the locked cabinet and its keys are stored separately. Faculty have access to the laboratory area but not the cabinet or the room the cabinet is in.
3. Describe how you maintain shielding, restrict access, and control contamination from unsealed material to prevent individuals from becoming exposed to radiation.	Licensee does not possess any unsealed material.

<p>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?</p>	<p>AUs wear badges, exchanged quarterly, when using the device. No dosimetry reports have ever exceeded detectable minimum. When the source is in use, licensee restricts access to immediate vicinity of source.</p>
<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>Max reading 0.02 mR/hr @ 30 cm from the the source. Using a Geiger Muller server meter, last calibration October 2015. They survey the area of the demonstration before and after using the source, it is only used twice a year in spring for a class demonstration.</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>Licensee swabs all around the source and sends it to Indiana University Bloomington to be tested in a liquid scintillator every 6 months, las result been December 2015, no detectable reading less than .005 micro curie.</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>Licensee inventories the lock cabinet every week. All licensed material is currently accounted for. They only have one seal source.</p>
<p>8. Describe your provisions for repair and maintenance of your device or source holder.</p>	<p>Licensee does not possess a device.</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 involving the seal source to date.</p>

## Nieves Folch, Luis

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**From:** Nieves Folch, Luis  
**Sent:** Thursday, June 23, 2016 12:23 PM  
**To:** 'Maarij.syed@rose-hulman.edu'  
**Subject:** NRC-TELEPHONE INTERVIEW

Mr. Maarij Syed  
Rose Hulman Institute of Technology  
5500 Wabash Avenue  
Terre Haute, IN 47803

**SUBJECT: TELEPHONE INTERVIEW TO EVALUATE THE RADIATION SAFETY PROGRAM**

Dear Mr. Syed:

On June 8, 2016, a U.S. Nuclear Regulatory Commission (NRC) inspector conducted a telephone interview with you. The interview was an examination of activities conducted under your license as they relate to radiation safety and to compliance with NRC rules and regulations and with the conditions of your license. No regulatory concerns were identified.

In accordance with Title 10 of the Code of Federal Regulations 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions about this matter, please contact Luis Nieves at 630-829-9571, or [luis.nievesfolch@nrc.gov](mailto:luis.nievesfolch@nrc.gov)

Sincerely,

Luis Nieves, Health Physicist Inspector  
Materials Inspection Branch  
Division of Nuclear Materials Safety  
630-829-9571