



A unit of American Electric Power

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Certified Mail
Return Receipt Requested

Director, Office of Nuclear Material Safety and Safeguards
ATTN: GLTS
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

January 13, 2017

Dear Sir or Madam:

Re: Event # 52450 of December 20, 2016

This written follow-up report is submitted in accordance with 10 CFR 31.5(c)(5) Safety Equipment Failure. On December 20th around 3:10 PM, a nuclear source holder was found fallen off of it's mounting on the unit 2 economizer hopper #49. The source holder fell approximately 8' from it's mounting onto a checker plate floor. The shutter mechanism and the shutter separated from the source holder. This occurred at the Indiana Michigan Power Rockport plant unit 2 in Rockport, Indiana. The source holder is a Vega Americas Model SHLD-1-45 Serial number: 7185CP. It is a 20 millicurie Cesium 137 source. The plant's general license number is GL704402-21. The radiation around the fallen source holder was tested and found to be a maximum of 35 millirem/hr at 1 foot in the source beam path. The radiation was tested at the 20' boundary where danger tape was placed around the source holder and readings of 0.01 to 0.12 millirem/hr were noted. A nuclear technician from Vega Americas arrived on December 21st at 17:30 PM. A radiation survey was performed and found the fields to be < 2 millirem/hr at 1 foot from front and top of the source holder. The technician found the 4 screws to secure the shutter had sheared off and were removed with an ez-out. A new source holder shutter assembly was installed in place and secured. A survey was performed after the repair to ensure the fields were within expected values of < 2 millirem/hr at 1 foot and they were found to be within this value. The source holder was transported to a secure site storage until the source holder mounting bracket can be repaired. Once the mounting bracket is repaired the source holder will be remounted on the bracket.

If you have any questions on the technical content of this notification, please contact Steven Pfeister at (812)-649-6546.

Sincerely,

A handwritten signature in black ink that reads 'Steven Pfeister'.

Steven L. Pfeister, PE
Plant Engineer

cc: T. C. Kerns / B. R. Lindauer