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**Robert Walpole**  
Licensing Manager  
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January 25, 2011

NL-11-009

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

**SUBJECT:** Report on Inoperable Main Steam Line Radiation Monitor  
Indian Point Unit Number 3  
Docket No. 50-286  
License No. DPR-64

Dear Sir or Madam:

The purpose of this letter is to submit a report pursuant to Technical Specification (TS) 5.6.7. One radiation monitor channel per main steam line is required by TS 3.3.3, Table 3.3.3-1, item 22. Radiation monitor R-62D was declared inoperable on December 13, 2010 at about 1115 hours. TS 3.3.3, Condition A requires the radiation monitor to be fixed within 30 days and if this completion time is not met, Condition B requires a report be submitted to NRC within the next 14 days pursuant to TS 5.6.7. The 30 days expired at 1115 hours on January 12, 2011. The report is to outline the alternate method of monitoring, the cause of the inoperability, and the plans and schedule for restoring the instrument to operable status.

- Alternate method of monitoring

The primary alternate method of monitoring for an out of service Steam Line Radiation Monitor channel is the Condenser Off-Gas monitor R45 and the Steam Generator Blowdown monitor R19.

- Cause

R-62D detector failed while in use with a high voltage power supply failure.

- Plans and schedule for restoring

After R-62D failed, test work on the monitor commenced the week of December 27, 2010. At that time, the failed high voltage power supply was discovered. When the power supply was replaced it failed again. An evaluation identified a short in the detector that the initial troubleshooting had not identified. Engineering was contacted on Friday, January 7, 2011

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to discuss the power supply issue and to provide assistance in locating a new detector. A new detector was located on January 10, 2011. Scaffold requests were generated and when completed, the detector and power supply will be replaced. Further testing will allow the channel to be put back in service. Estimated completion is February 3, 2011.

If you have any questions or require additional information, please contact Mr. Robert Walpole, Licensing Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Walpole", written in a cursive style.

RW/sp

cc: Mr. John P. Boska, Senior Project Manager, NRC NRR  
Mr. William M. Dean, Regional Administrator, NRC Region I  
NRC Senior Resident Inspectors Office  
Mr. Francis J. Murray, Jr., President and CEO, NYSERDA  
Mr. Paul Eddy, New York State Dept. of Public Service