

Public Service Company  
of New Mexico  
2401 Aztec NE  
MS Z160  
Albuquerque, NM 87107



November 26, 2001

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Robert Warder  
Project Leader  
Permits Management Program  
New Mexico Environment Department  
Hazardous Waste Bureau  
2905 Rodeo Park Drive East, Building I  
Santa Fe, NM 87505



**RE: Person Generating Station (NMT 360010342) - Request for Supplemental Information**

Dear Mr. Warder:

In response to your letter request dated November 2, 2001, Public Service Company of New Mexico (PNM) is providing the following supplemental information on the Person Generating Station Groundwater Treatment System (GTS):

1. Page 3 - The second EW-2 legend that is shown east of the PSMW-10 legend on the site map is incorrect. It will be removed in future site maps.
2. Section III, Page 5 - EW-2 and EW-3 are relatively new extraction wells, installed in October 1999. Both extraction wells have experienced operational difficulties such as incorrectly sized flow rate valves and electrical controls problems. Consequently, these extraction wells have not been in regular service since their installation.

EW-2 was out of service during June 2001 because of an incorrectly sized flow rate valve. The valve was too large, thereby allowing the water level in the well to be drawn down low enough to cause the pump to electrically trip off. The problem was resolved by installing a lower flow rate valve.

EW-3 has been out of service primarily due to the GTS's inadequate treatment capacity. Since the extraction wells have been in service, typical flow rates for EW-2 and EW-3 have been approximately 7 gallons per minute (gpm) and 40 gpm, respectively. However, due to physical flow limitations and design flaws in the GTS such as piping size restrictions and bag filter sizes, the GTS has been unable to achieve the maximum design flow rate of 100 gpm. Consequently, the GTS is unable to accommodate the combined effluent flow when all the extraction wells are in service.

Additionally, only one treatment train has been in regular service due to continuing maintenance and operational problems. The maximum design flow rate for one treatment train is 50 gpm; however, the flow rate it can actually accommodate is typically around 40 gpm. Since EW-3 pumps approximately 40 gpm, the treatment capacity of one treatment train is exceeded and the GTS shuts off. Consequently, EW-3 has been kept out of service until the treatment capacity problem could be resolved by the installation and operation of the pilot-scale treatment system.

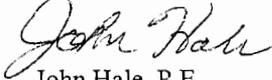
3. Section III, Page 5 - PSMW-16 and PSMW-24 were extraction wells; therefore, there were no other similar wells to replace them with. However, with the recent completion of EW-4 (replacement for PSMW-16) and EW-5 (replacement for PSMW-24), this concern should be resolved.

4. Request for Clarification – Prior to the installation of EW-5 (replacement for PSMW-24), PSMW-24 was plugged and abandoned. In order to minimize the disturbance to Ethicon, Inc. property, the existing vault and controls for PSMW-24 were used. The installation of EW-5 and subsequent modifications to the PSMW-24 vault and controls required the shut down of all three wells. PSMW-24, PSMW-25, and PSMW-26 share a common effluent pipeline and some electrical controls.

The combined effluent flow rate from PSMW-25 and PSMW-26 has typically been less than 2 gpm. Therefore, leaving the two wells out of service is unlikely to impact the contaminant plume. However, with the recent completion of EW-5, this concern should be resolved.

If you have any questions or require additional information, please contact me at (505) 855-6392.

Sincerely,



John Hale, P.E.

Technical Project Manager

Cc: Robert Warder, NMED/HWB  
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