

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

PHILADELPHIA, PA. 19101

(215) 841-4000

September 24, 1976

Mr. Victor Stello, Jr.
Director
Division of Operating Reactors
Office of Nuclear Reactor Regulations
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555



Dear Mr. Stello:

Subject: Environmental Deviation

The following deviation was reported to Mr. Walt Baunack, Office of Inspection and Enforcement, Region 1, United States Nuclear Regulatory Commission on September 15, 1976.

Reference: License Number DPR-44/56
Environmental Technical Specification: 2.2.2

Report No.: 50-277/278-76-36
Report Date: September 24, 1976
Deviation Date: September 15, 1976
Facility: Peach Bottom Atomic Power Station
Units 2 & 3, R.D. 1, Delta, Pa. 19314

Identification of Deviation:

The pH for the sewage plant effluent exceeded the Environmental Technical Specification limit.

Conditions Prior to Deviation:

Sewage plant operating normally.

Description of Deviation:

A grab sample from the sewage plant effluent measured a pH of 5.8. Two verification samples also measured 5.8. The Technical Specification limit is that pH shall be within the range of 6.0 to 9.0.

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Designation of Apparent Cause of Deviation:

A commercial cleaning solution containing about 30% hydrochloric acid was used in the wash room to remove stains. This cleaning solution was flushed to the sewage plant and reduced the pH of the whole system.

Analysis of Deviation:

The duration of this deviation was less than 4 hours. Because the sewage plant effluent is diluted by a factor of about 100,000 with circulation water flow, the effect on the circulating water and the environment was minimal.


Corrective Action:

The sewage plant was neutralized and instructions were issued not to use the cleaning solution containing the hydrochloric acid without prior approval of the plant chemist.

Failure Data:

None.

Very truly yours,


M. J. Cooney
Superintendent
Generation Division - Nuclear

MJC:tmb

cc: Mr. J. P. O'Reilly
NRC, Reg. Off. 1