



Office of Water Resources
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West Virginia Division of Environmental Protection

Cecil H. Underwood
Governor

Michael C. Castle
Director

December 28, 1999

Mr. R. L. Ritchey
Sr. Environmental Control Consultant
Washington Works
E. I. du Pont de Nemours and Company
P.O. Box 1217
Parkersburg, WV 26102-1217

Re: WV/NPDES Permit No.: WV0001279 -
Analysis of Water Samples from Ranney
Well Taken During 1996

Dear Mr. Ritchey:

The agency is in receipt of analyses of water samples taken from Ranney well, Gallery well, West Field well and Island well. These samples were taken by the company on January 30, 1996. At the request of Mr. Naresh R. Shah of my staff, these analyses were provided by Mr. George Woytowich on December 2, 1999.

As you know, the company has been using 12 MGD of water from these wells and 60-63 MGD of the river water for the process operations including non-contact cooling. Thus, the well water makes up approximately 16% of total intake water. Out of this total, only 3 MGD of wastewater has been treated in the wastewater treatment system before discharging into the Ohio River. The rest of wastewater has been discharged into the Ohio River without any treatment as non-contact cooling water. Therefore, if the well water is contaminated then pollutants present in the well water are discharged into the Ohio River without any treatment and without adequate monitoring requirements.

Based upon his review, obviously intake water from Ranney well, Gallery well and the West Field wells is contaminated. Based upon the 1996 analytical data (refer to Attachment-1), pollutants of concern are: carbon tetrachloride, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, chloroform, bromodichloromethane, 1,1,1-trichloroethane, bromoform. Note that there are very stringent water quality standards for most of these pollutants. Therefore, the agency is going to require you

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monitor the Ohio River 500-600 feet downstream of Outlet 005 for these pollutants and water from these wells at least semi-annually in the permit modification number 10 to be issued.

The agency strongly urges you to expedite groundwater investigation (defining sources for contamination, plume and rate of migration etc.) and clean-up.

If you have any questions regarding this matter, please feel to contact Mr. Naresh R. Shah of my staff at 304-558-8855 or at our TDD number 558-2751.

Sincerely,


Barbara S. Taylor, Chief

BST:nrs

Enclosures

cc: Cap Smith, Chief, OWM
EPA Region III office
Bob Greaves, EPA Region III RCRA office (3WC23)
Dave Watkins, Leader, Groundwater Section
Supervisor, SW Dist.
Cindy Musser, Inspector, Wood County

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