



Pennsylvania Power & Light Company

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December 31, 1985

Mr. Dino R. Agustini
Sanitary Engineer, Permits and Grants Section
Bureau of Water Quality Management
Pennsylvania Department of Environmental Resources
90 East Union Street, Second Floor
Wilkes-Barre, PA 18701-3255

SUSQUEHANNA STEAM ELECTRIC STATION
RESULTS OF WATER ANALYSIS FOR DIOCTYL PHTHALATE
NPDES PERMIT NO. PA-0047325
CCN 741326 FILE 012-4
PLE-7907

Dear Mr. Agustini:

On December 13, 1985, Pennsylvania Power and Light Company (PP&L) notified the Pennsylvania Department of Environmental Resources (Pa. DER) of a potential non-compliance with NPDES Permit No. PA-0047325. This noncompliance involved a possible release of Dioctyl Phthalate at Outfall 171, which receives wastes from radwaste treatment. A letter to the Pa. DER dated December 18, 1985 (PLE-7881) reiterated the details of the incident and indicated we had taken water samples at three locations on December 16, 1985 as recommended by the Pa. DER.

Water samples were collected on December 16, 1985, by Radiation Management Corporation. Samples were collected at the plant intake, discharge, and at a drinking water tap. Analysis of these samples showed the concentration of Dioctyl Phthalate to be less than the lower level of detection of five of micrograms per liter (< 5 ppb) in each case. It is likely that preliminary indications of Dioctyl Phthalate in the liquid radwaste system resulted from initial intake of river water containing small amounts of this chemical. The United States Environmental Protection Agency indicated there were two spills of Dioctyl Phthalate contaminated oil from the Butler Mine Tunnel into the Susquehanna River in November 1985. They felt there could have been additional discharges or residual amounts of this chemical in the river from the Butler Mine Tunnel Site.

If you have any questions or concerns, please call me at (215) 770-7839.

Respectfully yours,

Jerome S. Fields C.H.S.

Jerome S. Fields
Senior Environmental Scientist-Nuclear

CHS/amc

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cc: Ms. E. Adensam NRC
Mr. E. J. Borofski Pa. DER
Mr. P. J. Koval Pa. DER

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