



Department of Energy
Albuquerque Operations
Los Alamos Area Office
Los Alamos, New Mexico 87544

RECEIVED

OCT 30 1984

OCT 25 1984

GROUND WATER/HAZARDOUS WASTE
BUREAU

Ms. Denise Fort
Environmental Improvement Agency
P. O. Box 968
Santa Fe, NM 87504-0968

RE: Notice of Violation Letter

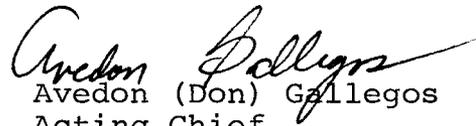
Dear Ms. Fort:

A meeting was held at Los Alamos National Laboratory on September 26, 1984 between your staff, personnel from the Laboratory, and DOE. This meeting was to discuss the State's comments on our response to a Notice of Violation Letter (June 22, 1984). At that time your staff was provided with a package of reference and informational documents. This letter is to confirm that these reports and papers have been given to the State to support our request for a groundwater monitoring waiver.

The attached enclosures are lists of the documents referenced above. With the exception of numbers 3, 4, and 15 of Enclosure 1, all were provided. Enclosure 1 is the list of references supporting the groundwater monitoring waiver submitted to you on July 23, 1984. Enclosure 2 is a list of supplementary information which may be of benefit to your staff in reaching a decision on the waiver.

If we may be of further assistance, please give me a call at 667-5288.

Sincerely,


Avedon (Don) Gallegos
Acting Chief
Technical Programs Branch

2 Enclosures

cc:
Greg Mello, EID, Santa Fe, NM, w/encls.



Enclosure I

REFERENCES

1. W. D. Purtymun and W. R. Kennedy, "Geology and Hydrology of Mesita del Buey," Los Alamos Scientific Laboratory Report LA-4660 (1971).
2. Environmental Surveillance Group, "Environmental Surveillance at Los Alamos During 1983," Los Alamos Scientific Laboratory Report LA-10100-ENV (April 1984).
3. U.S. Environmental Protection Agency, "Guidance Manual-Plans, Recordkeeping, Variance, and Demonstrations for Hazardous Waste Treatment, Storage, and Disposal Facilities-Interim Status Requirements," Manual SW-921 (1981).
4. J. J. Duaghty, D. W. Miller, F. Van Der Leeder, F. A. Troise, "Water Atlas of the United States," Water Information Atlas, Inc., Port Washington, N.Y. (1975).
5. Memo from Leonard Lane to Brent Bowen, "Estimated Rainfall Frequencies for Los Alamos," LANL-LS6-81-285 (August 1981).
6. J. W. Nyhan, L. W. Hacker, T. E. Calhoun, D. L. Young, "Soil Survey of Los Alamos County, New Mexico," Los Alamos National Laboratory Report LA-6779-MS (June 1978).
7. Leonard Lane, "Surface Water Management: A User's Book to Calculate A Water Balance Using the CREAMS Model," - To be published in DOE Technical Transfer Document (June 1984).
8. Y. Baradat, R. Barthel, A. Chiarelli, D. R. Fussell, T. L. de Pastrovich, "Protection of Groundwater from Oil Pollution," CONCAWE, Special Task Force No. 11, Report No. 3/79 (April 1979).
9. American Petroleum Institute, "The Migration of Petroleum Products in Soil and Ground Water," API Publication 4149, Washington, D.C. (1972).
10. P. L. McCarty, B. E. Rittmann, "Trace Organics in Ground Water," Environmental Science and Technology, Vol. 15, No. 1, pages 40-49 (January 1981).
11. W. D. Purtymun, "Geohydrology of the Pajarito Plateau with Reference to Quality of Water: 1949-1972," Los Alamos National Laboratory Informal Report (December 1975).
12. W. D. Purtymun, "Underground Movement of Tritium from Solid Waste Storage Shafts," Los Alamos Scientific Laboratory LA-5286-MS (May 1973).

13. W. D. Purtyum, "Hydrologic Characteristics of the Main Aquifer in the Los Alamos Area," Los Alamos National Laboratory Report LA-9957-MS (1984).
14. J. B. Cooper, W. D. Purtyum, and E. C. John, "Records of Water Supply Wells Guaje Canyon 6, Pajarito Mesa 1, and Pajarito Mesa 2, Los Alamos, New Mexico Basic Data Report," U.S. Geol. Survey Open-File Report (July 1965).
15. R. L. Griggs, "Geology and Ground Water Resources of the Los Alamos Area, NM," U.S. Geological Survey Water Supply Paper 1753 (1964).
16. R. L. Cushman, "An Evaluation of the Aquifer and Well Characteristics of the Municipal Well Fields in Los Alamos and Guaje Canyons near Los Alamos, New Mexico," U.S. Geological Survey Water Supply Paper 1809-D (1965).
17. "Los Alamos Scientific Laboratory Final Environmental Impact Statement," (December 1979).
18. Brent Bowen, personal communication (HSE Meteorologist).
19. W. D. Purtyum & H. Adams, "Geohydrology of Bandelier National Mounment, New Mexico," Los Alamos Scientific Laboratory Report LA-8461-MS (July 1980).
20. W. D. Purtyum, M. A. Rogers, M. L. Wheeler, "Radiochemical Analyses of Samples from Beneath a Solid Radioactive Waste Disposal Pit at Los Alamos, New Mexico," Los Alamos Scientific Report LA-8422-MS (June 1980).

SUPPLEMENTARY INFORMATION

1. W. D. Purtymun and James B. Cooper, "Development of Ground-water Supplies on the Pajarito Plateau, Los Alamos County, New Mexico," Geological Survey Research 1969
2. W. D. Purtymun, R. Garde and R. Peters, "Movement of Fluids and Plutonium from Shafts at Los Alamos, New Mexico," Los Alamos Scientific Laboratory Report LA-7379-MS (June 1978)
3. W. D. Purtymun, et al, "Air Volume and Energy Transfer Through Test Holes and Atmospheric Pressure Effects on the Main Aquifer," Los Alamos Scientific Laboratory Report LA-5725-MS (October 1974)
4. W. D. Purtymun, R. J. Peters and J. W. Owens, "Geohydrology of White Rock Canyon of the Rio Grande from Otowi to Frijoles Canyon," Los Alamos Scientific Laboratory Report LA-8635-MS (December 1984)
5. W. D. Purtymun and W. R. Kennedy, "Distribution of Moisture and Radioactivity in the Soil and Tuff at the Contaminated Waste Pit Near Technical Area 21, Los Alamos, New Mexico," United States Geological Survey Report (November 1966)
6. W. D. Purtymun, M.L. Wheeler and M. A. Rogers, "Geologic Description of Cores from Holes P-3 MH-1 through P-3 MH-5, Area G, Technical Area 54," Los Alamos Scientific Laboratory Report LA-7308-MS (May 1978)
7. W. D. Purtymun, S. Johansen, "General Geohydrology of the Parajito Plateau, " New Mexico Geol. Soc. Guidebook, 25th Field Conf. pp 347-349 (1974)
8. W. D. Purtymun, "Geology and Hydrology of Area "G" Mesita del Buey, Los Alamos County, New Mexico," United States Geological Survey (January 1966)
9. J. H. Abrahams, J. E. Weir and W. D. Purtymun, "Distribution of Moisture in Soil and Near-Surface Tuff on the Parajito Plateau, Los Alamos County, New Mexico," Short Papers in the Geologic and Hydrologic Sciences, Articles 293-435, pp D142-D145
10. J. H. Abrahams, "Physical Properties of and Movement of Water in the Bandelier Tuff, Los Alamos and Santa Fe Counties, New Mexico," United States Geological Survey (January 1963)