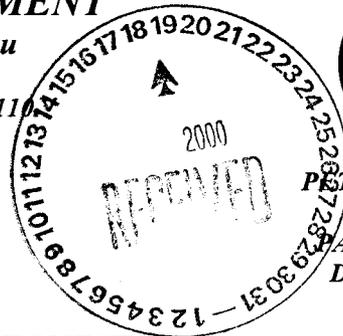




GARY E. JOHNSON
GOVERNOR

PNM
State of New Mexico
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502
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PIETER MAGGIORE
Secretary
PAUL R. RITZMA
Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

December 1, 2000

Mr. Patrick Goodman, Vice President
Public Service Company of New Mexico
Alvarado Square - 96E0
Albuquerque, NM 87158

RE: Discharge Plan Renewal, DP-1006, Person Generating Station — UNM Golf Course

Dear Mr. Goodman:

Pursuant to Water Quality Control Commission (WQCC) Regulation 3109, the application for discharge plan renewal for DP-1006, submitted by you for the discharge of up to 288,000 gallons per day (gpd) of treated ground water from the Person Generating Station to the University of New Mexico (UNM) South Golf Course is hereby approved, subject to the conditions listed below. The discharge site is located in the City of Albuquerque's South Valley in Section 4, T9N, R3E, Bernalillo County. In approving this discharge plan, the New Mexico Environment Department (NMED) has determined that the requirements of WQCC Regulation 3109.C have been met.

The approved Person Generating Station Treatment and Disposal System is briefly described as follows:

Public Service Company of New Mexico (PNM) will discharge up to 288,000 gpd of treated ground water recovered from extraction wells at the closed Person Generating Station. The ground water, contaminated with 1,1,2,2-tetrachloroethylene (PCE), 1,1-dichloroethylene (1,1-DCE), and 1,1,1-trichloroethane (1,1,1-TCA), is treated to below WQCC Regulation 3103 ground water standards using an air stripper and carbon adsorption. Sulfuric acid is injected into the influent stream to prevent mineral precipitation. Treated water is pumped to the UNM South Golf Course and discharged to two synthetically-lined irrigation storage lagoons located on the golf course. Treated water from Person Generating Station is commingled with irrigation water and constitutes between 5 and 10 percent of the water stored in the lagoons, and then applied to the golf course. Ground water below the site is at

a depth of approximately 265 feet and has a total dissolved solids concentration of approximately 250 milligrams per liter.

The approved discharge plan renewal consists of the materials submitted by you dated November 16, 2000, November 1, 2000, June 22, 2000, and June 21, 1999. In addition, the discharge plan includes information and materials submitted as part of the original discharge plan approved on January 15, 1995, and the materials for amendment approvals dated November 7, 1995, March 25, 1996, and June 13, 1997. The discharge shall be managed in accordance with the approved plan and is subject to the conditions listed below.

However, approval of this discharge plan does not relieve you of your responsibility to comply with any conditions or requirements of the previously approved discharge plan, DP-1006, the New Mexico Water Quality Act, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

SPECIFIC REQUIREMENTS

The terms and conditions of this approval contain specific requirements which are summarized below.

Operational Plan

1. PNM will discharge up to 288,000 gpd of treated ground water recovered from extraction wells at the closed Person Generating Station. The ground water, contaminated with PCE, 1,1-DCE, and 1,1,1-TCA, is treated using an air stripper and carbon adsorption. Water treated to below WQCC Regulation 3103 ground water standards is pumped to the UNM South Golf Course and discharged to two synthetically-lined irrigation storage lagoons located on the golf course. Treated water from Person Generating Station is commingled with irrigation water and constitutes between 5 and 10 percent of the water stored in the lagoons, and then applied to the golf course.
2. PNM will inject sulfuric acid into the influent stream in amounts sufficient to prevent mineral precipitation in the air stripper and/or the granular activated charcoal units. Acid injection will be adjusted to maintain an effluent pH range of 6.0 to 9.0.
3. PNM will pump treated ground water to the UNM South Golf Course for spray irrigation of approximately 100 acres as specified in PNM's "Pipeline Construction and Water Supply Agreement" with UNM dated October 27, 1994.

Monitoring Plan

4. PNM will monitor and report as follows:
 - A. PNM will record monthly effluent volumes discharged to the golf course using a totalizing flow meter. Records will be submitted with the quarterly reports.
 - B. PNM will monitor the influent, effluent, and the two irrigation lagoons at the UNM South Golf Course for PCE, 1,1-DCE, and 1,1,1-TCA using EPA Method 8021 or an equivalent method on a monthly basis.
 - C. PNM will analyze the effluent on a monthly basis for sulfate, and on a daily basis for pH.
 - D. PNM will submit to the Ground Water Quality Bureau quarterly reports of discharge volumes, influent, effluent, and lagoon analytical results by February 15, May 15, August 15, and November 15 of each year. PNM will copy monitoring reports to Carl Will, NMED Hazardous Waste Bureau (HWB).

Contingency Plan

5. PNM will shut down the ground water treatment system (GWTS) and effluent flow to the UNM South Golf Course if analysis of the effluent indicates that concentrations of EPA Method 8021 Halo analytes or sulfate exceed the ground water standards listed in WQCC Regulation 3103.
6. In the event of an effluent spill or release that is not prescribed under the approved discharge plan, PNM will initiate the notification and corrective actions as required in WQCC Regulation 1203. Within 24 hours of the incident, PNM will verbally notify NMED and provide the information outlined in WQCC Regulation 1203.A.1. Within seven days of discovering the incident, a written report will be submitted verifying the oral notification and providing any additional pertinent information or changes. Within 15 days of the incident, PNM will submit a corrective action report describing actions taken and/or to be taken to remedy the impact of the spill.

Closure Plan

7. After cessation of operations, PNM will close the GWTS as follows:
 - A. PNM will abandon in place the influent pipelines from the extraction wells to the GWTS, and the effluent pipeline from the GWTS to the golf course pond.

- B. If required by HWB, PNM will convert the extraction wells to monitoring wells, otherwise the wells will be plugged and abandoned, with prior NMED approval, in accordance with the NMED Monitoring Well Construction and Abandonment Guidelines (copy enclosed).

GENERAL DISCHARGE PLAN REQUIREMENTS

In addition to any other requirements provided by law, approval of discharge plan, DP-1006, is subject to the following general requirements:

Monitoring and Reporting

Monitoring and reporting shall be as specified in the discharge plan and supplements thereto. These requirements are summarized on the attached sheet(s). Any inadvertent omissions from this summary of a discharge plan monitoring or reporting requirement shall not relieve you of responsibility for compliance with that requirement.

Record Keeping

1. The discharger shall maintain at the facility, a written record of ground water and wastewater quality analyses.

The following information shall be recorded and shall be made available to the NMED upon request.

- a. The dates, exact place and times of sampling or field measurements.
 - b. The name and job title of the individuals who performed the sampling or measurements.
 - c. The dates the analyses were performed.
 - d. The name and job title of the individuals who performed the analyses.
 - e. The analytical techniques or methods used.
 - f. The results of such analyses, and
 - g. The results of any split sampling, spikes or repeat sampling.
2. The discharger shall maintain a written record of any spills, seeps, and/or leaks of effluent, leachate and/or process fluids not authorized by this discharge plan.

3. The discharger shall maintain a written record of the operation, maintenance and repair of facilities/equipment used to treat, store and/or dispose of wastewater; to measure flow rates; and/or to monitor water quality. This will include repairs, replacement or calibration of any monitoring equipment and repairs or replacement of any equipment used in Person Generating Station waste or wastewater treatment and disposal system.

Inspection and Entry

In accordance with § 74-6-9.B & E NMSA 1978 and WQCC Regulation 3107.D., the discharger shall allow the Secretary or his authorized representative, upon the presentation of credentials, to:

1. Enter at regular business hours or at other reasonable times upon the discharger's premises or where records must be kept under the conditions of this discharge plan.
2. Inspect and copy, during regular business hours or at other reasonable times, any records required to be kept under the conditions of the discharge plan.
3. Inspect, at regular business hours or at other reasonable times, any facility, equipment (including monitoring and control equipment), practices or operations regulated or required under this discharge plan.
4. Sample or monitor, at reasonable times for the purpose of assuring discharge plan compliance or as otherwise authorized by the New Mexico Water Quality Act, any effluent at any location before or after discharge.

Duty to Provide Information

In accordance with § 74-6-9.B NMSA 1978 and WQCC Regulation 3107.D., the discharger shall furnish to the NMED, within a reasonable time, any relevant information which it may request to determine whether cause exists for modifying, terminating and/or renewing this discharge plan or to determine compliance with this plan. The discharger shall furnish to the NMED, upon request, copies of records required to be kept by this discharge plan.

Spills, Leaks and Other Unauthorized Discharges

This approval authorizes only those discharges specified in the discharge plan. Any unauthorized discharges violate WQCC Regulation 3104, and must be reported to the NMED and remediated as required by WQCC Regulation 1203. This requirement applies to all seeps, spills, and/or leaks discovered from the Person Generating Station remediation system, tank rupture or overflow, golf course lagoons, and effluent delivery pipelines, pumps, valves and fittings.

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Retention of Records

The discharger shall retain records of all monitoring information, including all calibration and maintenance records, copies of all reports required by this discharge plan, and records of all data used to complete the application for this discharge plan, for a period of at least five years from the date of the sample collection, measurement, report or application. This period may be extended by request of the Secretary at any time.

Enforcement

Failure to grant the Secretary or his authorized representative access to the records required to be kept by this discharge plan or to allow an inspection of the discharge facilities or to the collection of samples is a violation of this discharge plan and the WQCC Regulations. Such violations as well as other violations of the discharge plan, may subject the discharger to a compliance order, a compliance order assessing a civil penalty or an action in district court pursuant to § 74-6-10 NMSA 1978, and/or modification or termination of this discharge plan pursuant to § 74-6-5.L NMSA 1978. Penalties assessed as part of a compliance order shall not exceed \$15,000 per day for violations of the terms of this permit or the requirements of § 74-6-5 NMSA 1978, and shall not exceed \$10,000 per day for violations of other sections of the Water Quality Act.

Modifications and/or Amendments

The discharger shall notify NMED, pursuant to WQCC Regs. 3107.C, of any modifications or additions to the Person Generating Station's wastewater disposal system, including any increase in wastewater flow rate or wastewater storage and disposal management changes to the system as approved under this discharge plan. The discharger shall obtain NMED's approval, as a discharge plan modification, prior to any increase in the quantity or concentration of constituents in the leachate above those approved in this plan. Please note that WQCC Regs. 3109.E and F provide for possible future amendment of the plan.

Other Requirements

Please be advised that the approval of this plan does not relieve Patrick Goodman of liability should your operation result in actual pollution of surface or ground water which may be actionable under other laws and/or regulations.

RIGHT TO APPEAL

If Patrick Goodman is dissatisfied with this action taken by NMED, Patrick Goodman may file a petition for hearing before the WQCC. This petition shall be in writing to the Water Quality Control Commission within thirty (30) days of the receipt of this letter. Unless a timely request for hearing is made, the decision of the NMED shall be final.

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TRANSFER OF DISCHARGE PLAN

Pursuant to WQCC Regulation 3111, prior to any transfer of ownership, the discharger shall provide the transferee a copy of the discharge plan, including a copy of this approval letter and shall document such to the NMED.

PERIOD OF APPROVAL

Pursuant to WQCC Reg. 3109.G.4., this discharge plan approval is for a period of 5 years. This approval will expire December 1, 2005, and you must submit an application for renewal at least 120 days before that date.

On behalf of the staff of the Ground Water Pollution Prevention Section, I wish to thank you for your cooperation during the discharge plan review.

Sincerely,



Marcy Leavitt, Chief
Ground Water Quality Bureau

ML:SvG/svg

Enclosures: Discharge Plan Summary Sheet
NMED Monitoring Well Construction and Abandonment Guidelines

xc: Thomas Skibitski, Dist. Manager, NMED Dist. I
NMED Albuquerque Field Office
Robert Garcia, Bernalillo Co. Environmental Health Department
Paul Saavedra, Office of the State Engineer
~~Carl Will~~, NMED-HWB
John Hale, P.E., Public Service Co. of NM
Alvarado Square MS 2104, Albuquerque, NM 87158