

June 11, 2007
L-07-083

Mr. Sam Harper
Department of Environmental Protection
Chief, Operations Section
Bureau of Water Quality Management
400 Waterfront Drive
Pittsburgh, PA 15222

Beaver Valley Power Station (BVPS): Pipe Rupture Follow-up Report

Mr. Harper:

Pursuant to 25 Pa. Code § 91.33 and § 91.34, this is to provide a written description of an event involving a ruptured discharge pipe first reported to Ms. Kareen Milcic, Pennsylvania Department of Environmental Protection (PADEP), via telephone at approximately 2:00 PM on June 11, 2007.

A corrugated pipe ruptured that channels water discharged from our Unit 2 Emergency Outfall Structure (EOF), NPDES Permit No. PA0025615 Outfall 010, into an Impact Basin to reduce velocity and prevent erosion. That rupture caused the discharging water to create a sinkhole, washing out soil and fill material that slid down the hill towards the Ohio River. Most of the washed-out material appears to have been captured on a flat area between the outfall and the river, and in the Impact Basin itself. Some material may have made it past the Impact Basin to the river. Note that the materials washed out were sandy and rocky, typical of the fill used during construction of BVPS.

BVPS utilizes two containment booms at Outfalls 001 and 010 as a Best Management Practice (BMP) to prevent solids, foam, scum, etc. from entering the river channel. There was no evidence observed of solids, mud, or other signs of eroded materials reaching the river channel beyond the area of the outfalls. In response, BVPS has undertaken the following BMP actions until permanent repairs are made:

- Flow from the outfall was reduced from the typical 2,500 – 4,000 gallons per minute to 200 – 300 gallons per minute. Note that we cannot reduce flow any lower because that is the minimum amount of cooling water needed for several nuclear safety systems. Even if the Unit 2 plant were shutdown, that water would be needed to ensure decay heat removal from the nuclear reactor.
- Temporary pumps and hoses were installed in the EOF to route the water to the river (in place of the damaged piping). The hoses were positioned in such a way to prevent erosion.
- Further BMPs will be implemented as identified.
- Work has commenced to permanently repair or replace the piping.

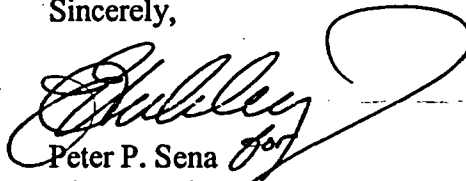
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- The event is documented, investigated, and tracked with corrective actions in the FENOC Problem Identification and Resolution program under Condition Report CR-07-21637.

Should you have any questions regarding the attached and enclosed documents, please direct them to Mr. Michael Banko, at 724-682-4117.

Sincerely,



Peter P. Sena
Director, Site Operations

cc: Ms. Kareen Milcic
Department of Environmental Protection
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400 Waterfront Drive
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Document Control Desk US NRC (*NOTE: No new US NRC commitments are contained in this letter.*)

Central File: *Keyword(s): Written Environmental Report to DEP*