UNIVERSITY OF
NOTRE DAME
RISK MANAGEMENT AND SAFETY

September 22, 2015

Document Control Desk
Director, Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

RE: Written Report for Case # 51377

NRC Broad Scope License Number: 13-01983-15

Director:

On September 8, 2015 at 9:35 EDT, the University of Notre Dame conducted a swipe test of a Ni-63 source, Varian, Model Number 02-01972-00, Serial Number A15296, with original activity of 15 millicuries. The swipe test was conducted in the laboratory of the University's Risk Management Safety Services Building, and it indicated removable contamination of 0.012 microcuries. The swipe test was in compliance with the University's NRC Broad Scope License, which requires testing of these sources at six month intervals and further requires reporting contamination of greater than 0.005 microcuries. Swipe tests of the surrounding areas indicated no contamination and personal monitoring of the individual conducting the tests indicated no exposure. The unit in question was bagged and placed into the facility's long half-life waste room immediately following the test, and will be held there until disposal arrangements are complete.

Prior to conducting the September 8 swipe test, the University had planned to return it to the manufacturer because the unit containing the source had not been in service for over one year. The unit was sent to Agilent Technologies on August 18, 2015 but was returned to the University by Agilent because Agilent indicated that it was not their source. A swipe test conducted by the University prior to that August 18 shipment indicated no leakage.

The University of Notre Dame received the returned unit from Agilent Technologies on August 25, 2015 at 10:15 EDT. Swipes were completed on the outer package as required by NRC and DOT regulations. These tests indicated no removable contamination approaching maximum

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permissible limits. The source was not swiped at that time, but was next swiped on September 8, as discussed above.

It is possible that the damage to the source that caused the leakage occurred during its return transit to the University of Notre Dame.

The University of Notre made a verbal report on September 8, 2015 at 16:52 EDT, which was within 24 hours of discovering the leakage as required by the University's Broad Scope License. The report number is 51377.

Please contact me if additional information is required.

Sincerely,

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