

To: T. Davis, D. Katzman, Hazardous Waste

From: W. Stone, Ground Water

Date: 22 July 1992

Subject: LANL References

~~CONFIDENTIAL~~ 9/19/99

As promised, I have gone through the LANL publications in the library here as well as those in my own files. Following is the list I compiled. It does not include several works found on the Fenton Hill geothermal project, which may or may not be useful in our work. Brief notes on the possible significance of papers are included where it may not be readily apparent from the title. Please advise as to gaps your library can fill in the Water-Supply and Surveillance Report sets. If you have any questions or want copies of any items from my files, don't hesitate to call (-2434).

LANL 5/1/92
General

Your efforts to provide copies of materials supplied by LANL are most appreciated. This should not be necessary in the future as I advised Al Stoker that I'm in a different bureau (and building) and whenever he sends a publication to you he should also send one to me. Probably be a good idea to compare notes whenever either of us receives anything, just in case this doesn't always work.

PERTINENT LANL PUBS IN RUNNELS LIBRARY

Water Supply at Los Alamos Reports (set incomplete)

1977	LA-7436-MS
1984	10584-PR
1985	10835-PR
1986	11046-PR
1987	11478-PR

Environmental Surveillance at Los Alamos Reports (set incomplete)

1973	LA-5586
1975	6321-MS
1977	7263-MS
1978	7800-ENV
1979	8200-ENV
1981	9349-ENV
1982	9762-ENV
1983	10100-ENV
1984	10421-ENV
1985	10721-ENV
1986	10992-ENV
1987	11306-ENV

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1988 11628-ENV
1989 12000-ENV
1990 12271-MS

Other Reports

Abeele, W.V., 1982, Emanation of tritiated water from disposal sites at Los Alamos, New Mexico: LANL, LA-9148-MS, 7 p.

_____, Nyhan, J., Hakonson, T., Drennon, B.J., Lopez, E.A., Herrera, W.J., Langhorst, G., Martinez, J.L., and Trujillo, G., 1986, Low-level integrated system test: LANL, LA-10572-MS, 127 p. (shallow land burial research)

Anonymous, 1990, Environmental assessment for the materials science laboratory, DOE, LANL, Los Alamos, New Mexico: LANL, LA-90-1 (gives releases)

Bowen, B.M., 1990, Los Alamos climatology: LANL, LA-11735-MS, 254 p.

Conover, C.S., Theis, C.V., and Griggs, R.L., 1963, Geology and hydrology of Valle Grande and Valle Toledo, Sandoval County, New Mexico: U.S. Geological Survey, Water-Supply Paper 1619-Y, 37p.

Crowe, B.M., Linn, G.W., Heiken, G., and Bevier, M.L., 1978, Stratigraphy of the Bandelier Tuff in the Pajarito Plateau -- applications to waste management: LASL, LA-7225-MS, 57 p.

Cushman, R.L., 1965, An evaluation of aquifer and well characteristics of municipal well fields in Los Alamos and Guaje Canyons, near Los Alamos, New Mexico: U.S. Geological Survey, Water-Supply Paper 1809-D, 50 p.

ERDA, 1975, Omnibus environmental assessment for the Los Alamos Scientific Laboratory: LASL, LA-X-75-1, 160 p. (interesting reference list)

Keller, M.D., 1968, Geologic studies on material properties investigations of Mesita de los Alamos: LASL, LA-3728, 49 p.

Lane, L.J., Purtymun, W.D., and Becker, N.M., 1985, New estimating procedures for surface runoff, sediment yield and contaminant transport in Los Alamos County, New Mexico: LANL, LA-10335-MS, 50 p.

Nyhan, J., 1989, Development of technology for the long-term stabilization and closure of shallow land burial sites in semiarid environments: LANL, LA-11283-MS, 77 p.

_____, 1989, Hydrologic modeling to predict performance of shallow land burial cover designs at the Los Alamos National Laboratory: LANL, LA-11533-MS

_____ and Barnes, F., 1989, Development of a prototype plan for the effective closure of a waste disposal site in Los Alamos, New Mexico: LANL, LA- 11282-MS, 70 p.

-----, Beckman, R., and Bowen, B., 1989, An analysis of precipitation occurrences in Los Alamos, New Mexico, for long-term predictions of waste repository behavior: LANL, LA-11459-MS, 27 p.

-----, and Drennon, B., 1989, The measurement of soil water tension in a hydrologic study of waste disposal site design: LANL, LA-11460-MS, 73 p.

-----, -----, and Hakonson, T., 1989, Field evaluation of two shallow land burial cap designs for long-term stabilization and closure of waste repositories at Los Alamos, New Mexico: LANL, LA-11281-MS, 89 p.

-----, -----, and Lopez, E.A., 1986, Corrective measures technology for shallow land burial at arid sites -- field studies of biointrusion barriers and erosion control: LANL, LA-10573-MS, 415 p.

Olsen, K.H., and Chapin, C.E. (compilers), 1978, Proceedings, international symposium on the Rio Grande Rift: LASL, LA-7487-C, 105 p.

Perkins, B.A., and Cokal, E.J., 1986, Subsurface moisture regimes and tracer movement under two types of trench-cap designs for shallow land burial sites: LANL, LA-10449-MS, 99 p.

Purtymun, W.D., West, F.G., and Adams, W.H., 1974, Preliminary study of the quality of water in the drainage area of the Jemez River and Rio Guadalupe: LASL, LA-5595, 26 p.

Robinson, R.D., Knab, D., and Perrin, D.R., 1985, An individual water sample quality assurance program: LANL, LA-10163, 43 p.

Rodgers, M.A., 1977, History and environmental setting of LASL near surface land disposal facilities for radioactive wastes (Areas A, B, C, D, E, F, G and T): LASL, LA-6848-MS - v. II, Appendices (where's v. I ??!)

Wenzel, W.J., Purtymun, W.D., Dewart, J.M., and Rodgers, J.C., 1986, Los Alamos low-level waste performance assessment status: LANL LA-10768-MS, 161 p.

Williston, McNeil and Associates, 1979, A time domain survey of the Los Alamos region, New Mexico: LASL, LA-7657-MS, 32 p. (geophysical study; says trough under town)

LANL-RELATED PUBS IN MY FILES, NOT LISTED ABOVE

Penrose, W.R., Polzer, W.L., Essington, E.H., Nelson, D.M., and Orlandini, K.A., 1990, Mobility of plutonium and americium through a shallow aquifer in a semiarid region: Environmental Scientific Technology, v. 24, no. 2, p.228 - 234

Purtymun, W.D., 1973, Regional survey of tritium in surface and ground water in the Los Alamos area, New Mexico (August 1966 through May 1969): LASL, LA-5234-MS, 8 p.

-----, 1973, Underground movement of tritium from solid-waste shafts: LASL, LA-5286-MS, 7 p.

-----, 1974, Storm runoff and transport of radionuclides in DP Canyon, Los Alamos County, New Mexico: LASL, LA-5744, 9 p.

-----, 1977, Water Supply at Los Alamos during 1976: LASL, LA-6814-PR

-----, 1977, Hydrologic characteristics of the Los Alamos well field, with reference to the occurrence of arsenic in well LA-6: LASL, LA-7012-MS, 63 p.

-----, Buchholz, J.R., and Hakonson, T.E., 1977, Chemical quality of effluents and their influence on water quality in a shallow aquifer: Journal of Environmental Quality, v. 6, no. 1, p.29 - 32

-----, and Johansen, S., 1974, General geohydrology of the Pajarito Plateau: New Mexico Geological Society Guidebook, 25th field conference, p. 347 - 349

Xc: D. McQuillan
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