

FEB 20 2007

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

HOPE CREEK GENERATING STATION
FACILITY OPERATING LICENSE NO. NPF-57
DOCKET NO. 50-354

Subject: Special Report – North Plant Vent Radiation Monitoring System (RMS)

This special report is being submitted pursuant to the requirements of Hope Creek Technical Specification (TS) 3.3.7.5, "Accident Monitoring Instrumentation" Action 81, due to the North Plant Vent RMS being inoperable for greater than 72 hours.

A data review determined that the North Plant Vent RMS was reading higher than expected on February 03, 2007. Upon investigation, the check source arm was found disconnected from the solenoid body, which resulted in the erroneous indication. The elevated background radiation levels from the check source rendered the monitor inoperable. This arm was repaired and the system was returned to an operable status on February 12, 2007 at 1618.

Should you have any questions concerning this letter, please contact Francis D. Possessky at (856) 339-1160.

Sincerely,

A handwritten signature in black ink that reads "Michael J. Massaro".

Michael J. Massaro
Plant Manager – Hope Creek

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C Mr. S. Collins, Administrator - Region I
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