

August 11 2006
L-06-129

Department of Environmental Protection
Bureau of Water Quality Management
400 Waterfront Drive
Pittsburgh, PA 15222

Beaver Valley Power Station Follow-Up To Telephone Notification for NPDES Permit No. PA0025615

To Whom It May Concern:

This is to provide the five-day written submission to the Department in accordance with NPDES permit No. PA0025615, Part A. Reporting Requirements, for an incident we reported to you by telephone on August 10, 2006 at 8:35 AM. In our telephone notification, we indicated approximately 12.5 gallons of chilled water containing 50% concentration of ethylene glycol antifreeze was discharged to the Ohio River via Outfall 003. In an abundance of caution, we chose to call immediately upon determining that a water/ethylene glycol solution had entered into the Outfall 003 system.

On August 9, 2006 at approximately 8:40 AM, an operator during a routine tour discovered a dropped level of chilled water in chiller (air conditioning) unit 1AC-85. By 10:00 AM, it was determined that an estimated 12.5 gallons of chilled water leaked from a temperature control bypass valve and flowed into a floor drain leading to the Unit 1 Turbine Building sumps. A review of plant drawings indicated the final flow path would be to the combined process and stormwater system discharged via Outfall 003. In response, the leak was isolated at the unit, the turbine building sumps were isolated to prevent further flow, and the area near the Outfall 003 discharge was inspected. No evidence of environmental harm or impact was observed at the discharge point to the Ohio River.

In accordance with site procedures identified in our Environmental Emergency Response Plan, we determined that the incident did not involve a glycol release above the CERCLA Reportable Quantity (RQ = 5,000 pounds) as the maximum estimated amount was 58 pounds leaked over an 8 hour period. Based on the volume of 50% ethylene glycol-chilled water lost (~12.5 gallons), and an average estimated combined process and stormwater system flow rate through Outfall 003 (118,000 gallons per day), we estimated the discharge concentration of ethylene glycol to be 0.16 mg/l.

A work notification was written to repair the leaking valve. Further, the incident is documented and investigated under the FENOC Problem identification and Resolution Program under Condition Report CR-06-04754. Additional corrective actions, beyond those already identified and implemented, will also be documented and executed as determined by the condition report investigation.

Should you have any questions regarding this matter, please direct them to Mr. Michael Banko, at 724-682-4117.

Sincerely,



Richard G. Mende
Director, Site Operations

cc: Document Control Desk US NRC (NOTE: No new US NRC commitments are contained in this letter.)
Central File: **Keyword- BVBP-SITE-0016 Required Report 70**

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