

SA



BRUCE KING  
GOVERNOR

State of New Mexico  
**ENVIRONMENT DEPARTMENT**  
Harold Runnels Building  
1190 St. Francis Drive, P.O. Box 26110  
Santa Fe, New Mexico 87502  
(505) 827-2850

JUDITH M. ESPINOSA  
SECRETARY

RON CURRY  
DEPUTY SECRETARY

MEMORANDUM

TO: File, PNM/Red/93

FROM: Jane Cramer, Technical Compliance Section *JC*

THROUGH: Benito Garcia, Bureau Chief, *W*  
Ed Horst, Program Manager, and  
Steve Alexander, Technical Compliance Supervisor *SWT*

DATE: May 29, 1993

RE: Hazardous and Radioactive Materials Bureau  
(HRMB) and Public Service Company of New  
Mexico Person Generating Station (PNM)  
Meeting.

Attendees:

Steve Alexander, HRMB  
Jane Cramer, HRMB  
Ron Kern, HRMB  
Steve Anderson, PNM Project Manager  
Ron Johnson, PNM Environmental Manager  
Gary Richardson, Metric Corp., consultant to PNM

On May 25, 1993, Hazardous and Radioactive Materials Bureau (HRMB) staff met with PNM representatives to discuss the status of the shallow groundwater contamination assessment and the proposed draft investigatory approach for the horizontal and vertical extent of the deep groundwater contamination.

PNM is in the final process of selecting a contractor to begin remediation of the shallow contamination. PNM reported on results of:

- water level measurements,
- chemical analyses of groundwater samples, and
- test pumping of various monitoring wells for permeability (results to be used in remedial design).

for each of:

- "A" monitoring wells (completed with 20 ft screens set 5 ft above the water table to 15 ft below),
- "B" monitoring wells (completed with 10 ft screens set 25 ft to 35 ft below the water table), and
- "800 series" monitoring wells (completed with 10 ft screens set at the same depth as the bottom of the production wells (PW); approximately 800 ft below land surface).

PNM  
May 29, 1993  
page 2

PNM's synthesis of results to date suggests an intermediate zone of contamination between the water table and the bottom of the PW's and confined to the immediate vicinity of the PW's. We hypothesize that the PW's acted as a source of contamination (by providing a preferential vertical pathway for contaminant migration). To investigate the horizontal and vertical spread of contamination, PNM proposes an initial phase of monitoring well installations consisting of two six-well clusters to be constructed in 15" diameter borings. The wells will have 10 foot screens spaced generally 100 ft apart in a vertical direction. Exact screen placement will be determined based on logging of well borings. After results of groundwater sample analyses and aquifer characteristic determinations have been analyzed, additional well clusters may be installed.

HRMB staff raised these concerns:

1. what do hits below trigger levels in the furthest down-gradient monitoring wells mean? And,
2. would additional "B" wells in areas down-gradient of the original PNM property (where all "B" wells currently are located) significantly increase our understanding of the problem?

**ENVIRONMENT DEPARTMENT ROUTING SLIP**

MEMO  
Letter To:

File + GWR+PB

For:

SIGNATURE

Drafted By:

J. Cramer

6/7/93

Subject:

status update / mtg.

FINAL DECISION NEEDED BY:

REASON

**Review:**

	Initial	Date Rec'd	Date Apprv'd
<u>Ed Harst</u> PROGRAM MANAGER	<u>[Signature]</u>	<u>6-8-93</u>	<u>6-8-93</u>
<u>Benito G.</u> BUREAU CHIEF	<u>[Signature]</u>	<u>6-8-93</u>	<u>6-8-93</u>
<u>Steve Alex.</u> DISTRICT MANAGERS	<u>[Signature]</u>	<u>6/8/93</u>	<u>6/8/93</u>
GRANTS			
ACCOUNTING			
BUDGETS			
LEGAL REVIEW			
ASD DIRECTOR			
WMM DIRECTOR			
ERD DIRECTOR			
DEPUTY SECRETARY			
SECRETARY			
OTHER			

COMMENTS BY DRAFTER OR REVIEWER(S):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_