Historical Bibliography

Groundwater-monitoring-related reports are listed in chronological order and by type. Miscellaneous groundwater reports are listed in alphabetical order.

Contents

Environmental Monitoring Monthly and Quarterly Reports (1946 through 1957) 1

Effluent and Waste Technology Quarterly and Semiannual Reports (1956 through 1965) 5

Environmental Monitoring Annual Reports (1958 through 1997) 7
- Rockwell Hanford Operations/Westinghouse Hanford Company Environmental Surveillance Reports 11
- UNC Nuclear Industries' Environmental Surveillance Reports 12

Environmental Status Annual Reports (1965 through 1983) 12

Groundwater-Monitoring Quarterly and Annual Reports 13
- Separations Areas Annual Reports 16

Groundwater-Compliance (RCRA) Monitoring Reports 17

Operable Unit Reports 27

Aggregate Area Reports 35

Water-Table Reports and Maps 36

Drinking Water Reports 39

Computer Models/Codes 40

Miscellaneous Hanford-Related Reports 46

Environmental Monitoring Monthly and Quarterly Reports (1946 through 1957)

Turner, L. D. 1947. *Trend of Contamination in the Air, Columbia River, Rain, Sanitary Water, Vegetation and Wastes at Hanford Works and Vicinity - Quarterly, 1946*. HW 3-5402, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Turner, L. D. 1947. *Trend of Contamination in the Air, Columbia River, Rain, Sanitary Water, Vegetation and Wastes at Hanford Works and Vicinity - Quarterly, 1/1/47 to 3/25/47*. HW 3-5511, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Healy, J. W. 1947. *Trend of Contamination in the Air, Columbia River, Rain, Sanitary Water, Vege-*

tation and Wastes at Hanford Works and Vicinity - Quarterly, 3/25/47 to 6/30/47. HW-7317, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Singlevich, W. 1947. *Trend of Contamination in the Air, Columbia River, Rain, Sanitary Water, Vegetation and Wastes at Hanford Works and Vicinity - Quarterly, 7/1/47 to 9/30/47*. HW-8549 DEL, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Singlevich, W. 1947. *Trend of Contamination in the Air, Columbia River, Rain, Sanitary Water, Vegetation and Wastes at Hanford Works and Vicinity - Quarterly, 10/1/47 to 12/31/47*. HW-9496 DEL, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Singlevich, W. 1948. *Radioactive Contamination in the Environs of the Hanford Works for the Period January-March 1948*. HW-10242, General Electric Company, Hanford Works, Richland, Washington.

Singlevich, W. 1948. *Radioactive Contamination in the Environs of the Hanford Works for the Period April-June 1948*. HW-11333 DEL, General Electric Company, Hanford Works, Richland, Washington.

Singlevich, W. 1949. *Radioactive Contamination in the Environs of the Hanford Works for the Period July-September 1948*. HW-12677 DEL, General Electric Company, Hanford Works, Richland, Washington.

Singlevich, W. 1949. *Radioactive Contamination in the Environs of the Hanford Works for the Period October-December 1948*. HW-13743 DEL, General Electric Company, Hanford Works, Richland, Washington.

Singlevich, W., and H. J. Paas. 1949. *Radioactive Contamination in the Environs of the Hanford Works for the Period January-March 1949*. HW-14243 DEL, General Electric Company, Hanford Works, Richland, Washington.

Singlevich, W., and H. J. Paas. 1949. *Radioactive Contamination in the Environs of the Hanford Works for the Period April-June 1949*. HW-17434 DEL, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J., and W. Singlevich. 1950. *Radioactive Contamination in the Environs of the Hanford Works for the Period July-September 1949*. HW-18615, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J., and W. Singlevich. 1950. *Radioactive Contamination in the Environs of the Hanford Works for the Period October-December 1949*. HW-17003 DEL, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J., and W. Singlevich. 1950. *Radioactive Contamination in the Environs of the Hanford Works for the Period January-March 1950*. HW-18446, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J., and W. Singlevich. 1950. *Radioactive Contamination in the Environs of the Hanford Works for the Period April-June 1950*. HW-19454, General Electric Company, Hanford Works, Richland, Washington.

Singlevich, W. 1950. *H.I. Environs Report of the Month of September 1950*. HW-19046, General Electric Company, Hanford Works, Richland, Washington.

Singlevich, W. 1950. *H.I. Environs Report of the Month of October 1950*. HW-19454, General Electric Company, Hanford Works, Richland, Washington.

Singlevich, W. 1950. *H.I. Environs Report of the Month of November 1950*. HW-19625, General Electric Company, Hanford Works, Richland, Washington.

Singlevich, W. 1950. *H.I. Environs Report of the Month of December 1950*. HW-19896, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J., and W. Singlevich. 1951. *Radioactive Contamination in the Environs of the Hanford Works for the Period July-September 1950*. HW-20700, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J. 1951. *Radioactive Contamination in the Environs of the Hanford Works for the Period October-December 1950*. HW-21566, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J., and W. Singlevich. 1951. *Radioactive Contamination in the Environs of the Hanford Works for the Period January-March 1951*. HW-21214, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J. 1951. *Radioactive Contamination in the Environs of the Hanford Works for the Period April-June 1951*. HW-22313, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J. 1951. *Radioactive Contamination in the Environs of the Hanford Works for the Period July-September 1951*. HW-23133, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J. 1952. *Radioactive Contamination in the Environs of the Hanford Works for the Period October-December 1951*. HW-24203, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J. 1952. *Radioactive Contamination in the Environs of the Hanford Works for the Period January-March 1952*. HW-25866, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J. 1952. *Radioactive Contamination in the Environs of the Hanford Works for the Period April-June 1952*. HW-26493, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J. 1952. *Radioactive Contamination in the Environs of the Hanford Works for the Period July-September 1952*. HW-27510, General Electric Company, Hanford Works, Richland, Washington.

Paas, H. J. 1953. *Radioactive Contamination in the Environs of the Hanford Works for the Period October-December 1952*. HW-27641, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Paas, H. J. 1953. *Radioactive Contamination in the Environs of the Hanford Works for the Period January-March 1953*. HW-28009, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Paas, H. J. 1953. *Radioactive Contamination in the Environs of the Hanford Works for the Period April-June 1953*. HW-29514, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Paas, H. J. 1953. *Radioactive Contamination in the Environs of the Hanford Works for the Period July-September 1953*. HW-30174, General Electric Company, Hanford Atomic Products Operation, Richland,

Washington.

Paas, H. J. 1954. *Radioactive Contamination in the Environs of the Hanford Works for the Period October-December 1953*. HW-30744, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Paas, H. J. 1954. *Radioactive Contamination in the Environs of the Hanford Works for the Period January-March 1954*. HW-31818, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Paas, H. J., and G. E. Pilcher. 1954. *Radioactive Contamination in the Environs of the Hanford Works for the Period April-June 1954*. HW-33896, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Pilcher, G. E., J. K. Soldat, and Z. E. Carey. 1955. *Radioactive Contamination in the Environs of the Hanford Works for the Period July-September 1954*. HW-36504, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Pilcher, G. E. 1955. *Radioactive Contamination in the Environs of the Hanford Works for the Period October-December 1954*. HW-36505, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Pilcher, G. E. 1955. *Radioactive Contamination in the Environs of the Hanford Works for the Period January-March 1955*. HW-36506, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Anderson, B. V. 1955. *Radioactive Contamination in the Environs of the Hanford Works for the Period April-June 1955*. HW-38566, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Anderson, B. V., and J. K. Soldat. 1955. *Radioactive Contamination in the Environs of the Hanford Works for the Period July-September 1955*. HW-39429, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Anderson, B. V., and J. K. Soldat. 1956. *Radioactive Contamination in the Environs of the Hanford Works for the Period October-December 1955*. HW-40871, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Anderson, B. V., and J. K. Soldat. 1956. *Radioactive Contamination in the Environs of the Hanford Works for the Period January-March 1956*. HW-43012, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Anderson, B. V., and J. K. Soldat. 1956. *Radioactive Contamination in the Environs of the Hanford Works for the Period April-June 1956*. HW-44215, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Anderson, B. V., J. K. Soldat, and M. W. McConiga. 1956. *Radioactive Contamination in the Environs of the Hanford Works for the Period July-September 1956*. HW-46726, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Anderson, B. V., J. K. Soldat, and M. W. McConiga. 1957. *Radioactive Contamination in the Environs of the Hanford Works for the Period October-December 1956*. HW-48374, General Electric Company,

Hanford Atomic Products Operation, Richland, Washington.

McConiga, M. W., and J. K. Soldat. 1957. *Radioactive Contamination in the Environs of the Hanford Works for the Period January-March 1957*. HW-51009, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

McConiga, M. W., and J. K. Soldat. 1957. *Radioactive Contamination in the Environs of the Hanford Works for the Period April-June 1957*. HW-52803, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

McConiga, M. W., and J. K. Soldat. 1957. *Radioactive Contamination in the Environs of the Hanford Works for the Period July-September 1957*. HW-54841, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

McConiga, M. W., J. M. Selby, and J. K. Soldat. 1958. *Radioactive Contamination in the Environs of the Hanford Works for the Period October-December 1957*. HW-54842, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Effluent and Waste Technology Quarterly and Semiannual Reports (1956 through 1965)

Earth Sciences Personnel. 1956. *Earth Sciences' Waste Disposal Monitoring Activities Summary, January 1956*. HW-43149, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Earth Sciences Personnel. 1956. *Earth Sciences' Waste Disposal Monitoring Activities Summary, April 1956*. HW-44354, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J. (ed.). 1957. *Chemical Effluents Technology Waste Disposal Investigations - July-September 1956*. HW-49465, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J. (ed.). 1957. *Chemical Effluents Technology Waste Disposal Investigations - October-December 1956*. HW-50186, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J. (ed.). 1957. *Chemical Effluents Technology Waste Disposal Investigations - January-March 1957*. HW-51095, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J. (ed.). 1957. *Chemical Effluents Technology Waste Disposal Investigations - April-June 1957*. HW-53225, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J. (ed.). 1957. *Chemical Effluents Technology Waste Disposal Investigations - July-September 1957*. HW-54655, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Bierschenk, W. H. (ed.). 1958. *Chemical Effluents Technology Waste Disposal Investigations - October-December 1957*. HW-54848, General Electric Company, Hanford Atomic Products Operation, Richland,

Washington.

Bierschenk, W. H. (ed.). 1958. *Chemical Effluents Technology Waste Disposal Investigations - January-March 1958*. HW-55841-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Bierschenk, W. H. (ed.). 1958. *Chemical Effluents Technology Waste Disposal Investigations - April-June 1958*. HW-57002-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Bierschenk, W. H. (ed.). 1958. *Chemical Effluents Technology Waste Disposal Investigations - July-September 1958*. HW-58023-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Bierschenk, W. H. (ed.). 1959. *Chemical Effluents Technology Waste Disposal Investigations - October-December 1958*. HW-58811-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Bierschenk, W. H. (ed.). 1959. *Chemical Effluents Technology Waste Disposal Investigations - January-March 1959*. HW-60163-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Bierschenk, W. H. (ed.). 1959. *Chemical Effluents Technology Waste Disposal Investigations - April-June 1959*. HW-61197-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Bierschenk, W. H. (ed.). 1959. *Chemical Effluents Technology Waste Disposal Investigations - July-September 1959*. HW-62692-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Haney, W. A. (ed.). 1960. *Chemical Effluents Technology Waste Disposal Investigations - October-December 1959*. HW-64094-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Haney, W. A. (ed.). 1960. *Chemical Effluents Technology Waste Disposal Investigations - January-March 1960*. HW-65464-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Haney, W. A. (ed.) 1960. *Chemical Effluents Technology Waste Disposal Investigations - April-June 1960*. HW-66859-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Haney, W. A. (ed.). 1960. *Chemical Effluents Technology Waste Disposal Investigations - July-September 1960*. HW-67753-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Haney, W. A. (ed.). 1961. *Chemical Effluents Technology Waste Disposal Investigations - October-December 1960*. HW-68953-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Haney, W. A. (ed.). 1961. *Chemical Effluents Technology Waste Disposal Investigations - January-June 1961*. HW-70806-RD, General Electric Company, Hanford Atomic Products Operation, Richland,

Washington.

Brown, D. J. (ed.). 1962. *Chemical Effluents Technology Waste Disposal Investigations - July-December 1961*. HW-72645-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J. 1962. *Chemical Effluents Technology Waste Disposal Investigations - January-June 1962*. HW-74915-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J. 1963. *Chemical Effluents Technology Waste Disposal Investigations - July-December 1962*. HW-76120-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Haney, W. A. 1963. *Chemical Effluents Technology Waste Disposal Investigations - January-June 1963*. HW-78951-RD, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J., and W. A. Haney. 1964. *Chemical Effluents Technology Waste Disposal Investigations - July-December 1963*. HW-80909, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J. 1964. *Chemical Effluents Technology Waste Disposal Investigations - January-December 1964*. HW-84549, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J. 1965. *Chemical Effluents Technology Waste Disposal Investigations - January-June 1965*. BNWL-CC-285, Battelle Northwest Laboratory, Richland, Washington.

Eliason, J. R. 1966. *Earth Sciences Waste Disposal Investigations - July-December 1965.* BNWL-CC-574, Battelle Northwest Laboratory, Richland, Washington.

Eliason, J. R. 1966. *Earth Sciences Waste Disposal Investigations - January-June 1965.* BNWL-CC-887, Battelle Northwest Laboratory, Richland, Washington.

Environmental Monitoring Annual Reports (1958 through 1997)

Anderson, B. V. 1959. *Hanford Environmental Monitoring Annual Report 1958*. HW-61676, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Junkins, R. L., E. C. Watson, I. C. Nelson, and R. C. Henle. 1960. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1959*. HW-64371, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Foster, R. F., and I. C. Nelson. 1961. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1960*. HW-68435, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Foster, R. F., and I. C. Nelson. 1962. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1961*. HW-71999, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Foster, R. F., and R. H. Wilson. 1963. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1962*. HW-76526, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Foster, R. F., and R. H. Wilson. 1964. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1963*. HW-80991, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Foster, R. F., and R. H. Wilson. 1965. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1964*. BNWL-90, Battelle Northwest Laboratory, Richland, Washington.

Foster, R. F., J. K. Soldat, and T. H. Essig. 1966. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1965*. BNWL-316, Battelle Northwest Laboratory, Richland, Washington.

Foster, R. F., D. Moore, and T. H. Essig. 1966. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1965 Appendices*. BNWL-316 APP, Battelle Northwest Laboratory, Richland, Washington.

Honstead, J. F., T. H. Essig, and J. K. Soldat. 1967. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1966*. BNWL-439, Battelle Northwest Laboratory, Richland, Washington.

Honstead, J. F., and T. H. Essig. 1967. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1966 Appendices*. BNWL-439 APP, Battelle Northwest Laboratory, Richland, Washington.

Corley, J. P., and C. B. Wooldridge. 1969. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1967*. BNWL-983, Battelle Northwest Laboratory, Richland, Washington.

Corley, J. P., and C. B. Wooldridge. 1969. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1967 Appendices*. BNWL-983 APP, Battelle Northwest Laboratory, Richland, Washington.

Fisher, W. L., and C. B. Wilson. 1970. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1968*. BNWL-1341, Battelle Northwest Laboratory, Richland, Washington.

Fisher, W. L., and C. B. Wilson. 1970. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1968 Appendices*. BNWL-1341 APP, Battelle Northwest Laboratory, Richland, Washington.

Corley, J. P., C. B. Wilson, and T. H. Essig. 1970. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1969*. BNWL-1505, Battelle Northwest Laboratory, Richland, Washington.

Corley, J. P., and C. B. Wilson. 1970. *Evaluation of Radiological Conditions in the Vicinity of Hanford for 1969 Appendices*. BNWL-1505 APP, Battelle Northwest Laboratory, Richland, Washington.

Bramson, P. E., and J. P. Corley. 1972. *Environmental Surveillance at Hanford for CY 1971*. BNWL-1683, Battelle Northwest Laboratory, Richland, Washington.

Bramson, P. E., and J. P. Corley. 1972. *Environmental Surveillance at Hanford for CY 1971 (Addendum)*. BNWL-1683 ADD, Battelle Northwest Laboratory, Richland, Washington.

Corley, J. P. 1973. *Environmental Surveillance at Hanford for CY 1970*. BNWL-1669, Battelle Northwest Laboratory, Richland, Washington.

Corley, J. P. 1973. *Environmental Surveillance at Hanford for CY 1970 Data*. BNWL-1669 ADD, Battelle Northwest Laboratory, Richland, Washington.

Bramson, P. E., and J. P. Corley. 1973. *Environmental Surveillance at Hanford for CY 1972*. BNWL-1727, Battelle Northwest Laboratory, Richland, Washington.

Bramson, P. E., and J. P. Corley. 1973. *Environmental Surveillance at Hanford for CY 1972 Data*. BNWL-1727 ADD, Battelle Northwest Laboratory, Richland, Washington.

Nees, W. L., and J. P. Corley. 1974. *Environmental Surveillance at Hanford for CY 1973*. BNWL-1811, Battelle Northwest Laboratory, Richland, Washington.

Nees, W. L., and J. P. Corley. 1974. *Environmental Surveillance at Hanford for CY 1973 Data*. BNWL-1811 ADD, Battelle Northwest Laboratory, Richland, Washington.

Fix, J. J. 1975. *Environmental Surveillance at Hanford for CY 1974*. BNWL-1910, Battelle Northwest Laboratory, Richland, Washington.

Fix, J. J., and P. J. Blumer. 1975. *Environmental Surveillance at Hanford for CY 1974 Data*. BNWL-1910 ADD, Battelle Northwest Laboratory, Richland, Washington.

Speer, D. R., J. J. Fix, and P. J. Blumer. 1976. *Environmental Surveillance at Hanford for CY 1975*. BNWL-1979 Rev., Battelle Northwest Laboratory, Richland, Washington.

Fix, J. J., P. J. Blumer, and D. R. Speer. 1976. *Environmental Surveillance at Hanford for CY 1975 Data*. BNWL-1980, Battelle Northwest Laboratory, Richland, Washington.

Fix, J. J., P. J. Blumer, G. R. Hoenes, and P. E. Bramson. 1977. *Environmental Surveillance at Hanford for CY 1976*. BNWL-2142, Battelle Northwest Laboratory, Richland, Washington.

Blumer, P. J., and J. J. Fix. 1977. *Environmental Surveillance at Hanford for CY 1976 Data*. BNWL-2142 ADD, Battelle Northwest Laboratory, Richland, Washington.

Houston, J. R., and P. J. Blumer. 1978. *Environmental Surveillance at Hanford for CY 1977*. PNL-2614, Pacific Northwest Laboratory, Richland, Washington.

Houston, J. R., and P. J. Blumer. 1979. *Environmental Surveillance at Hanford for CY 1978*. PNL-2932, Pacific Northwest Laboratory, Richland, Washington.

Houston, J. R., and P. J. Blumer. 1980. *Environmental Surveillance at Hanford for CY 1979*. PNL-3283, Pacific Northwest Laboratory, Richland, Washington.

Sula, M. J., and P. J. Blumer. 1981. *Environmental Surveillance at Hanford for CY 1980*. PNL-3728, Pacific Northwest Laboratory, Richland, Washington.

Sula, M. J., W. D. McCormack, R. L. Dirkes, K. R. Price, and P. A. Eddy. 1982. *Environmental Surveillance at Hanford for CY 1981*. PNL-4211, Pacific Northwest Laboratory, Richland, Washington.

Sula, M. J., J. M. V. Carlile, K. R. Price, and W. D. McCormack. 1983. *Environmental Surveillance at Hanford for CY 1982*. PNL-4657, Pacific Northwest Laboratory, Richland, Washington.

Price, K. R., J. M. V. Carlile, R. L. Dirkes, and M. S. Trevathan. 1984. *Environmental Surveillance at Hanford for CY 1983*. PNL-5038, Pacific Northwest Laboratory, Richland, Washington.

Price, K. R., J. M. V. Carlile, R. L. Dirkes, R. E. Jaquish, M. S. Trevathan, and R. K. Woodruff. 1985. *Environmental Surveillance at Hanford for CY 1984*. PNL-5407, Pacific Northwest Laboratory, Richland, Washington.

Price, K. R. 1986. *Environmental Monitoring at Hanford for 1985*. PNL-5817, Pacific Northwest Laboratory, Richland, Washington.

Pacific Northwest Laboratory. 1987. *Environmental Monitoring at Hanford for 1986*. PNL-6120, Richland, Washington.

Jaquish, R. E., and P. J. Mitchell (eds.). 1988. *Environmental Monitoring at Hanford for 1987*. PNL-6464, Pacific Northwest Laboratory, Richland, Washington.

Jaquish, R. E., and R. W. Bryce (eds.). 1989. *Hanford Site Environmental Report for Calendar Year 1988*. PNL-6825, Pacific Northwest Laboratory, Richland, Washington.

Jaquish, R. E., and R. W. Bryce (eds.). 1990. *Hanford Site Environmental Report for Calendar Year 1989*. PNL-7346, Pacific Northwest Laboratory, Richland, Washington.

Woodruff, R. K., R. W. Hanf, M. G. Hefty, and R. E. Lundgren (eds.). 1991. *Hanford Site Environmental Report for Calendar Year 1990*. PNL-7930, Pacific Northwest Laboratory, Richland, Washington.

Woodruff, R. K., R. W. Hanf, and R. E. Lundgren (eds.). 1992. *Hanford Site Environmental Report for Calendar Year 1991*. PNL-8148, Pacific Northwest Laboratory, Richland, Washington.

Woodruff, R. K., R. W. Hanf, and R. E. Lundgren (eds.). 1993. *Hanford Site Environmental Report for Calendar Year 1992*. PNL-8682, Pacific Northwest Laboratory, Richland, Washington.

Dirkes, R. L., R. W. Hanf, R. K. Woodruff, and R. E. Lundgren (eds.). 1994. *Hanford Site Environmental Report for Calendar Year 1993*. PNL-9823, Pacific Northwest Laboratory, Richland, Washington.

Dirkes, R. L., and R. W. Hanf. 1995. *Hanford Site Environmental Report for Calendar Year 1994*. PNL-10574, Pacific Northwest Laboratory, Richland, Washington.

Schmidt, J. W., J. W. Fassett, A. R. Johnson, V. G. Johnson, B. M. Markes, S. M. McKinney, K. J. Moss, C. J. Perkins, and L. R. Richterich. 1995. *Westinghouse Hanford Company Operational Environmental Monitoring Annual Report, Calendar Year 1994*. WHC-EP-0573-3, Westinghouse Hanford Company, Richland, Washington.

Palmer, A. J., and S. M. Beeler. 1996. *Annual Environmental Monitoring Report for Calendar Year 1995, US Ecology Richland, Washington Low-Level Radioactive Waste Disposal Facility*. US Ecology, Inc., Richland, Washington.

Dirkes, R. L., and R. W. Hanf (eds.). 1996. *Hanford Site Environmental Report for Calendar Year 1995*. PNNL-11139, Pacific Northwest National Laboratory, Richland, Washington.

Schmidt, J. W., J. W. Fasset, V. G. Johnson, R. M. Mitchell, B. M. Markes, S. M. McKinney, K. J. Moss, and C. J. Perkins. 1996. *Westinghouse Hanford Company Operational Environmental Monitoring Annual Report, Calendar Year 1995*. WHC-EP-0573-4, Westinghouse Hanford Company, Richland, Washington.

Dirkes, R. L., and R. W. Hanf (eds.). 1997. *Hanford Site Environmental Report for Calendar Year 1996*. PNNL-11472, Pacific Northwest National Laboratory, Richland, Washington.

Gleckler, B. P. 1997. *Environmental Releases for Calendar Year 1996*. HNF-EP-0527-6, Waste Management Federal Services of Hanford Inc. for Fluor Daniel Hanford, Inc., Richland, Washington.

Perkins, C. J., A. R. Johnson, B. M. Markes, S. M. McKinney, and R. M. Mitchell. 1997. *Hanford Site Near-Facility Environmental Monitoring Annual Report, Calendar Year 1996.* HNF-EP-0573-5, Waste Management Federal Services of Hanford, Inc. for Fluor Daniel Hanford, Inc., Richland, Washington.

Tanaka, K. 1997. *Siemens Power Corporation - Nuclear Division, 1996 Annual RCRA Report, Ground-water Quality Assessment Program*. EMF-1933, Siemens Power Corporation, Richland, Washington.

Dirkes, R. L., and R. W. Hanf (eds.). 1998. *Hanford Site Environmental Report for Calendar Year 1997*. PNNL-11795, Pacific Northwest National Laboratory, Richland, Washington.

Perkins, C. J., A. R. Johnson, B. M. Markes, S. M. McKinney, and R. M. Mitchell. 1998. *Hanford Site Near-Facility Environmental Monitoring Annual Report, Calendar Year 1997*. HNF-EP-0573-6, Waste Management Federal Services, Inc. for Fluor Daniel Hanford, Inc., Richland, Washington.

Rockwell Hanford Operations/Westinghouse Hanford Company Environmental Surveillance Reports

Wheeler, R. E., and A. G. Law. 1980. *Rockwell Hanford Operations Environmental Surveillance Report for Calendar Year 1979*. RHO-LD-132, Rockwell Hanford Operations, Richland, Washington.

Conklin, A. W., R. E. Elder, W. L. Osborne, and J. M. Pisarcik. 1982. *Rockwell Hanford Operations Environmental Surveillance Annual Report - Calendar Year 1981*. RHO-HS-SR-82-4P, Rockwell Hanford Operations, Richland, Washington.

Conklin, A. W., R. E. Elder, and W. L. Osborne. 1982. *Rockwell Hanford Operations Environmental Surveillance Annual Report - Calendar Year 1982*. RHO-HS-SR-82-13 P, Rockwell Hanford Operations, Richland, Washington.

Conklin, A. W., R. E. Elder, V. G. Johnson, W. L. Osborne, and A. G. Law. 1984. *Rockwell Hanford Operations Environmental Surveillance Annual Report - Calendar Year 1983*. RHO-HS-SR-83-13 Rev 1P, Rockwell Hanford Operations, Richland, Washington.

Elder, R. E., A. W. Conklin, G. W. Egert, D. D. Brekke, and W. L. Osborne. 1986. *Rockwell Hanford Operations Environmental Surveillance Annual Report - Calendar Year 1985*. RHO-HS-SR-85-13 P, Rockwell Hanford Operations, Richland, Washington.

Elder, R. E., G. W. Egert, A. R. Johnson, and W. L. Osborne. 1986. *Rockwell Hanford Operations Environmental Surveillance Annual Report - Calendar Year 1986*. RHO-HS-SR-86-13 P, Rockwell Hanford Operations, Richland, Washington.

Perkins, C. J. 1988. *Westinghouse Hanford Company Environmental Surveillance Annual Report - 100 Areas, Calendar Year 1987*. WHC-EP-0161, Westinghouse Hanford Company, Richland, Washington.

UNC Nuclear Industries' Environmental Surveillance Reports

Greager, E. M. 1980. *Radiological Surveillance Report for the 100-N Area Environment - 1980*. UNI-1581, UNC Nuclear Industries, Richland, Washington.

Greager, E. M. 1981. *UNC Environmental Surveillance Report for the 100 Areas - FY 1981*. UNI-1849, UNC Nuclear Industries, Richland, Washington.

Greager, E. M. 1982. *UNC Environmental Surveillance Report for the 100 Areas - FY 1982*. UNI-2226, UNC Nuclear Industries, Richland, Washington.

Greager, E. M. 1983. *UNC Environmental Surveillance Report for the 100 Areas - FY 1983*. UNI-2640, UNC Nuclear Industries, Richland, Washington.

Greager, E. M. 1984. *UNC Environmental Surveillance Report for the 100 Areas - FY 1984*. UNI-3069, UNC Nuclear Industries, Richland, Washington.

Jacques, I. D. 1986. *UNC Environmental Surveillance Report for the 100 Areas - FY 1985*. UNI-3760, UNC Nuclear Industries, Richland, Washington.

Jacques, I. D. 1987. *UNC Environmental Surveillance Report for the 100 Areas - FY 1986*. UNI-4065, UNC Nuclear Industries, Richland, Washington.

Environmental Status Annual Reports (1965 through 1983)

Essig, T. H., and R. B. Ball. 1966. *Environmental Status of the Hanford Project - 1965 Annual Summary*. BNWL-CC-913, Battelle Northwest Laboratory, Richland, Washington.

Essig, T. H., and R. B. Ball. 1967. *Environmental Status of the Hanford Reservation from December 1966*. BNWL-CC-637-12, Battelle Northwest Laboratory, Richland, Washington.

Wooldridge, C. B. (ed.). 1968. *Environmental Status of the Hanford Reservation for November-December 1967*. BNWL-CC-1197-6, Battelle Northwest Laboratory, Richland, Washington.

Wooldridge, C. B. (ed.). 1968. *Environmental Status of the Hanford Reservation for January-June 1968*. BNWL-CC-1850, Battelle Northwest Laboratory, Richland, Washington.

Wooldridge, C. B. (ed.). 1969. *Environmental Status of the Hanford Reservation for July-December 1968*. BNWL-CC-2026, Battelle Northwest Laboratory, Richland, Washington.

Wilson, C. B., and T. H. Essig (eds.). 1970. *Environmental Status of the Hanford Reservation for January-June 1969*. BNWL-CC-2478, Battelle Northwest Laboratory, Richland, Washington.

Wilson, C. B., and T. H. Essig (eds.). 1971. *Environmental Status of the Hanford Reservation for July-December 1969*. BNWL-CC-2583, Battelle Northwest Laboratory, Richland, Washington.

Bramson, P. E. (ed.) 1972. *Environmental Status of the Hanford Reservation for 1970*. BNWL-C-96, Battelle Northwest Laboratory, Richland, Washington.

Bramson, P. E., and J. P. Corley. 1972. *Environmental Status of the Hanford Reservation for 1971*. BNWL-B-228, Battelle Northwest Laboratory, Richland, Washington.

Bramson, P. E., J. P. Corley, and W. L. Nees. 1973. *Environmental Status of the Hanford Reservation*

for CY 1972. BNWL-B-278, Battelle Northwest Laboratory, Richland, Washington.

Nees, W. L., and J. P. Corley. 1975. *Environmental Status of the Hanford Reservation for CY 1973*. BNWL-B-336, Battelle Northwest Laboratory, Richland, Washington.

Fix, J. J. 1975. *Environmental Status of the Hanford Reservation for CY 1974*. BNWL-B-429, Battelle Northwest Laboratory, Richland, Washington.

Fix, J. J., D. R. Speer, and P. J. Blumer. 1976. *Environmental Status of the Hanford Site for CY 1975*. BNWL-B-477, Battelle Northwest Laboratory, Richland, Washington.

Fix, J. J., P. J. Blumer, and P. E. Bramson. 1977. *Environmental Status of the Hanford Site for CY 1976*. BNWL-2246, Battelle Northwest Laboratory, Richland, Washington.

Houston, J. R., and P. J. Blumer. 1978. *Environmental Status of the Hanford Site for CY 1977*. PNL-2677, Pacific Northwest Laboratory, Richland, Washington.

Houston, J. R., and P. J. Blumer. 1979. *Environmental Status of the Hanford Site for CY 1978*. PNL-2933, Pacific Northwest Laboratory, Richland, Washington.

Houston, J. R., and P. J. Blumer. 1980. *Environmental Status of the Hanford Site for CY 1979*. PNL-3284, Pacific Northwest Laboratory, Richland, Washington.

Sula, M. J., P. J. Blumer, and R. L. Dirkes. 1981. *Environmental Status of the Hanford Site for CY 1980*. PNL-3729, Pacific Northwest Laboratory, Richland, Washington.

Sula, M. J., P. J. Blumer, and R. L. Dirkes. 1982. *Environmental Status of the Hanford Site for CY 1981*. PNL-4212, Pacific Northwest Laboratory, Richland, Washington.

Sula, M. J., P. J. Blumer, R. L. Dirkes, and J.M.V. Carlile. 1983. *Environmental Status of the Hanford Site for CY 1982*. PNL-4658, Pacific Northwest Laboratory, Richland, Washington.

Price, K. R., P. J. Blumer, J.M.V. Carlile, R. L. Dirkes, and M. S. Trevathan. 1984. *Environmental Status of the Hanford Site for CY 1983*. PNL-5039, Pacific Northwest Laboratory, Richland, Washington.

Groundwater-Monitoring Quarterly and Annual Reports

Essig, T. H. 1968. *Radiological Status of the Groundwater Beneath the Hanford Project, July-December 1967*. BNWL-835, Battelle Northwest Laboratory, Richland, Washington.

Essig, T. H. 1969. *Radiological Status of the Groundwater Beneath the Hanford Project, January-June 1968*. BNWL-984, Battelle Northwest Laboratory, Richland, Washington.

Denham, D. H. 1969. *Radiological Status of the Groundwater Beneath the Hanford Project, July-December 1968*. BNWL-1047, Battelle Northwest Laboratory, Richland, Washington.

Denham, D. H. 1969. *Radiological Status of the Groundwater Beneath the Hanford Project, January-June 1969*. BNWL-1233, Battelle Northwest Laboratory, Richland, Washington.

Denham, D. H. 1970. *Radiological Status of the Groundwater Beneath the Hanford Project, July-*

December 1969. BNWL-1392, Battelle Northwest Laboratory, Richland, Washington.

Essig, T. H. 1970. *Radiological Status of the Groundwater Beneath the Hanford Project, January-June 1970*. BNWL-1539, Battelle Northwest Laboratory, Richland, Washington.

Essig, T. H. 1971. *Radiological Status of the Groundwater Beneath the Hanford Project, July-December 1970*. BNWL-1613, Battelle Northwest Laboratory, Richland, Washington.

Kipp, K. L., Jr. 1972. *Radiological Status of the Groundwater Beneath the Hanford Project, January-June 1971*. BNWL-1649, Battelle Northwest Laboratory, Richland, Washington.

Kipp, K. L., Jr. 1973. *Radiological Status of the Groundwater Beneath the Hanford Project, July-December 1971*. BNWL-1680, Battelle Northwest Laboratory, Richland, Washington.

Kipp, K. L., Jr. 1973. *Radiological Status of the Groundwater Beneath the Hanford Project, January-June 1972*. BNWL-1737, Battelle Northwest Laboratory, Richland, Washington.

Kipp, K. L., Jr. 1973. *Radiological Status of the Groundwater Beneath the Hanford Project, July-December 1972*. BNWL-1752, Battelle Northwest Laboratory, Richland, Washington.

Kipp, K. L., Jr. 1975. *Radiological Status of the Groundwater Beneath the Hanford Project, January-December 1973*. BNWL-1860, Battelle Northwest Laboratory, Richland, Washington.

Raymond, J. R., D. A. Myers, J. J. Fix, V. L. McGhan, and P. M. Schrotke. 1976. *Environmental Monitoring Report on Radiological Status of the Groundwater Beneath the Hanford Site, January-December 1974*. BNWL-1970, Battelle Northwest Laboratory, Richland, Washington.

Myers, D. A., J. J. Fix, P. J. Blumer, J. R. Raymond, V. L. McGhan, and E. L. Hilty. 1976. *Environmental Monitoring Report on Radiological Status of the Groundwater Beneath the Hanford Site, January-December 1975*. BNWL-2034, Battelle Northwest Laboratory, Richland, Washington.

Myers, D. A., J. J. Fix, and J. R. Raymond. 1977. *Environmental Monitoring Report on Radiological Status of the Groundwater Beneath the Hanford Site, January-December 1976*. BNWL-2199, Battelle Northwest Laboratory, Richland, Washington.

Myers, D. A. 1978. *Environmental Monitoring Report on Radiological Status of the Groundwater Beneath the Hanford Site, January-December 1977*. PNL-2624, Pacific Northwest Laboratory, Richland, Washington.

Eddy, P. A. 1979. *Environmental Monitoring Report on Radiological Status of the Groundwater Beneath the Hanford Site, January-December 1978*. PNL-2899, Pacific Northwest Laboratory, Richland, Washington.

Eddy, P. A., and J. S. Wilbur. 1980. *Environmental Monitoring Report on Radiological Status of the Groundwater Beneath the Hanford Site, January-December 1979*. PNL-3346, Pacific Northwest Laboratory, Richland, Washington.

Eddy, P. A., and J. S. Wilbur. 1981. *Environmental Monitoring Report on Radiological Status of the Groundwater Beneath the Hanford Site, January-December 1980*. PNL-3768, Pacific Northwest Laboratory, Richland, Washington.

Eddy, P. A., C. S. Cline, and L. S. Prater. 1982. *Environmental Monitoring Report on Radiological*

Status of the Groundwater Beneath the Hanford Site, January-December 1981. PNL-4237, Pacific Northwest Laboratory, Richland, Washington.

Eddy, P. A., L. S. Prater, and J. T. Rieger. 1983. *Ground-Water Surveillance at the Hanford Site for CY 1982*. PNL-4659, Pacific Northwest Laboratory, Richland, Washington.

Prater, L. S., J. T. Rieger, C. S. Cline, E. J. Jensen, T. L. Liikala, K. R. Oster, and P. A. Eddy. 1984. *Ground-Water Surveillance at the Hanford Site for CY 1983*. PNL-5041, Pacific Northwest Laboratory, Richland, Washington.

Cline, C. S., J. T. Rieger, J. R. Raymond, and P. A. Eddy. 1985. *Ground-Water Monitoring at the Hanford Site, January-December 1984*. PNL-5408, Pacific Northwest Laboratory, Richland, Washington.

Evans, J. C., P. J. Mitchell, and D. I. Dennison. 1988. *Hanford Site Ground-Water Monitoring for April through June 1987*. PNL-6315-1, Pacific Northwest Laboratory, Richland, Washington.

Evans, J. C., D. I. Dennison, R. W. Bryce, P. J. Mitchell, D. R. Sherwood, K. M. Krupka, N. W. Hinman, E. A. Jacobson, and M. D. Freshley. 1988. *Hanford Site Ground-Water Monitoring for July Through December 1987*. PNL-6315-2, Pacific Northwest Laboratory, Richland, Washington.

Evans, J. C., R. W. Bryce, and D. R. Sherwood. 1989. *Hanford Site Ground-Water Monitoring for January through June 1988*. PNL-6886, Pacific Northwest Laboratory, Richland, Washington.

Evans, J. C., R. W. Bryce, D. R. Sherwood, M. L. Kemner, and D. R. Newcomer. 1989. *Hanford Site Ground-Water Monitoring for July through December 1988*. PNL-7120, Pacific Northwest Laboratory, Richland, Washington.

Evans, J. C., R. W. Bryce, and M. L. Kemner. 1990. *Hanford Site Ground-Water Surveillance for 1989*. PNL-7396, Pacific Northwest Laboratory, Richland, Washington.

Evans, J. C., R. W. Bryce, and D. J. Bates. 1992. *Hanford Site Ground-Water Monitoring for 1990*. PNL-8073, Pacific Northwest Laboratory, Richland, Washington.

Evans, J. C., R. W. Bryce, and D. J. Bates. 1992. *Hanford Site Ground-Water Monitoring for 1991*. PNL-8284, Pacific Northwest Laboratory, Richland, Washington.

Dresel, P. E., D. J. Bates, and J. K. Merz. 1993. *Hanford Site Environmental Data for Calendar Year 1990 - Ground Water*. PNL-8582, Pacific Northwest Laboratory, Richland, Washington.

Dresel, P. E., D. J. Bates, and J. K. Merz. 1993. *Hanford Site Environmental Data for Calendar Year 1991 - Ground Water*. PNL-8581, Pacific Northwest Laboratory, Richland, Washington.

Dresel, P. E., D. R. Newcomer, J. C. Evans, W. D. Webber, F. A. Spane, Jr., R. G. Raymond, and B. E. Opitz. 1993. *Hanford Site Ground-Water Monitoring for 1992*. PNL-8716, Pacific Northwest Laboratory, Richland, Washington.

Merz, J. K., and P. E. Dresel. 1993. *Hanford Site Environmental Data for Calendar Year 1992 - Ground Water*. PNL-8884, Pacific Northwest Laboratory, Richland, Washington.

Dresel, P. E., S. P. Luttrell, J. C. Evans, W. D. Webber, P. D. Thorne, M. A. Chamness, B. M. Gillespie, B. E. Opitz, J. T. Rieger, and J. K. Merz. 1994. *Hanford Site Ground-Water Monitoring for 1993*.

PNL-10082, Pacific Northwest Laboratory, Richland, Washington.

Dresel, P. E., P. D. Thorne, S. P. Luttrell, B. M. Gillespie, W. D. Webber, J. K. Merz, J. T. Rieger, M. A. Chamness, S. K. Wurstner, and B. E. Opitz. 1995. *Hanford Site Ground-Water Monitoring for 1994*. PNL-10698, Pacific Northwest Laboratory, Richland, Washington.

Kemp, C. J., and B. H. Ford. 1996. *Fiscal Year 1996 Groundwater Sampling for the Horn Rapids Landfill*. BHI-00949, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Geraghty & Miller, Inc. 1996. *Siemens Power Corporation Quarterly Groundwater Monitoring Summary Fourth Quarter 1995*. EMF-1865, Addendum 3, Issue Date: 3/7/96, for Siemens Power Corporation, Richland, Washington.

Siemens Power Corporation. 1996. *Quarterly Groundwater Monitoring Summary, Second Quarter 1996*. EMF-1865, Addendum 5, Richland, Washington.

Dresel, P. E., J. T. Rieger, W. D. Webber, P. D. Thorne, B. M. Gillespie, S. P. Luttrell, S. K. Wurstner, and T. L. Liikala. 1996. *Hanford Site Ground-Water Monitoring for 1995*. PNNL-11141, Pacific Northwest National Laboratory, Richland, Washington.

Hartman, M. J., and P. E. Dresel (eds.). 1997. *Hanford Site Groundwater Monitoring for Fiscal Year 1996*. PNNL-11470, Pacific Northwest National Laboratory, Richland, Washington.

Siemens Power Corporation. 1997. *1996 Annual RCRA Report, Groundwater Quality Assessment Program*. EMF-1933, Richland, Washington.

Hartman, M. J., and P. E. Dresel (eds.). 1998. *Hanford Site Groundwater Monitoring for Fiscal Year 1997*. PNNL-11793, Pacific Northwest National Laboratory, Richland, Washington.

Siemens Power Corporation. 1998. *Quarterly Groundwater Monitoring Summary - Fourth Quarter 1997*. EMF-1865, Addendum 11, Richland, Washington.

Siemens Power Corporation. 1998. *Quarterly Groundwater Monitoring Summary - Third Quarter 1998*. EMF-1865, Addendum 14, Richland, Washington.

Hartman, M. J. (ed.). 1999. *Hanford Site Groundwater Monitoring for Fiscal Year 1998*. PNNL-12086, Pacific Northwest National Laboratory, Richland, Washington.

Siemens Power Corporation. 1999. *Quarterly Groundwater Monitoring Summary - Fourth Quarter 1998*. EMF-1865, Addendum 15, Richland, Washington.

Siemens Power Corporation. 1999. *Quarterly Groundwater Monitoring Summary - Third Quarter 1999*. EMF-1865, Addendum 18, Richland, Washington.

Separations Areas Annual Reports

Graham, M. J., and W. R. Brown. 1981. *Results of the Separations Area Ground-Water Monitoring Network for 1980*. RHO-LD-165, Informal Report, Rockwell Hanford Operations, Richland, Washington.

Wilbur, J. S., M. J. Graham, and A. H. Lu. 1983. *Results of the Separations Area Ground-Water Monitoring Network for 1982*. RHO-RE-SR-83-24P, Rockwell Hanford Operations, Richland, Washington.

Law, A. G., and R. M. Allen. 1984. *Results of the Separations Area Ground-Water Monitoring Network for 1983*. RHO-RE-SR-84-24P, Rockwell Hanford Operations, Richland, Washington.

Law, A. G., and A. L. Schatz. 1986. *Results of the Separations Area Ground-Water Monitoring Network for 1985*. RHO-RE-SR-86-24P, Rockwell Hanford Operations, Richland, Washington.

Law, A. G., A. L. Schatz, M. R. Fuchs, and K. L. Dillon. 1986. *Results of the Separations Area Ground-Water Monitoring Network for 1984*. RHO-RE-SR-85-24P, Rockwell Hanford Operations, Richland, Washington.

Law, A. G., J. A. Serkowski, and A. L. Schatz. 1987. *Results of the Separations Area Ground-Water Monitoring Network for 1986*. RHO-RE-SR-87-24P, Rockwell Hanford Operations, Richland, Washington.

Serkowski, J. A., A. G. Law, J. J. Ammerman, and A. L. Schatz. 1988. *Results of Ground-Water Monitoring for Radionuclides in the Separations Area - 1987*. WHC-EP-0152, Westinghouse Hanford Company, Richland, Washington.

Serkowski, J. A., and W. A. Jordan. 1989. *Operational Groundwater Monitoring at the Hanford Site-1988*. WHC-EP-0260, Westinghouse Hanford Company, Richland, Washington.

Groundwater-Compliance (RCRA) Monitoring Reports

U.S. Department of Energy. 1985. *Closure/Post-Closure Plan for the 300 Areas Process Trenches*. TRAC-0098, Richland Operations Office, Richland, Washington.

Pacific Northwest Laboratory. 1986. *Ground-Water Monitoring Compliance Projects for Hanford Site Facilities: Progress Report for the Period May 1 to September 30, 1986*. PNL-6466, Richland, Washington.

Pacific Northwest Laboratory. 1986. *Revised Ground-Water Monitoring Compliance Plan for the 183-H Solar Evaporation Basins*. PNL-6470, prepared for the U.S. Department of Energy, Richland, Washington.

Pacific Northwest Laboratory. 1987. *Ground-Water Monitoring Compliance Projects for Hanford Site Facilities: Progress Report for the Period October 1 to December 31, 1986*, 3 vols. PNL-6465, Richland, Washington.

Pacific Northwest Laboratory. 1987. *Ground-Water Monitoring Compliance Projects for Hanford Site Facilities: Progress Report for the Period January 1 to March 31, 1987*, 3 vols. PNL-6467, Richland, Washington.

Pacific Northwest Laboratory. 1987. *Ground-Water Monitoring Compliance Projects for Hanford Site Facilities: Progress Report for the Period April 1 to June 30, 1987*. PNL-6468, Richland, Washington.

Pacific Northwest Laboratory. 1987. *Ground-Water Monitoring Compliance Projects for Hanford Site Facilities: Progress Report for the Period July 1 to September 30, 1987*. PNL-6469, Richland, Washington.

Pacific Northwest Laboratory. 1987. *Interim Characterization Report for the Area Surrounding the*

183-H Solar Evaporation Basins. PNL-6471, Richland, Washington.

Pacific Northwest Laboratory. 1988. *Ground-Water Monitoring Compliance Projects for Hanford Site Facilities: Progress Report for the Period October 1 to December 31, 1987*. PNL-6536, Richland, Washington.

Pacific Northwest Laboratory. 1988. *Ground-Water Monitoring Compliance Projects for Hanford Site Facilities: Progress Report for the Period January 1 to March 31, 1988*. PNL-6581, Richland, Washington.

Pacific Northwest Laboratory. 1988. *Ground-Water Monitoring Compliance Projects for Hanford Site Facilities: Progress Report for the Period April 1 to June 30, 1988*. PNL-6675, Richland, Washington.

Schalla, R., R. L. Aaberg, D. J. Bates, J.V.M. Carlile, M. D. Freshley, T. L. Liikala, P. J. Mitchell, K. B. Olsen, and J. T. Rieger. 1988. *Revised Ground-Water Monitoring Compliance Plan for the 300 Area Process Trenches*. PNL-6671, Pacific Northwest Laboratory, Richland, Washington.

U.S. Department of Energy. 1988. *Final Status, Post-Closure Permit Application for 183-H Solar Evaporation Basins*. DOE/RL 88-09, Richland Operations Office, Richland, Washington.

Chamness, M. A., S. P. Luttrell, and S. Dudziak. 1989. *40 CFR 265 Interim-Status Ground-Water Monitoring Plans for the 2101-M Pond*. PNL-6851, Pacific Northwest Laboratory, Richland, Washington.

Fruland, R. M., D. J. Bates, and R. E. Lundgren. 1989. *Resource Conservation and Recovery Act Ground-Water Monitoring Projects for Hanford Facilities: Progress Report for the Period July 1 to September 30, 1988*. PNL-6789, Pacific Northwest Laboratory, Richland, Washington.

Fruland, R. M., D. J. Bates, and R. E. Lundgren. 1989. *Resource Conservation and Recovery Act Ground-Water Monitoring Projects for Hanford Facilities: Progress Report for the Period October 1 to December 31, 1988*. PNL-6844, Pacific Northwest Laboratory, Richland, Washington.

Fruland, R. M., and R. E. Lundgren (eds.). 1989. *RCRA Ground-Water Monitoring Projects for Hanford Facilities: Annual Progress Report for 1988*. PNL-6852, Pacific Northwest Laboratory, Richland, Washington.

Gilmore, T. J, and E. J. Jensen. 1989. *Ground-Water Quality Assessment Program for the 1301-N Liquid Waste Disposal Facility*. WHC-SD-EN-AP-004, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Gilmore, T. J. 1989. *Ground-Water Quality Assessment for the 1324-N/NA Facilities*. WHC-SD-EN-AP-005, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Jensen, E. J., S. P. Airhart, M. A. Chamness, T. J Gilmore, D. R. Newcomer, and K. R. Oster. 1989. *40 CFR 265 Interim-Status Groundwater Monitoring Plan for the Single Shell Tanks*. WHC-SD-EN-AP-012, Westinghouse Hanford Company, Richland, Washington.

Last, G. V., and B. N. Bjornstad. 1989. *Revised Ground-Water Monitoring Plan for the 200 Areas Low-Level Burial Grounds*. WHC-SD-EN-AP-015, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Luttrell, S. P., M. A. Chamness, and S. Dudziak. 1989. *Interim-Status Ground-Water Monitoring Plan*

for the 216-B-3 Pond. WHC-SD-EN-AP-013, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Luttrell, S. P., and S. Dudziak. 1989. *40 CFR 265 Interim-Status Ground-Water Monitoring Plan for the 216-A-29 Ditch*. PNL-7556, Pacific Northwest Laboratory, Richland, Washington.

Bjornstad, B. N., and S. Dudziak. 1989. *40 CFR 265 Interim-Status Groundwater Monitoring Plan for the 216-B-63 Trench*. PNL-6862, Pacific Northwest Laboratory, Richland, Washington.

Smith, R. M., D. J. Bates, and R. E. Lundgren. 1989. *Resource Conservation and Recovery Act Ground-Water Monitoring Projects for Hanford Facilities: Progress Report for the Period January 1 to March 31, 1989*. PNL-6957, Pacific Northwest Laboratory, Richland, Washington.

Smith, R. M., D. J. Bates, and R. E. Lundgren. 1989. *Resource Conservation and Recovery Act Ground-Water Monitoring Projects for Hanford Facilities: Progress Report for the Period April 1 to June 30, 1989*. PNL-7134, Pacific Northwest Laboratory, Richland, Washington.

Smith, R. M., D. J. Bates, and R. E. Lundgren. 1989. *Resource Conservation and Recovery Act Ground-Water Monitoring Projects for Hanford Facilities: Progress Report for the Period July 1 to September 30, 1989*. PNL-7222, Pacific Northwest Laboratory, Richland, Washington.

Teel, S. S., B. N. Bjornstad, and D. R. Newcomer. 1989. *Interim-Status Ground-Water Monitoring Plan for the Grout Treatment Facility*. WHC-SD-EN-AP-006, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

U.S. Department of Energy. 1989. *Single-Shell Tank Closure/Corrective Action Work Plan*. DOE/RL-89-16, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1989. *216-B-3 Pond System Closure/Postclosure Plan*. DOE/RL 89-28, Richland Operations Office, Richland, Washington.

Airhart, S. P., J. V. Borghese, and S. Dudziak. 1990. *Interim Status Ground-Water Monitoring Plan for the 216-S-10 Pond and Ditch*. WHC-EN-AP-018, Rev. 0., Westinghouse Hanford Company, Richland, Washington.

Chamness, M. A., E. J. Jensen, and G. V. Last. 1990. *Interim-Status Ground-Water Quality Assessment Plan for Waste Management Area 1 of the 200 Areas Low-Level Burial Grounds*. WHC-SD-EN-AP-021, prepared by Pacific Northwest Laboratory for Westinghouse Hanford Company, Richland, Washington.

Chamness, M. A., E. J. Jensen, and G. V. Last. 1990. *Interim-Status Ground-Water Quality Assessment Plan for Waste Management Area 3 of the 200 Areas Low-Level Burial Grounds*. WHC-SD-EN-AP-022, prepared by Pacific Northwest Laboratory for Westinghouse Hanford Company, Richland, Washington.

Chou, C. J., G. L. Kasza, and R. B. Mercer. 1990. *Interim-Status Groundwater Quality Assessment Plan for the 216-A-29 Ditch*. WHC-SD-EN-AP-031, Westinghouse Hanford Company, Richland, Washington.

Harris, S. F. 1990. *Ground Water Quality Assessment Plan for the 216-B-3 Pond System*. WHC-SD-EN-AP-030, Westinghouse Hanford Company, Richland, Washington.

Jensen, E. J., S. P. Airhart, S. M. Goodwin, S. H. Hall, and D. R. Newcomer. 1990. *Interim-Status Groundwater Monitoring Plan for the 216-U-12 Crib*. WHC-SD-EN-AP-019, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Lerch, R. E. 1990. *Quarterly Report of Resource Conservation and Recovery Act Ground-Water Monitoring Data for Period January 1, 1990 Through March 31, 1990*. Internal letter #9053781 to R. D. Izatt, May 25, 1990. Westinghouse Hanford Company, Richland, Washington.

Schmid, J. S. 1990. *Interim Status Groundwater Monitoring Plan for the 200 East Area Liquid Effluent Retention Facility*. WHC-SD-EN-AP-024, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Smith, R. M., D. J. Bates, and R. E. Lundgren. 1990. *Resource Conservation and Recovery Act Ground-Water Monitoring Projects for Hanford Facilities: Progress Report for the Period October 1 to December 31, 1989*. PNL-7306, Pacific Northwest Laboratory, Richland, Washington.

Smith, R. M., and W. R. Gorst (eds.). 1990. *RCRA Ground-Water Monitoring Projects for Hanford Facilities: Annual Progress Report for 1989*. PNL-7305, Pacific Northwest Laboratory, Richland, Washington.

U.S. Department of Energy. 1990. *183-H Solar Evaporation Basins Closure/Postclosure Plan*. DOE/RL 88-04, Rev. 2, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1990. *Nonradioactive Dangerous Waste Landfill Closure/Postclosure Plan*. DOE/RL-90-17, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1990. *Quarterly Report of RCRA Groundwater Monitoring Data for Period April 1, 1990 through June 30, 1990*. DOE/RL-90-36, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1990. *Quarterly Report of RCRA Groundwater Monitoring Data for Period July 1, 1990 through September 30, 1990*. DOE/RL-90-46, Richland Operations Office, Richland, Washington.

Caggiano, J. A., and S. M. Goodwin. 1991. *Interim-Status Groundwater Monitoring Plan for the Single Shell Tanks*. WHC-SD-EN-AP-012, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1991. *Groundwater Monitoring Plan for the 1301-N, 1324-N/NA, and 1325-N Facilities*. WHC-SD-EN-AP-038, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1991. *Groundwater Monitoring Plan for the 100-D Ponds*. WHC-SD-EN-AP-048, Westinghouse Hanford Company, Richland, Washington.

Kasza, G. L., and S. M. Goodwin. 1991. *Groundwater Monitoring Plan for the 216-A-29 Ditch*. WHC-SD-EN-AP-045, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Schmid, J. S. 1991. *Interim Status Groundwater Monitoring Plan for the 200 East Area Liquid Effluent Retention Facility*. WHC-SD-EN-AP-024, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

U.S. Department of Energy. 1991. *183-H Solar Evaporation Basins Closure/Postclosure Plan*. DOE/RL 88-04, Rev. 3, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1991. *2101-M Pond Closure Plan*. DOE/RL-88-41, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1991. *Quarterly Report of RCRA Groundwater Monitoring Data for Period October 1, 1990 through December 31, 1990*. DOE/RL-91-04, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1991. *Annual Report for RCRA Groundwater Monitoring Projects at Hanford Site Facilities for 1990*. DOE/RL-91-03, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1991. *Quarterly Report of RCRA Groundwater Monitoring Data for Period January 1, 1991 through March 31, 1991*. DOE/RL-91-26, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1991. *Quarterly Report of RCRA Groundwater Monitoring Data for Period April 1, 1991 through June 30, 1991*. DOE/RL-91-47, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1991. *Quarterly Report of RCRA Groundwater Monitoring Data for Period July 1, 1991 through September 30, 1991*. DOE/RL-91-57, Richland Field Office, Richland, Washington.

Hartman, M. J. 1992. *Results of Groundwater Quality Assessment Monitoring at the 1301-N and 1324-N/NA Facilities*. WHC-SD-EN-EV-003, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

Tyler, D. K. 1992. *Groundwater Impact Assessment Report for the 400 Area Ponds*. WHC-EP-0587, Westinghouse Hanford Company, Richland, Washington.

U.S. Department of Energy. 1992. *Quarterly Report of RCRA Groundwater Monitoring Data for Period October 1, 1991 through December 31, 1991*. DOE/RL-92-26, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1992. *Annual Report for RCRA Groundwater Monitoring Projects at Hanford Site Facilities for 1991*. DOE/RL-92-03, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1992. *Quarterly Report of RCRA Groundwater Monitoring Data for Period January 1, 1992 through March 31, 1992*. DOE/RL-92-26-1, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1992. *Quarterly Report of RCRA Groundwater Monitoring Data for Period April 1, 1992 through June 30, 1992*. DOE/RL-92-26-2, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1992. *Quarterly Report of RCRA Groundwater Monitoring Data for Period July 1, 1992 through September 30, 1992*. DOE/RL-92-26-3, Richland Field Office, Richland, Washington.

Alexander, D. J. 1993. *Groundwater Impact Assessment Report for the 100-D Ponds*. WHC-EP-0666, Westinghouse Hanford Company, Richland, Washington.

Alexander, D. J., and V. G. Johnson. 1993. *Groundwater Impact Assessment Report for the 1325-N Liquid Waste Disposal Facility*. WHC-EP-0675, Westinghouse Hanford Company, Richland, Washington.

Alexander, D. J., V. G. Johnson, and K. A. Lindsey. 1993. *Groundwater Impact Assessment Report for the 284-WB Powerplant Ponds*. WHC-EP-0679, Westinghouse Hanford Company, Richland, Washington.

Caggiano, J. A., and C. J. Chou. 1993. *Interim-Status Groundwater Quality Assessment Plan for the Single Shell Tank Waste Management Areas T and TX-TY*. WHC-SD-EN-AP-132, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1993. *Revised Groundwater Quality Assessment Plan for the 1324-N/NA Facilities*. WHC-SD-EN-AP-005, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1993. *Groundwater Monitoring Plan for the 1301-N and 1325-N Facilities*. WHC-SD-EN-AP-038, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

Hodges, F. N. 1993. *Interim Status Groundwater Monitoring Plan for the Nonradioactive Dangerous Waste Landfill, Hanford Washington*. WHC-SD-EN-AP-026, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Hodges, F. N. 1993. *Groundwater Monitoring Plan for the Hanford Solid Waste Landfill*. WHC-SD-EN-AP-043, Rev. 0, Westinghouse Hanford Company, Richland Washington.

Lindberg, J. W., S. D. Evelo, and D. J. Alexander. 1993. *Groundwater Impact Assessment Report for the 216-S-26 Crib, 200 West Area*. WHC-EP-0690, Westinghouse Hanford Company, Richland, Washington.

Reidel, S. P., V. G. Johnson, and N. W. Kline. 1993. *Groundwater Impact Assessment for the 216-U-17 Crib, 200 West Area*. WHC-EP-0664, Westinghouse Hanford Company, Richland, Washington.

U.S. Department of Energy. 1993. *100-D Ponds Closure Plan*. DOE/RL-92-71, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *2101-M Pond Closure Plan*. DOE/RL-88-41, Rev. 2, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *Quarterly Report of RCRA Groundwater Monitoring Data for Period October 1, 1992 through December 31, 1992*. DOE/RL-92-26-4, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *Annual Report for RCRA Groundwater Monitoring Projects at Hanford Site Facilities for 1992*. DOE/RL-93-09, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *Quarterly Report of RCRA Groundwater Monitoring Data for Period January 1, 1993 through March 31, 1993*. DOE/RL-93-56-1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *Quarterly Report of RCRA Groundwater Monitoring Data for Period April 1, 1993 through June 30, 1993*. DOE/RL-93-56-2, Richland Operations Office, Richland, Washington.

Williams, B. A., and C. J. Chou. 1993. *Interim-Status Groundwater Quality Assessment Plan for the 216-U-12 Crib*. WHC-SD-EN-AP-108, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Hodges, F. N. 1994. *Corrective Action Plan for the Hanford Site Solid Waste Landfill*. DOE/RL-94-143, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Mercer, R. B. 1994. *Results of Groundwater Quality Assessment Program at Low-Level Waste Management Area 1 of the Low-Level Burial Grounds*. WHC-SD-EN-EV-025, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Mercer, R. B. 1994. *Results of Groundwater Quality Assessment Program at Low-Level Waste Management Area 3 of the Low-Level Burial Grounds*. WHC-SD-EN-EV-026, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Peterson, R. E. 1994. *Groundwater Monitoring Results for the 100-K Area Fuel Storage Basins: January 1 to March 31, 1994*. WHC-SD-EN-TI-280, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Singleton, K. M., and K. A. Lindsey. 1994. *Groundwater Impact Assessment Report for the 216-U-14 Ditch*. WHC-EP-0698, Westinghouse Hanford Company, Richland, Washington.

U.S. Department of Energy. 1994. *216-B-3 Expansion Ponds Closure Plan*. DOE/RL-89-28, Rev. 2, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Quarterly Report of RCRA Groundwater Monitoring Data for Period July 1, 1993 through September 30, 1993*. DOE/RL-93-56-3, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Quarterly Report of RCRA Groundwater Monitoring Data for Period October 1, 1993 through December 31, 1993*. DOE/RL-93-56-4, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *300 Area Process Trenches Closure Plan*. DOE/RL-93-73, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Annual Report for RCRA Groundwater Monitoring Projects at Hanford Site Facilities for 1993*. DOE/RL-93-88, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Quarterly Report of RCRA Groundwater Monitoring Data for Period January 1, 1994 through March 31, 1994*. DOE/RL-94-36-1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Quarterly Report of RCRA Groundwater Monitoring Data for Period April 1, 1994 through June 30, 1994*. DOE/RL-94-36-2, Richland Operations Office, Richland, Washington.

Westinghouse Hanford Company. 1994. *Interim-Status Groundwater Monitoring Plan for the 216-A-10 and 216-A-36B Cribs*. WHC-SD-EN-AP-170, Rev. 0-A, Richland, Washington.

Alexander, D. J., S. D. Evelo, V. G. Johnson, and M. D. Sweeney. 1995. *Groundwater Impact Assessment Report for the 216-T-4-2 Ditch*. WHC-EP-0815, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J., and C. J. Chou. 1995. *Groundwater Monitoring Plan for the 183-H Solar Evaporation Basins*. WHC-SD-EN-AP-180, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Johnson, V. G., and C. J. Chou. 1995. *Groundwater Monitoring Results for the 100 K Area Fuel*

Storage Basins: March to December 1994. WHC-SD-EN-TI-280, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

Johnson, V. G., and S. D. Evelo. 1995. *Groundwater Monitoring Results for the 100-K Area Fuel Storage Basins: January to June 1995*. WHC-SD-EN-TI-280, Rev. 2, Westinghouse Hanford Company, Richland, Washington.

Johnson, V. G., C. J. Chou, and J. W. Lindberg. 1995. *Groundwater Monitoring and Assessment Plan for the 100-K Area Fuel Storage Basins*. WHC-SD-EN-AP-174, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Johnson, V. G., A. G. Law, S. P. Reidel, S. D. Evelo, D. B. Barnett, and M. D. Sweeney. 1995. *Groundwater Impact Assessment Report for the 216-B-3 Pond System*. WHC-EP-0813, Westinghouse Hanford Company, Richland, Washington.

Kaplan, D. I., and R. J. Serne. 1995. *Distribution Coefficient Values Describing Iodine, Neptunium, Selenium, Technetium, and Uranium Sorption to Hanford Sediments*. PNL-10379, SUP. 1, Pacific Northwest Laboratory, Richland, Washington.

Lindberg, J. W., C. J. Chou, and V. G. Johnson. 1995. *Groundwater Monitoring Plan for the 300 Area Process Trenches*. WHC-SD-EN-AP-185, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Sweeney, M. D. 1995. *Interim-Status Groundwater Monitoring Plan for the 216-B-3 Pond System*. WHC-SD-EN-AP-013, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

Sweeney, M. D. 1995. *Interim Status Groundwater Monitoring Plan for the 216-B-63 Trench*. WHC-SD-EN-AP-165, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Sweeney, M. D. 1995. *Interim Status Groundwater Monitoring Plan for the 216-B-63 Trench*. WHC-SD-EN-AP-165, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

Sweeney, M. D, D. J. Alexander, S. D. Evelo, K. A. Lindsay, V. M. Johnson, and K. M. Singleton. 1995. *Groundwater Impact Assessment Report for the 216-T-1 Ditch*. WHC-EP-0814, Westinghouse Hanford Company, Richland, Washington.

U.S. Department of Energy. 1995. *Quarterly Report of RCRA Groundwater Monitoring Data for Period July 1, 1994 through September 30, 1994*. DOE/RL-94-36-3, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Quarterly Report of RCRA Groundwater Monitoring Data for Period October 1, 1994 through December 31, 1994*. DOE/RL-94-36-4, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Annual Report for RCRA Groundwater Monitoring Projects at Hanford Site Facilities for 1994*. DOE/RL-94-136, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Quarterly Report of RCRA Groundwater Monitoring Data for Period January 1, 1995 through March 31, 1995*. DOE/RL-94-69-1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Quarterly Report of RCRA Groundwater Monitoring Data for Period April 1, 1995 through June 30, 1995*. DOE/RL-94-69-2, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Quarterly Report of RCRA Groundwater Monitoring Data for Period July 1, 1995 through September 30, 1995*. DOE/RL-94-69-3, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Single-Shell Tank Closure Work Plan*. DOE-RL-89-16, Rev. A, Richland Operations Office, Richland, Washington.

Votava, J. M. 1995. *Results of the Groundwater Quality Assessment Program at the 216-A-29 Ditch RCRA Facility*. WHC-SD-EN-EV-032, Westinghouse Hanford Company, Richland, Washington.

Caggiano, J. A. 1996. *Assessment Groundwater Monitoring Plan for Single Shell Tank Waste Management Area S-SX*. WHC-SD-EN-AP-191, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Caggiano, J. A. 1996. *Assessment Groundwater Monitoring Plan for SST Waste Management Area B-BX-BY*. WHC-SD-ENV-AP-002, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1996. *Groundwater Monitoring Plan for the 1301-N, 1325-N, and 1324-N/NA Sites*. WHC-SD-EN-AP-038, Rev. 2, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1996. *RCRA Assessment Report: Total Organic Halogen at the 1324-N/NA Site*. WHC-SD-EN-EV-031, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1996. *100-D Ponds Groundwater Quality Assessment*. WHC-SD-EN-EV-033, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Lindberg, J. W., C. J. Chou, and V. G. Johnson. 1996. *Groundwater Monitoring Plan for the 300 Area Process Trenches*. WHC-SD-EN-AP-185, Rev. 0-A, Westinghouse Hanford Company, Richland, Washington.

Siemens Power Corporation. 1996. *Groundwater Quality Assessment Plan, Surface Impoundment System*. EMF-96-194, Richland, Washington.

U.S. Department of Energy. 1996. *Annual Report for RCRA Groundwater Monitoring Projects at Hanford Site Facilities for 1995*. DOE/RL-96-01, Rev. 0, Prepared by Earth and Environmental Technical Services, Westinghouse Hanford Company, Richland, Washington.

Barnett, D. B., and S. S. Teel. 1997. *Results of RCRA Groundwater Quality Assessment at the 216-B-3 Pond Facility*. PNNL-11604, Pacific Northwest National Laboratory, Richland, Washington.

Hartman, M. J. 1997. *Groundwater Monitoring Plan for the 183-H Solar Evaporation Basins*. PNNL-11573, Pacific Northwest National Laboratory, Richland, Washington.

Lindberg, J. W. 1997. *Combination RCRA Groundwater Monitoring Plan for the 216-A-10, 216-A-36B, and 216-A-37-1 PUREX Cribs*. PNNL-11523, Pacific Northwest National Laboratory, Richland, Washington

Lindberg, J. W., B. A. Williams, and F. A. Spane. 1997. *Borehole Data Package for Well 699-37-47A,*

PUREX Plant Cribs, CY 1996. PNNL-11515, Pacific Northwest National Laboratory, Richland, Washington.

Smith, R. C. 1997. *Nonradioactive Dangerous Waste Landfill Sampling and Analysis Plan and Data Quality Objectives Process Summary Report*. BHI-01073, Bechtel Hanford, Inc., Richland, Washington.

Sweeney, M. D., C. J. Chou, and B. N. Bjornstad. 1997. *Liquid Effluent Retention Facility Final-Status Groundwater Monitoring Plan*. PNNL-11620, Pacific Northwest National Laboratory, Richland, Washington.

Williams, B. A., and C. J. Chou. 1997. *Results of RCRA Groundwater Quality Assessment Program at the 216-U-12 Crib*. PNNL-11574, Pacific Northwest National Laboratory, Richland, Washington.

Hartman, M. J. 1998. *Groundwater Quality Assessment Plan for the 1324-N/NA Site – Phase 1 (First Determination)*. PNNL-11885, Pacific Northwest National Laboratory, Richland, Washington.

Hodges, F. N. 1998. *Results of Phase I Groundwater Quality Assessment for Single-Shell Tank Waste Management Areas T and TX-TY at the Hanford Site*. PNNL-11809, Pacific Northwest National Laboratory, Richland, Washington.

Johnson, V. G., and C. J. Chou. 1998. "Implications of RCRA Groundwater Quality Assessment Results for Hanford's Single Shell Tank Waste Management Areas." In *Proceedings of the 39th Annual Meeting of the Institute of Nuclear Materials Management, Florida, July 1998*. Institute of Nuclear Materials Management, Northbrook, Illinois.

Johnson, V. G., and C. J. Chou. 1998. *Results of Phase I Groundwater Quality Assessment for Single-Shell Tank Waste Management Areas S-SX at the Hanford Site*. PNNL-11810, Pacific Northwest National Laboratory, Richland, Washington.

Johnson, V. G., C. J. Chou, M. J. Hartman, and W. D. Webber. 1998. *Groundwater Monitoring for the 100-K Area Fuel-Storage Basins: July 1996 through April 1998*. PNNL-12023, Pacific Northwest National Laboratory, Richland, Washington.

Last, G. V., and B. N. Bjornstad. 1998. *Revised Ground-Water Monitoring Plan for the 200 Areas Low-Level Burial Grounds*. WHC-SD-EN-AP-015, Pacific Northwest National Laboratory, Richland, Washington.

Narbutovskih, S. M. 1998. *Results of Phase I Groundwater Quality Assessment for Single-Shell Tank Waste Management Areas B-BX-BY at the Hanford Site*. PNNL-11826, Pacific Northwest National Laboratory, Richland, Washington.

U.S. Department of Energy. 1998. *100-D Ponds Closure Plan*. DOE/RL-92-71, Rev. 2, Richland Operations Office, Richland, Washington.

Johnson, V. G., and C. J. Chou. 1999. *RCRA Assessment Plan for Single-Shell Tank Waste Management Area S-SX at the Hanford Site*. PNNL-12114, Pacific Northwest National Laboratory, Richland, Washington.

Operable Unit Reports

U.S. Department of Energy. 1989. *RCRA Facility Investigation/Corrective Measures Study Work Plan*

for the 100-HR-3 Operable Unit, Hanford Site, Richland, Washington. DOE/RL-88-36 DRAFT, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1990. *Remedial Investigation/Feasibility Study Work Plan for the 300-FF-5 Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-89-14, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1990. *Phase 1 Remedial Investigation Report for the Hanford Site 1100-EM-1 Operable Unit*. DOE/RL-90-18, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1991. *Expedited Response Action Proposal (EE/CA & EA) for 200 West Area Carbon Tetrachloride Plume*. DOE/RL-91-32, Draft B, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1991. *RCRA Facility Investigation/Corrective Measures Study Work Plan for the 100-NR-2 Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-91-46, Draft A, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1991. *Remedial Investigation/Feasibility Study Work Plan for the 100-FR-3 Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-91-53 DRAFT A, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1991. *Remedial Investigation/Feasibility Study Work Plan for the 100-KR-4 Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-90-21, Richland Field Office, Richland, Washington.

Swanson, L. C. 1992. *Phase I Hydrogeologic Summary of the 300-FF-5 Operable Unit, 300 Area*. WHC-SD-EN-TI-052, Westinghouse Hanford Company, Richland, Washington.

U.S. Department of Energy. 1992. *RCRA Facility Investigation/Corrective Measures Study Work Plan for the 100-HR-3 Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-88-36 DRAFT D, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1992. *RCRA Facility Investigation/Corrective Measures Study Work Plan for the 100-HR-3 Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-88-36, Rev. 0, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1992. *Remedial Investigation/Feasibility Study Work Plan for the 100-BC-5 Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-90-08, Rev. 0, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1992. *Remedial Investigation/Feasibility Study Work Plan for the 100-KR-4 Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-90-21, Rev. 0, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1992. *Remedial Investigation/Feasibility Study Work Plan for the 100-FR-3 Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-91-53 DRAFT B, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1992. *Remedial Investigation/Feasibility Study Work Plan for the 100-FR-3 Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-91-53, Rev. 0, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1992. *Sampling and Analysis of 100 Area Springs*. DOE/RL-92-12, Rev. 1, prepared by IT Corporation for Westinghouse Hanford Company and Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1992. *Final Remedial Investigation Study-Environmental Assessment Report for the 1100-EM-1 Operable Unit, Hanford*. DOE/RL-92-67, Draft B, Richland Operations Office, Richland, Washington.

Deford, D. H. 1993. *100-F Reactor Site Technical Baseline Report, Including Operable Units 100-FR-1 and 100-FR-2*. WHC-SD-EN-TI-169, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Kasza, G. L. 1993. *Potential for Groundwater Contamination from High Density Wastes Disposed at the BY Cribs, 200-BP-1 CERCLA Operable Unit*. WHC-SD-EN-TA-003, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Record of Decision. 1993. *Declaration of the Record of Decision, USDOE Hanford 1100 Area, Hanford Site, Benton County, Washington (1100-EM-1, 1100-EM-2, 1100-EM-3, and 1100-IU-1 Operable Units)*. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *Draft Remedial Investigation/Feasibility Study for the 100-EM-1 Operable Unit, Hanford*. DOE/RL-92-67 DRAFT C, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *Draft Remedial Investigation/Feasibility Study for the 1100-EM-1 Operable Unit, Hanford*. DOE/RL-92-67, Vol. 1, Draft C, Richland, Washington.

U.S. Department of Energy. 1993. *RCRA Facility Investigation/Corrective Measures Study Work Plan for the 100-HR-2 Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-93-20 DRAFT A, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *Sodium Dichromate Barrel Landfill Expedited Response Action Assessment*. DOE/RL-93-64, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *Interim Remedial Measures Proposed Plan for the 200-ZP-1 Operable Unit, Hanford Site, Washington*. DOE/RL-93-68, Richland Operations Office, Richland, Washington.

Westinghouse Hanford Company. 1993. *Carbon Tetrachloride Evaporative Losses and Residual Inventory Beneath 200 West Area at the Hanford Site*. WHC-SD-EN-TI-101, Rev. 0, prepared by Ebasco Services, Inc., for Westinghouse Hanford Company, Richland, Washington.

Bechtel Hanford, Inc. 1994. *Qualitative Risk Assessment for the 100-FR-3 Groundwater Operable Unit*. Richland, Washington.

Bechtel Hanford, Inc. 1994. *Pilot Scale Treatability Test for the 200-BP-5 Groundwater Operable Unit (Agreement)*. BHI-00013, Richland, Washington.

Bechtel Hanford, Inc. 1994. *Qualitative Risk Assessment for the 100-NR-2 Groundwater Operable Unit*. BHI-00055, Richland, Washington.

Bechtel Hanford, Inc. 1994. *200-UP-1 Groundwater Operable Unit Interim Remedial Measure Proposed Plan Schedule*. BHI-00206, Richland, Washington.

Fancher, J. D. 1994. *Carbon Tetrachloride ERA Soil-Gas Baseline Monitoring*. WHC-SD-EN-TI-265, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Raidl, R. F. 1994. *Geology of the 100-FR-3 Operable Unit, Hanford Site, South-Central Washington*. WHC-SD-EN-TI-221, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Rohay, V. J., K. J. Swett, and G. V. Last. 1994. *1994 Conceptual Model of Carbon Tetrachloride Contamination in the 200 West Area at the Hanford Site*. WHC-SD-EN-TI-248, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

State of Washington Department of Ecology and U.S. Environmental Protection Agency. 1994. *Action Memorandum: N-Springs Expedited Response Action Cleanup Plan, U.S. Department of Energy, Hanford Site, Washington*. Olympia, Washington.

U.S. Department of Energy. 1994. *Limited Field Investigation Report for the 100-BC-5 Operable Unit*. DOE/RL-93-37, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Remedial Investigation/Feasibility Study Work Plan for the 200-UP-1 Groundwater Operable Unit, Hanford Site, Richland, Washington*. DOE/RL-92-76, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Phase I Remedial Investigation Report for the 300-FF-5 Operable Unit*. DOE/RL-93-21, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Phase I and II Feasibility Study Report for the 300-FF-5 Operable Unit*. DOE/RL-93-22, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Limited Field Investigation Report for the 100-HR-3 Operable Unit*. DOE/RL-93-43, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Limited Field Investigation for the 100-KR-4 Operable Unit*. DOE/RL-93-79, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Limited Field Investigation Report for the 100-FR-3 Operable Unit*. DOE/RL-93-83, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Remedial Investigation and Feasibility Study Report for the Environmental Restoration Disposal Facility*. DOE/RL-93-99, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Remedial Investigation and Feasibility Study Report for the Environmental Restoration Disposal Facility*. DOE/RL-93-99, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Phase III Feasibility Study Report for the 300-FF-1 Operable Unit*. DOE/RL-94-49, Draft A, Richland, Washington.

Bechtel Hanford, Inc. 1995. *100-NR-2 Streamlined Groundwater Sampling and Analysis Plan*. BHI-00165, Richland, Washington.

Bechtel Hanford, Inc. 1995. *100-NR-2 Groundwater Summary Report*. BHI-00168, Richland, Washington.

Bechtel Hanford, Inc. 1995. *200-ZP-1 Groundwater Sampling and Analysis Plan, Revision 0*. BHI-00190, Richland, Washington.

Bechtel Hanford, Inc. 1995. *100-FR-3 Soil Gas/Groundwater Survey Description of Work*. BHI-00322, Richland, Washington.

Bechtel Hanford, Inc. 1995. *200-UP-1 Groundwater Operable Unit Interim Remedial Measure*. BHI-00419, Richland, Washington.

Bechtel Hanford, Inc. 1995. *200-NPL 200-ZP-1 Groundwater*. BHI-00447, Richland, Washington.

Bechtel Hanford, Inc. 1995. *N Springs Expedited Response Action Performance Monitoring Plan*. BHI-00164, Rev. 1A, Richland, Washington.

Ford, B. H. 1995. *200-UP-1 Vertical Profiling Activity Summary Report*. BHI-00149, Rev. 00, Bechtel Hanford, Inc., Richland, Washington.

Frain, J. M., and G. J. Jackson. 1995. *N Springs Groundwater Pump-and-Treat System Functional and Operational Requirements*. BHI-00030, Rev. 1, Bechtel Hanford, Inc., Richland, Washington.

Gustafson, F. W., J. W. Green, and C. D. Wittreich. 1995. *Treatability Test Report for the 200-UP-1 Operable Unit, Hanford Site*. DOE/RL-95-02, Rev. 0, International Technology Hanford Corporation for the U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Mukherjee, B. 1995. *N Springs Expedited Response Action Performance Monitoring Plan*. BHI-00164, Rev. 1, Bechtel Hanford, Inc., Richland, Washington.

Record of Decision. 1995. *Declaration of the Record of Decision, USDOE Hanford Environmental Restoration Disposal Facility, Hanford Site, Benton County, Washington*. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Record of Decision. 1995. *Declaration of the Record of Decision, USDOE Hanford 200 Area, Hanford Site, Benton County, Washington (200-ZP-1 Operable Unit)*. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Singleton, K. M. 1995. *200-ZP-1 Groundwater Sampling and Analysis Plan/Quality Assurance Plan*. BHI-00038, Rev. 01, Bechtel Hanford, Inc., Richland, Washington.

Singleton, K. M. 1995. *Description of Work for the 300-FF-2 Operable Unit Groundwater Limited Field Investigation at the 618-10 and 618-11 Burial Grounds*. BHI-00424, Rev. 0A, Bechtel Hanford, Inc., Richland, Washington.

U.S. Department of Energy. 1995. *100-HR-3 Operable Unit Focused Feasibility Study*. DOE/RL-94-67, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Remedial Investigation/Feasibility Study Report for the*

300-FF5 Operable Unit. DOE/RL-94-85, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-BC-1 Operable Unit*. DOE/RL-94-99, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-DR-1 Operable Unit*. DOE/RL-94-100, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-HR-1 Operable Unit*. DOE/RL-94-101, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-HR-3 Operable Unit*. DOE/RL-94-102, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-KR-4 Operable Unit*. DOE/RL-94-113, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-KR-1 Operable Unit*. DOE/RL-94-119, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-HR-2 Operable Unit*. DOE/RL-94-135, Draft A, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *200-ZP-1 Operable Unit Treatability Test Report*. DOE/RL-95-30, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-FR-1 Operable Unit*. DOE/RL-95-54, Draft B, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-BC-2 Operable Unit*. DOE/RL-95-66, Draft A, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-DR-2 Operable Unit*. DOE/RL-95-67, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *The Pilot-Scale Treatability Test Summary for the 100-HR-3 Operable Unit*. DOE/RL-95-83, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-FR-2 Operable Unit*. DOE/RL-95-92, Decisional Draft, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Proposed Plan for Interim Remedial Measures at the 100-KR-2 Operable Unit*. DOE/RL-95-96, Decisional Draft, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *RCRA Facility Investigation Report for the 200-PO-1 Operable Unit*. DOE/RL-95-100, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *RCRA Facility Investigation Report for the 200-PO-1 Operable Unit*. DOE/RL-95-100, Rev. 1, Richland Operations Office, Richland, Washington.

Bechtel Hanford, Inc. 1996. *BHI Engineering Evaluation/Conceptual Plan for the 200-UP-1 Ground-*

water Operable Unit Interim Remedial Measure. BHI-00187, Rev. 2, Richland, Washington.

Bechtel Hanford, Inc. 1996. *Description of Work and Sampling and Analysis Plan for Pore Water Sampling at Groundwater-River Interface Adjacent to 100-D/DR, -K, and -H*. BHI-00620, Richland, Washington.

Borghese, J. V., M. J. Hartman, S. P. Luttrell, C. J. Perkins, J. P. Zoric, and S. C. Tindall. 1996. *100-N Pilot Project: Proposed Consolidated Groundwater Monitoring Program*. BHI-00725, Bechtel Hanford, Inc., Richland, Washington.

Chiaramonte, G. R. 1996. *Risk-Based Decision Analysis for the 200-BP-5 Groundwater Operable Unit*. BHI-00416, Rev. 2, Bechtel Hanford, Inc., Richland, Washington.

Borghese, J. V., J. N. Winters, S. W. Petersen, J. T. Hadley, J. M. Shorey, and R. W. Ovink. 1996. *Interim Action Monitoring Plan for the 100-HR-3 and 100-KR-4 Operable Units*. DOE/RL-96-090, prepared by Bechtel Hanford, Inc. for U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Freeman-Pollard, J. R., I. D. Jacques, W. J. McMahon, K. M. Singleton, S. A. Strope, L. C. Swanson, and C. R. Windmueller. 1996. *200-ZP-1 Phase II Interim Remedial Measure Quarterly Report, August - October 1996*. BHI-00952-01, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Hadley, J. T. 1996. *CERCLA Substantive Requirement Document, 200-ZP-1, Phases II and III Interim Remedial Measure Groundwater Treatment Project*. BHI-00453, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

McKinley, W. S., D. K. Tyler, R. E. Peterson, D. L. Parker, J. T. Hadley, and W. J. McMahon. 1996. *Remedial Design Report and Remedial Action Work Plan for the 100-HR-3 and 100-KR-4 Groundwater Operable Units' Interim Action*. BHI-00765, Draft A, Bechtel Hanford, Inc., Richland, Washington.

Myers, D. A., C. W. Denslow, D. B. Erb, F. W. Gustafson, J. W. Green, Jr., and W. J. McMahon. 1996. *200-UP-1 Groundwater Pump-and-Treat Phase I Annual Report, FY 1996*. BHI-00951, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Piepho, M. G. 1996. *Numerical Analysis of Carbon Tetrachloride Movement in the Saturated and Unsaturated Zones in the 200 West Area, Hanford Site*. BHI-00459, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Peterson, R. E., and R. F. Raidl. 1996. *Groundwater Monitoring Implementation Plan for the 100-BC-5, 100-KR-4, 100-HR-3, and 100-FR-3 Operable Units.* BHI-00916, Rev. 0, prepared by CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

Peterson, R. E., R. F. Raidl, and C. W. Denslow. 1996. *Conceptual Site Models for Groundwater Contamination at 100-BC-5, 100-KR-4, 100-HR-3, and 100-FR-3 Operable Units*. BHI-00917, Rev. 0, prepared by CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

Record of Decision. 1996. *Declaration of the Record of Decision, USDOE Hanford Area 300-FF-1 and 300-FF-5 Operable Units, Hanford Site, Benton County, Washington*. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Record of Decision. 1996. *Record of Decision, USDOE Hanford 100 Area, 100-IU-1, 100-IU-3,*

100-IU-4, and 100-IU-5 Operable Units, Hanford Site, Benton County, Washington. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Record of Decision. 1996. *Declaration of the Record of Decision, USDOE Hanford 100 Area, 100-HR-3 and 100-KR-4 Operable Units, Hanford Site, Benton County, Washington*. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Rohay, V. J. 1996. *Performance Evaluation Report for Soil Vapor Extraction System Operations at the Carbon Tetrachloride Site, February 1992 - June 1995*. BHI-00720, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Rohay, V. J. 1996. *Performance Evaluation Report for Soil Vapor Extraction System Operations at the Carbon Tetrachloride Site, February 1992 - June 1996*. BHI-00720, Rev. 1, Bechtel Hanford, Inc., Richland, Washington.

Rohay, V. J., and W. J. McMahon. 1996. *Airflow Modeling Report for Vapor Extraction Operations at the 200-ZP-2 Operable Unit (Carbon Tetrachloride Expedited Response Action)*. BHI-00882, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Rohay, V. J., and R. K. Tranbarger. 1996. *Test Plan for the FY 1997 Rebound Study at the Carbon Tetrachloride Soil Vapor Extraction Site*. BHI-00947, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Singleton, K. M. 1996. *Limited Field Investigation for the 200-UP-1 Operable Unit*. DOE/RL-96-33, Rev. 0, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *RCRA Facility Investigation/Corrective Measures Study Work Plan for the 100-NR-2 Operable Unit Hanford Site, Richland, Washington*. DOE/RL-91-46, Rev. 0, Richland Field Office, Richland, Washington.

U.S. Department of Energy. 1996. *200-BP-5 Operable Unit Treatability Test Report*. DOE/RL-95-59, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *Operation and Maintenance Plan for the 300-FF-5 Operable Unit*. DOE/RL-95-73, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *100-FR-3 Groundwater/Soil Gas Supplemental Limited Field Investigation Report*. DOE/RL-95-99, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *Limited Field Investigation Report for the 300-FF-2 Operable Unit*. DOE/RL-96-42, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *RCRA Corrective Measure Study for the 200-PO-1 Operable Unit*. DOE/RL-96-66, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *N-Springs Expedited Response Action Performance Evaluation Report*. DOE/RL-95-110, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *Corrective Measures Study for the 100-NR-1 and 100-NR-2 Operable Units.* DOE/RL-95-111, Draft A, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *1301-N and 1325-N Liquid Waste Disposal Facilities, Limited Field Investigation Report*. DOE/RL-96-11, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *Remedial Design Report and Remedial Action Work Plan for the 100-HR-3 and 100-KR-4 Groundwater Operable Units' Interim Action*. DOE/RL-96-84, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *Interim Action Monitoring Plan for the 100-HR-3 and 100-KR-4 Operable Units*. DOE/RL-96-90, Draft A, Richland Operations Office, Richland, Washington.

Borghese, J. V., R. E. Peterson, L. C. Swanson, and P. B. Tolley. 1997. *Fiscal Year 1997 Annual Report for the 100-NR-2, 200-UP-1, and 200-ZP-1 Pump and Treat Operations and Operable Units*. BHI-01126, CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

Record of Decision. 1997. *Declaration of the Record of Decision, USDOE Hanford 100 Area, Hanford Site, Benton County, Washington (100-BC-1, 100-DR-1 and 100-HR-1 Operable Units)*. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Record of Decision. 1997. *Declaration of the Record of Decision, U.S. DOE Hanford 200 Area, Hanford Site, Benton County, Washington (200-UP-1 Operable Unit)*. State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *Corrective Measures Study for the 100-NR-1 and 100-NR-2 Operable Units*. DOE/RL-95-111, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *Proposed Plan for Final Remedial Actions at the 100-NR-1 Source Sites Operable Unit and Interim Remedial Action at the 100-NR-2 Groundwater Operable Unit.* DOE/RL-96-102, Draft B, Richland Operations Office, Richland, Washington.

Bechtel Hanford, Inc. 1998. *N-Springs Expedited Response Action Performance Monitoring Plan: Update*. BHI-01165, Rev. 0, Richland, Washington.

Rohay, V. J. 1998. *Performance Evaluation Report for Soil Vapor Extraction Operations at the Carbon Tetrachloride Site, February 1992 - September 1997*. BHI-00720, Rev. 2, Bechtel Hanford, Inc., Richland, Washington.

U.S. Department of Energy. 1998. *100-NR-1 Treatment, Storage, and Disposal Units Corrective Measures Study/Closure Plan*. DOE/RL-96-39, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1998. *Corrective Measures Study for the 100-NR-1 and 100-NR-2 Operable Units*. DOE/RL-95-111, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1998. *100-NR-1 Treatment, Storage, and Disposal Units Corrective Measure Study/Closure Plan*. DOE/RL-96-39, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1998. *Proposed Plan for Interim Action at the 100-NR-1 Source Sites Operable Unit and the 100-NR-2 Groundwater Operable Unit*. DOE/RL-96-102, prepared by Bechtel Hanford, Inc., Richland, Washington.

U.S. Department of Energy. 1998. *100-KR-4 and 100-HR-3 Operable Units Interim Action Performance Evaluation Report*. DOE/RL-97-96, prepared by CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

U.S. Department of Energy. 1998. *Fiscal Year 1997 Annual Report for the 100-NR-2, 200-UP-1, and 200-ZP-1 Pump and Treat Operations and Operable Units*. DOE/RL-98-38, Richland Operations, Office, Richland, Washington.

Record of Decision. 1999. *Amended Record of Decision, Decision Summary and Responsiveness Summary for the 100-HR-3 Operable Unit*. U.S. Environmental Protection Agency, Region X, Seattle, Washington.

Record of Decision. 1999. *Record of Decision for the USDOE Hanford 100-KR-2 Operable Unit K Basins Interim Remedial Action*. (EPA 541-R99-059). Agreement between the U.S. Department of Energy and the U.S. Environmental Protection Agency, with concurrence by the Washington State Department of Ecology, Olympia, Washington.

U.S. Department of Energy. 1999. *Fiscal Year 1998 Annual Summary Report for the 200-UP-1, 200-ZP-1, and 100-NR-2 Pump-and-Treat Operations and Operable Units*. DOE/RL-99-02, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1999. *Annual Summary Report, February to December 1998, for the 100-HR-3 and 100-KR-4 Pump-and-Treat Operations and Operable Units*. DOE/RL-99-13, Richland Operations Office, Richland, Washington.

Washington State Department of Ecology. 1999. *Interim Remedial Action Record of Decision for the 100-NR-1 and -NR-2 Operable Units of the Hanford 100-N Area*. Olympia, Washington.

U.S. Department of Energy. 2000. *Fiscal Year 1999 Annual Summary Report for the 200-UP-1, 200-ZP-1, and 100-NR-2 Pump-and-Treat Operations and Operable Units*. DOE/RL-99-79, Richland Operations Office, Richland, Washington.

Aggregate Area Reports

Connelly, M. P., B. H. Ford, and J. V. Borghese. 1992. *Hydrogeologic Model for the 200 West Groundwater Aggregate Area*. WHC-SD-EN-TI-014, Westinghouse Hanford Company, Richland, Washington.

Connelly, M. P., J. V. Borghese, B. H. Ford, J. W. Lindberg, C. D. Delaney, and S. J. Trent. 1992. *Hydrogeologic Model for the 200 East Groundwater Aggregate Area*. WHC-SD-EN-TI-019, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Newcomer, D. R., S. S. Teel, A. W. Pearson, K. R. O. Barton, B. N. Bjornstad, and T. J Gilmore. 1992. *Unconfined Aquifer Hydrologic Test Data Package for the 200 West Groundwater Aggregate Area Management Study*. WHC-SD-EN-DP-029, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Newcomer, D. R., R. J. Brockman, M. A. Chamness, S. M. Goodwin, D. L. McAlister, A. W. Pearson, and S. S. Teel. 1992. *Confined Aquifer Hydrologic Test Data Package for the 200 West Groundwater Aggregate Area Management Study*. WHC-SD-EN-DP-031, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Ford, B. H. 1993. *Groundwater Field Characterization Report for the 200 Aggregate Area Management*

Study. WHC-SD-EN-TI-020, Westinghouse Hanford Company, Richland, Washington.

U.S. Department of Energy. 1993. *200 West Groundwater Aggregate Area Management Study Report*. DOE/RL-92-16, Richland Operations Office, Richland, Washington.

Water-Table Reports and Maps

Bierschenk, W. H. 1957. *Fluctuations of Hanford Water Levels*. HW-53599, General Electric Company, Richland, Washington.

Kipp, K. L., and R. D. Mudd. 1974. *Selected Water Table Contour Maps and Well Hydrographs for the Hanford Reservation, 1944-1973*. BNWL-B-360, Pacific Northwest Laboratory, Richland, Washington.

Atlantic Richfield Hanford Company. 1976. *Water Table Measurement Data Maps - December 1975*. H-2-38396 Rev. 1, H-2-38397 Rev. 1, H-2-38877 Rev. 1, H-2-38398 Rev. 1, H-2-38399 Rev. 1, Richland, Washington.

Atlantic Richfield Hanford Company. 1977. *Water Table Measurement Data Maps - December 1976*. H-2-38396 Rev. 2, H-2-38397 Rev. 2, H-2-38877 Rev. 2, H-2-38398 Rev. 2, H-2-38399 Rev. 2, Richland, Washington.

Rockwell Hanford Operations. 1977. *Hanford Reservation Water Table Map July 1977*. H-2-38396 Rev. 3, Richland, Washington.

Rockwell Hanford Operations. 1978. *Water Table Measurement Data Maps - December 1977*. H-2-38396 Rev. 4, H-2-38397 Rev. 3, H-2-38877 Rev. 3, H-2-38398 Rev. 3, H-2-38399 Rev. 3, Richland, Washington.

Rockwell Hanford Operations. 1978. *Hanford Reservation Water Table Map June 1978*. H-2-38396 Rev. 5, Richland, Washington.

Brown, R. E. 1979. *A Review of Water-Well Data from the Unconfined Aquifer in the Eastern and Southern Parts of the Pasco Basin*. RHO-BWI-C-56, Rockwell Hanford Operations, Richland, Washington.

Rockwell Hanford Operations. 1979. *Water Table Measurement Data Maps - December 1978*. H-2-38396 Rev. 6, H-2-38397 Rev. 4, H-2-38877 Rev. 4, H-2-38398 Rev. 4, H-2-38399 Rev. 4, Richland, Washington.

Rockwell Hanford Operations. 1979. *Hanford Reservation Water Table Map June 1979*. H-2-38396 Rev. 7, Richland, Washington.

Rockwell Hanford Operations. 1980. *Water Table Measurement Data Maps - December 1979*. H-2-38396 Rev. 8, H-2-38397 Rev. 5, H-2-38877 Rev. 5, H-2-38398 Rev. 5, H-2-38399 Rev. 5, Richland, Washington.

Rockwell Hanford Operations. 1980. *Hanford Site Water Table Map July 1980*. H-2-38396 Rev. 9, Richland, Washington.

Rockwell Hanford Operations. 1981. *Water Table Measurement Data Maps - December 1980*. H-2-38396 Rev. 10, H-2-38397 Rev. 6, H-2-38877 Rev. 6, H-2-38398 Rev. 6, H-2-38399 Rev. 6,

Richland, Washington.

Rockwell Hanford Operations. 1981. *Water Table Measurement Data Maps - June 1981*. H-2-38396, Rev. 11, Richland, Washington.

Wilbur, J. S. 1982. *Water Table Measurement Data Maps - December 1981*. H-2-38396 Rev. 12, H-2-38397 Rev. 7, H-2-38877 Rev. 7, H-2-38398 Rev. 7, H-2-38399 Rev. 7, Rockwell Hanford Operations, Richland, Washington.

Wilbur, J. S. 1982. *Water Table Measurement Data Maps - June 1982*. H-2-38396 Rev. 13, Rockwell Hanford Operations, Richland, Washington.

Wilbur, J. S. 1983. *Water Table Measurement Data Maps - December 1982*. H-2-38396 Rev. 14, Rockwell Hanford Operations, Richland, Washington.

Fuchs, M. R. 1983. *Water-Table Measurements Data Maps - June 1983*. H-2-38396 Rev. 15, Rockwell Hanford Operations, Richland, Washington.

Allen, R. M. 1984. *Water-Level Measurements Data Maps December 1983*. H-2-38396 Rev. 16, Rockwell Hanford Operations, Richland, Washington.

Binkhorst, G. K. 1984. *Unconfined Aquifer Water-Table Map June 1984*. H-2-38396 Rev. 17, Rockwell Hanford Operations, Richland, Washington.

Schatz, A. L. 1985. *Unconfined Aquifer & Rattlesnake Ridge Aquifer Water-Level Measurements Data Maps, December 1984*. H-2-38396 Rev. 18, Rockwell Hanford Operations, Richland, Washington.

Bauer, H. H., J. J. Vaccaro, and R. C. Lane. 1985. *Maps Showing Ground-Water Levels in the Columbia River Basalt and Overlying Materials, Spring 1983, Southeastern Washington*. Water Resources Investigation Report 84-4360, U.S. Geological Survey, Tacoma, Washington.

Schatz, A. L. 1985. *Unconfined Aquifer Water-Table Map, June 1985*. H-2-38396, Rev. 19, Rockwell Hanford Operations, Richland, Washington.

Rockwell Hanford Operations. 1986. *Unconfined Aquifer & Rattlesnake Ridge Aquifer Water-Level Measurements Data Maps - December 1986*. SD-WM-TI-273, Rev. 1, Richland, Washington.

Schatz, A. L., and E. J. Jensen. 1986. *Unconfined Aquifer Water-Table Map, June 1986*. H-2-38396 Rev. 21, Rockwell Hanford Operations, Richland, Washington.

Zimmerman, D. A., A. E. Reisenauer, G. D. Black, and M. A. Young. 1986. *Hanford Site Water Table Changes 1950 Through 1980 - Data Observations and Evaluation*. PNL-5506, Pacific Northwest Laboratory, Richland, Washington.

Jensen, E. J. 1987. *Summary of Water-Level Measurements Around the 1325-N Crib During the Fall of 1985 and the Winter of 1986-1987*. PNL-6374, Pacific Northwest Laboratory, Richland, Washington.

Schatz, A. L., J. J. Ammerman, and J. A. Serkowski. 1987. *Hanford Site Water Table Map June 1987*. WHC-EP-0054, Westinghouse Hanford Company, Richland, Washington.

Schatz, A. L., and M. D. McElroy. 1988. *Ground-Water Maps of the Hanford Site Separations Area June 1988*. WHC-EP-0142-1, Westinghouse Hanford Company, Richland, Washington.

Kasza, G. L., and A. L. Schatz. 1989. *Groundwater Maps of the Hanford Site Separations Area, January 1989*. WHC-EP-0142-2, Westinghouse Hanford Company, Richland, Washington.

Kasza, G. L., S. P. Reidel, and A. L. Schatz. 1989. *Groundwater Maps of the Hanford Site Separations Area, June 1989*. WHC-EP-0142-3, Westinghouse Hanford Company, Richland, Washington.

Kasza, G. L. 1990. *Ground-Water Maps of Hanford Site Separations Areas, December 1989*. WHC-EP-0142-4, Westinghouse Hanford Company, Richland, Washington.

Kasza, G. L., S. F. Harris, and M. J. Hartman. 1990. *Ground-Water Maps of the Hanford Site*. WHC-EP-0394-1, Westinghouse Hanford Company, Richland, Washington.

Newcomer, D. R. 1990. *Evaluation of Hanford Site Water-Table Changes - 1980 to 1990*. PNL-7498, Pacific Northwest Laboratory, Richland, Washington.

Newcomer, D. R., and J. P. McDonald. 1990. *Water-Table Elevations on the Hanford Site, December 1989*. PNL-7374, Pacific Northwest Laboratory, Richland, Washington.

Newcomer, D. R., J. P. McDonald, and S. M. Goodwin. 1990. *Water-Table Elevations on the Hanford Site, June 1989*. PNL-7282, Pacific Northwest Laboratory, Richland, Washington.

Kasza, G. L., M. J. Hartman, and F. N. Hodges. 1991. *Ground Water Maps of the Hanford Site, December 1990*. WHC-EP-0394-2, Westinghouse Hanford Company, Richland, Washington.

Kasza, G. L., M. J. Hartman, F. N. Hodges, and D. C. Weekes. 1991. *Ground Water Maps of the Hanford Site, June 1991*. WHC-EP-0394-3, Westinghouse Hanford Company, Richland, Washington.

Newcomer, D. R., K. D. Pohlod, and J. P. McDonald. 1991. *Water-Table Elevations on the Hanford Site, 1990*. PNL-7693, Pacific Northwest Laboratory, Richland, Washington.

Campbell, M. D., and D. R. Newcomer. 1992. *Automatic Measurement of Water Levels Within the 300-FF-5 Boundary*. PNL-7874, Pacific Northwest Laboratory, Richland, Washington.

Kasza, G. L., M. J. Hartman, F. N. Hodges, and D. C. Weekes. 1992. *Groundwater Maps of the Hanford Site, June 1992*. WHC-EP-0394-5, Westinghouse Hanford Company, Richland, Washington.

Kasza, G. L., M. J. Hartman, F. N. Hodges, and D. C. Weekes. 1992. *Ground Water Maps of the Hanford Site, December 1991*. WHC-EP-0394-4, Westinghouse Hanford Company, Richland, Washington.

Newcomer, D. R., K. D. Pohlod, and J. P. McDonald. 1992. *Water-Table Elevations on the Hanford Site and Outlying Areas, 1991*. PNL-8122, Pacific Northwest Laboratory, Richland, Washington

Campbell, M. D., W. J. McMahon, and K. R. Simpson. 1993. *Water Level Measurements for Modeling Hydraulic Properties in the 300-FF-5 and 100 Aggregate Area Operable Units*. PNL-8580, Pacific Northwest Laboratory, Richland, Washington.

Drost, B. W., J. C. Eddert, and S. E. Cox. 1993. *Long-Term Effects of Irrigation with Imported Water on Water Levels and Water Quality*. Water-Resources Investigations Report 93-4060, U.S. Geological Survey, Tacoma, Washington.

Kasza, G. L., M. J. Hartman, F. N. Hodges, K. R. Simpson, and D. C. Weekes. 1993. *Groundwater Maps of the Hanford Site, December 1992*. WHC-EP-0394-6, Westinghouse Hanford Company, Richland, Washington.

Kasza, G. L., M. J. Hartman, W. A. Jordan, and D. C. Weekes. 1994. *Groundwater Maps of the Hanford Site, June 1993*. WHC-EP-0394-7, Westinghouse Hanford Company, Richland, Washington.

Kasza, G. L., M. J. Hartman, W. A. Jordan, and J. V. Borghese. 1994. *Groundwater Maps of the Hanford Site, December 1993*. WHC-EP-0394-8, Westinghouse Hanford Company, Richland, Washington.

Serkowski, J. A., W. A. Jordan, and M. J. Hartman. 1994. *Groundwater Maps of the Hanford Site, June 1994*. WHC-EP-0394-9, Westinghouse Hanford Company, Richland, Washington.

Serkowski, J. A., M. J. Hartman, and M. D. Sweeney. 1995. *Groundwater Maps of the Hanford Site, December 1994*. WHC-EP-0394-10, Westinghouse Hanford Company, Richland, Washington.

Connelly, M. P., W. J. McMahon, and K. R. Simpson. 1996. *100-N Area Automated Groundwater-Level Monitoring Network*. BHI-00625, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Serkowski, J. A., M. J. Hartman, and M. D. Sweeney. 1996. *Groundwater Maps of the Hanford Site, June 1995*. WHC-EP-0394-11, Westinghouse Hanford Company, Richland, Washington.

Serkowski, J. A., M. J. Hartman, and M. D. Sweeney. 1996. *Groundwater Maps of the Hanford Site, December 1995*. WHC-EP-0394-12, Westinghouse Hanford Company, Richland, Washington.

Drinking Water Reports

Maas, L. J. 1977. *Hanford Sanitary Water Quality Surveillance CY 1976*. Hanford Environmental Health Foundation, Richland, Washington.

Maas, L. J. 1978. *Hanford Sanitary Water Quality Surveillance CY 1977*. Hanford Environmental Health Foundation, Richland, Washington.

Maas, L. J. 1979. *Hanford Sanitary Water Quality Surveillance CY 1978*. HEHF-29, Hanford Environmental Health Foundation, Richland, Washington.

Maas, L. J. 1980. *Hanford Sanitary Water Quality Surveillance CY 1979*. HEHF-31, Hanford Environmental Health Foundation, Richland, Washington.

Maas, L. J. 1981. *Hanford Sanitary Water Quality Surveillance CY 1980*. HEHF-33, Hanford Environmental Health Foundation, Richland, Washington.

Maas, L. J. 1982. *Hanford Sanitary Water Quality Surveillance CY 1981*. HEHF-36, Hanford Environmental Health Foundation, Richland, Washington.

Maas, L. J. 1983. *Hanford Sanitary Water Quality Surveillance CY 1982*. HEHF-39, Hanford Environmental Health Foundation, Richland, Washington.

Maas, L. J. 1984. *Hanford Sanitary Water Quality Surveillance CY 1983*. HEHF-42, Hanford Environmental Health Foundation, Hanford, Washington.

Maas, L. J. 1985. *Hanford Sanitary Water Quality Surveillance CY 1984*. HEHF-45, Hanford Environmental Health Foundation, Richland, Washington.

Somers, S. R. 1986. *Hanford Sanitary Water Quality Surveillance CY 1985*. HEHF-55, Hanford Environmental Health Foundation, Richland, Washington.

Somers, S. R. 1987. *Hanford Sanitary Water Quality Surveillance CY 1986*. HEHF-59, Hanford Environmental Health Foundation, Richland, Washington.

Somers, S. R. 1988. *Hanford Sanitary Water Quality Surveillance CY 1987*. HEHF-71, Hanford Environmental Health Foundation, Richland, Washington.

Somers, S. R. 1989. *Hanford Sanitary Water Quality Surveillance CY 1988*. HEHF-74, Hanford Environmental Health Foundation, Richland, Washington.

Thurman, P. A. 1990. *Hanford Sanitary Water Quality Surveillance CY 1989*. HEHF-76, Hanford Environmental Health Foundation, Richland, Washington.

Thurman, P. A. 1991. *Hanford Sanitary Water Quality Surveillance CY 1990*. HEHF-82, Hanford Environmental Health Foundation, Richland, Washington.

Clark, M. L., and P. A. Thurman. 1992. *Hanford Sanitary Water Quality Surveillance for Calendar Year 1991*. HEHF-88, Hanford Environmental Health Foundation, Richland, Washington.

Thurman, P. A. 1993. *Hanford Sanitary Water Quality Surveillance for Calendar Year 1992*. HEHF-90, Hanford Environmental Health Foundation, Richland, Washington.

Computer Models/Codes

Cearlock, D. B., and R. D. Mudd. 1970. *Analysis of Hydrological Factors Influencing the Operation of the 100-N Emergency Waste Disposal Crib*. BNWL-1503, Pacific Northwest Laboratory, Richland, Washington.

Cearlock, D. B., K. L. Kipp, and D. R. Friederichs. 1972. *The Transmissivity Iterative Calculation Routine - Theory and Numerical Implementation*. BNWL-1706, Pacific Northwest Laboratory, Richland, Washington.

Kipp, K. L., A. E. Reisenauer, C. R. Cole, and L. A. Bryan. 1972. *Variable Thickness Transient Groundwater Flow Model: Theory and Numerical Implementation*. BNWL-1703, Pacific Northwest Laboratory, Richland, Washington.

Arnett, R. C., R. A. Deju, R. W. Nelson, C. R. Cole, and R. E. Gephart. 1976. *Conceptual and Mathematical Modeling of the Hanford Groundwater Flow Regime*. ARH-ST-140, Atlantic Richfield Hanford Company, Richland, Washington.

Ahlstrom, S. W., H. P. Foote, R. C. Arnett, C. R. Cole, and R. J. Serne. 1977. *Multicomponent Mass Transport Model: Theory and Numerical Implementation (Discrete-Parcel-Random-Walk Version)*. BNWL-2127, Prepared for Atlantic Richfield Hanford Company by Pacific Northwest Laboratory, Richland, Washington.

Arnett, R. C., D. J. Brown, and R. G. Baca. 1977. *Hanford Groundwater Estimates for Hypothetical Radioactive Waste Incidents*. ARH-LD-162, Atlantic Richfield Hanford Company, Richland, Washington.

Friedrichs, D. R., C. R. Cole, and R. C. Arnett. 1977. *Hanford Pathline Calculational Program - Theory, Error Analysis and Applications*. ARH-ST-149, Atlantic Richfield Hanford Company, Richland, Washington.

INTERA Environmental Consultants, Inc. 1977. *Hydrology Model Evaluation at the Hanford Nuclear Waste Facility*. ARH-C-00017, Prepared for Atlantic Richfield Hanford Company by INTERA Environmental Consultants, Inc., Houston, Texas.

Gephart, R. E., R. C. Arnett, R. G. Baca, L. S. Leonhart, F. A. Spane, Jr., D. A. Palombo, and S. R. Strait. 1979. *Hydrologic Studies Within the Columbia Plateau, Washington: An Integration of Current Knowledge*. RHO-BWI-ST-5, Rockwell Hanford Operations, Richland, Washington.

McLaughlin, D. B. 1979. *Hanford Groundwater Modeling - Review of Parameter Estimation Techniques*. RHO-C-19, Prepared for Rockwell Hanford Operations, Richland, Washington, by Resource Management Associates.

McLaughlin, D. B. 1979. *Hanford Groundwater Modeling - A Numerical Comparison of Bayesian and Fisher Parameter Estimation Techniques*. RHO-C-24, Prepared for Rockwell Hanford Operations, Richland, Washington, by Resource Management Associates.

Moore, S. F., and D. B. McLaughlin. 1979. *Hanford Groundwater Modeling - Review of Sampling Design Methods*. RHO-C-20, Prepared for Rockwell Hanford Operations, Richland, Washington, by Resource Management Associates.

Arnett, R. C., R. D. Mudd, R. G. Baca, M. D. Martin, W. R. Norton, and D. B. McLaughlin. 1981. *Pasco Basin Hydrologic Modeling and Far-Field Radionuclide Migration Potential*. RHO-BWI-LD-44, Rockwell Hanford Operations, Richland, Washington.

Hall, M. D. 1981. *Near-Field Impact, 216-U-10 (U-Pond) Decommissioning on the Unconfined Aquifer*. RHO-LD-157, Rockwell Hanford Operations, Richland, Washington.

Dove, F. H., C. R. Cole, M. G. Foley, F. W. Bond, R. E. Brown, W. J. Deutsch, M. D. Freshley, S. K. Gupta, P. J. Gutknecht, W. L. Kuhn, J. W. Lindberg, W. A. Rice, R. Schalla, J. F. Washburn, and J. T. Zellmer. 1982. *AEGIS Technology Demonstration for a Nuclear Waste Repository in Basalt*. PNL-3632, Pacific Northwest Laboratory, Richland, Washington.

Schalla, R., and L. A. Leonhart. 1982. "Dealing with Regional Hydrologic Data Base Limitations and Uncertainties, Case Example: the Columbia River Basalts." In: *Proceedings of the Symposium on the Effectiveness of Geologic Isolation of High Level Radioactive Waste*, D. C. Kocher (ed.).

Clifton, P. M., R. G. Baca, and R. C. Arnett. 1983. *Stochastic Analysis of Groundwater Traveltime for Long-Term Repository Performance Assessment*. RHO-BW-SA-323P, Rockwell Hanford Operations, Richland, Washington.

Eyler, L. L., and M. J. Budden. 1984. *Verification and Benchmarking of PORFLO: An Equivalent Porous Continuum Code for Repository Scale Analysis*. PNL-5044, Pacific Northwest Laboratory, Richland, Washington.

Jones, T. L., G. S. Campbell, and G. W. Gee. 1984. *Water Balance at an Arid Site: A Model Validation Study of Bare Soil Evaporation*. PNL-4896, Pacific Northwest Laboratory, Richland, Washington.

Sagar, B., and P. M. Clifton. 1984. *Stochastic Groundwater Flow Modeling Using the Second-Order Method*. RHO-SA-364P, Rockwell Hanford Operations, Richland, Washington.

Clifton, P. M. 1985. *Groundwater Travel Time Uncertainty Analysis-Sensitivity of Results to Model Geometry and Correlations and Cross-Correlations Among Input Parameters*. RHO-BW-ST-70P, Rockwell Hanford Operations, Richland, Washington.

England, R. L., N. W. Kline, K. J. Ekblad, and R. G. Baca. 1985. *MAGNUM-2D Computer Code: Users Guide*. RHO-BW-CR-143P, Rockwell Hanford Operations, Richland, Washington.

Estey, S. A., R. C. Arnett, and D. R. Aichele. 1985. *Users Guide for MAGNUM-3D: A Three-Dimensional Groundwater Flow Numerical Model*. RHO-BW-ST-67P, Rockwell Hanford Operations, Richland, Washington.

Kline, N. W., R. L. England, and R. G. Baca. 1985. *CHAINT Computer Code. Users Guide*. RHO-BW-CR-144P, Rockwell Hanford Operations, Richland, Washington.

Runchal, A. K., B. Sagar, R. G. Baca, and N. W. Kline. 1985. *PORFLO - A Continuum Model for Fluid Flow, Heat Transfer, and Mass Transport in Porous Media. Model Theory, Numerical Methods, and Computational Tests*. RHO-BW-CR-150P, Rockwell Hanford Operations, Richland, Washington.

Spane, F. A., Jr., and R. B. Mercer. 1985. *HEADCO: A Program for Converting Observed Water Levels and Pressure Measurements to Formation Pressure and Standard Hydraulic Head*. RHO-BW-ST-71 P, Rockwell Hanford Operations, Richland, Washington.

Fayer, M. J., G. W. Gee, and T. L. Jones. 1986. *UNSAT-H Version 1.0: Unsaturated Flow Code Documentation and Applications for the Hanford Site*. PNL-5899, Pacific Northwest Laboratory, Richland, Washington.

Kincaid, C. T., and P. J. Mitchell. 1986. *Review of Multiphase Flow and Pollutant Transport Models for the Hanford Site*. PNL-6048, Pacific Northwest Laboratory, Richland, Washington.

Simmons, C. S., C. T. Kincaid, and A. E. Reisenauer. 1986. *A Simplified Model for Radionuclide Contaminant Transport: The TRANSS Code*. PNL-6029, Pacific Northwest Laboratory, Richland, Washington.

Gee, G. W. 1987. *Recharge at the Hanford Site: Status Report*. PNL-6403, Pacific Northwest Laboratory, Richland, Washington.

Gupta, S. K., C. R. Cole, C. T. Kincaid, and A. M. Monti. 1987. *Coupled Fluid, Energy, and Solute Transport (CFEST) Model: Formulation and User's Manual*. BMI/ONWI-660, Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, Ohio.

Hall, S. H., and V. G. Johnson. 1987. *Effects of Varying Recharge on Radionuclide Flux Rates to the Water Table at a Low-Level Solid Waste Burial Site*. WHC-SA-0184, Westinghouse Hanford Company, Richland, Washington.

Mitchell, P. J., and M. D. Freshley. 1987. "Ground-Water Monitoring and Modeling at the Hanford Site." In: *Waste Management '87, Proceedings of the Symposium on Waste Management 1987*, Vol. 1 General

Interest, R. G. Post (ed.). University of Arizona Press, Tucson, Arizona.

Bian, S. H., M. J. Budden, C. L. Bartley, and S. C. Yung. 1988. *GEOTHER/VT4: A Two-Phase Groundwater Fluid Flow and Heat Transport Code for High-Level Radioactive Waste Applications*. PNL-6517, Pacific Northwest Laboratory, Richland, Washington.

Buelt, J. L., W. Conbere, M. D. Freshley, R. J. Hicks, W. L. Kuhn, D. A. Lamar, R. J. Serne, and J. L. Smoot. 1988. *The Predicted Impacts to the Groundwater and the Columbia River from Ammoniated Water Discharges to the 216-A-36B Crib*. PNL-6463, Pacific Northwest Laboratory, Richland, Washington.

Freshley, M. D., and M. J. Graham. 1988. *Estimation of Ground-Water Travel Time at the Hanford Site: Description, Past Work and Future Needs*. PNL-6328, Pacific Northwest Laboratory, Richland, Washington.

Jones, T. L. 1989. *Simulating the Water Balance of an Arid Site*. PNL-SA-17633, Dissertation, Washington State University, Pullman, Washington, published by Pacific Northwest Laboratory, Richland, Washington.

Smoot, J. L., J. E. Szecsody, B. Sagar, G. W. Gee, and C. T. Kincaid. 1989. *Simulation of Infiltration of Meteoric Water and Contaminant Plume Movement in the Vadose Zone at Single-Shell Tank 241-T-106 at the Hanford Site*. WHC-EP-0332, Westinghouse Hanford Company, Richland, Washington.

Freshley, M. D., M. P. Bergeron, N. J. Aimo, and A. G. Law. 1989. *Ground-Water Modeling Investigation of North Richland Well Field and the 1100 Area*. WHC-MR-0033, Pacific Northwest Laboratory and Westinghouse Hanford Company, Richland, Washington.

Connelly, M. P., J. D. Davis, and P. D. Rittmann. 1990. *Numerical Simulation of Sr-90 Transport from the 100-N Area Liquid Waste Disposal Facilities*. WHC-EP-0364, Westinghouse Hanford Company, Richland, Washington.

Jacobson, E. A., and M. D. Freshley. 1990. *An Initial Inverse Calibration of the Ground-Water Flow Model for the Hanford Unconfined Aquifer*. PNL-7144, Pacific Northwest Laboratory, Richland, Washington.

Khaleel, R., and T. Legore. 1990. *Effects of Varying Recharge on Radionuclide Flux Rates to the Water Table at a Low-Level Solid Waste Burial Site*. WHC-SA-0699, Westinghouse Hanford Company, Richland, Washington.

Sagar, B., and A. K. Runchal. 1990. *PORFLO-3 A Mathematical Model for Fluid Flow, Heat and Mass Transport in Variably Saturated Geologic Media*. WHC-EP-0042, Westinghouse Hanford Company, Richland, Washington.

Smoot, J. L., and B. Sagar. 1990. *Three-Dimensional Contaminant Plume Dynamics in the Vadose Zone: Simulation of the 241-T-106 Single-Shell Tank Leak at Hanford*. PNL-7221, Pacific Northwest Laboratory, Richland, Washington.

Connelly, M. P., J. D. Davis, and P. D. Rittmann. 1991. *Numerical Simulation of Strontium-90 Transport from the 100-N Area Liquid Waste Disposal Facilities*. WHC-SD-ER-TA-001, Westinghouse Hanford Company, Richland, Washington.

Gilmore, T. J, J. V. Borghese, and D. R. Newcomer. 1991. *Evaluations of the Effects of the Columbia*

River on the Unconfined Aquifer Beneath the 100-N Area. PNL-7646, Pacific Northwest Laboratory, Richland, Washington.

Golder Associates, Inc. 1991. *Travel Time and Groundwater Mounding Estimates for Alternative Soil Column Disposal Sites, Hanford Site, Washington*. Prepared for Westinghouse Hanford Company, Richland, Washington.

Golder Associates, Inc. 1991. *Groundwater Mounding and Plume Migration Analyses for Candidate Soil Column Disposal Sites, Hanford Site, Washington*. Prepared for Westinghouse Hanford Company, Richland, Washington.

Lu, A. H. 1991. *Simulations of Strontium-90 Transport from the 100-N Area to the Columbia River Using VAM2DH*. WHC-EP-0369, Westinghouse Hanford Company, Richland, Washington.

McMahon, W. J. 1991. *Computer Simulation of the Projected Hydrologic Effects of the 200 Areas Treated Effluent Disposal Basin at Each Candidate Site*. WHC-SD-W049H-SE-004, Westinghouse Hanford Company, Richland, Washington.

Nichols, W. E. 1991. *Comparative Simulations of a Two-Layer Landfill Barrier Using the HELP Version 2.0 and UNSAT-H Version 2.0 Computer Codes*. PNL-7583, Pacific Northwest Laboratory, Richland, Washington.

Thomas, T. R. 1991. *Solute Transport Benchmark Studies for TRACR3D Code Verification*. WINCO-1083, Westinghouse Idaho Nuclear Company, Idaho Falls, Idaho.

U.S. Department of Energy. 1991. *Description of Codes and Models to be Used in Risk Assessment*. DOE/RL-91-44, Richland Operations Office, Richland, Washington.

Westinghouse Hanford Company. 1991. *PORMC: A Model for Monte Carlo Simulation of Fluid Flow, Heat and Mass Transport in Variably Saturated Geologic Media*. WHC-EP-0445, Richland, Washington.

Fayer, M. J., M. L. Rockhold, and D. J. Holford. 1992. *Model Assessments of Protective Barriers: Part III, Status of FY 1990 Work*. PNL-7975, Pacific Northwest Laboratory, Richland, Washington.

Gilmore, T. J, D. R. Newcomer, S. K. Wurstner, and F. A. Spane. 1992. *Calculation of Groundwater Discharge to the Columbia River in the 100-N Area*. PNL-8057, Pacific Northwest Laboratory, Richland, Washington.

Rhoads, K., B. N. Bjornstad, R. E. Lewis, S. S. Teel, K. J. Cantrell, R. J. Serne, J. L. Smoot, C. T. Kincaid, and S. K. Wurstner. 1992. *Estimation of the Release and Migration of Lead Through Soils and Groundwater at the Hanford Site 218-E-12B Burial Ground*. PNL-8356, 2 vols., Pacific Northwest Laboratory, Richland, Washington.

Wood, M. I. 1992. *Status of Performance Assessment Studies for the Disposal of Low-Level Radioactive Waste in the 218-W-5 Burial Ground, 200 West Area, Hanford Site*. WHC-SA-1365, Westinghouse Hanford Company, Richland, Washington.

Johnson, P. C. 1993. *HyperVentilate Users Manual (v1.01 and v2.0), A Software Guidance System Created for Vapor Extraction Applications*. EPA 510-R-93-001, Shell Development Westhollow Research Center for Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Meyer, P. D. 1993. *A Quantitative Method for Groundwater Surveillance Monitoring Network Design at the Hanford Site*. PNL-8868, Pacific Northwest Laboratory, Richland, Washington.

Nichols, W. E., and M. D. White. 1993. *MSTS-Multiphase Subsurface Transport Simulator User's Guide and Reference*. PNL-8637, Pacific Northwest Laboratory, Richland, Washington.

Wurstner, S. K., and J. L. Devary. 1993. *Hanford Site Ground-Water Model: Geographic Information System Linkages and Model Enhancements, FY 1993*. PNL-8991, Pacific Northwest Laboratory, Richland, Washington.

Connelly, M. P. 1994. *Capture Zone Analyses for the 200-ZP-1 and 200-UP-1 Pilot-Scale Pump-and-Treat Tests*. WHC-SD-EN-TI-252, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Whelan, G., J. W. Buck, K. J. Castleton, J. P. McDonald, C. Sato, G. M. Gelston, A. deHamer, R. J. Serne, S. K. Wurstner, and R. N. Kickert. 1994. *Unit Environmental Transport Assessment of Contaminants from Hanford's Past-Practice Waste Sites*. PNL-10233, Pacific Northwest Laboratory, Richland, Washington.

Wurstner, S. K., and M. D. Freshley. 1994. *Predicted Impacts of Future Water Level Decline on Monitoring Wells Using a Ground-Water Model of the Hanford Site*. PNL-10196, Pacific Northwest Laboratory, Richland, Washington.

Chilakapati, A. 1995. *DRAFT: A Simulator for Reactive Flow and Transport of Groundwater Contaminants*. PNL-10636, Pacific Northwest Laboratory, Richland, Washington.

Engelman, R. E., R. E. Lewis, and D. C. Stromswold. 1995. *Calibration Models for Measuring Moisture in Unsaturated Formations by Neutron Logging*. PNL-10801, Pacific Northwest Laboratory, Richland, Washington.

Kincaid, C. T., J. W. Shade, G. A. Whyatt, M. G. Piepho, K. Rhoads, J. A. Voogd, J. H. Westsik, Jr., M. D. Freshley, K. A. Blanchard, and B. G. Lauzon. 1995. *Performance Assessment of Grouted Double-Shell Tank Waste Disposal at Hanford*. WHC-SD-WM-EE-004, Rev. 1, 2 vols., Westinghouse Hanford Company, Richland, Washington.

U.S. Department of Energy. 1995. *Modeling Evaluation of N-Springs Barrier and Pump-and-Treat Systems*. DOE/RL-94-132, Rev. 0, Richland, Washington.

Wurstner, S. K., P. D. Thorne, M. A. Chamness, M. D. Freshley, and M. D. Williams. 1995. *Development of a Three-Dimensional Ground-Water Model of the Hanford Site Unconfined Aquifer System: FY 1995 Status Report*. PNL-10886, Pacific Northwest Laboratory, Richland, Washington.

Chiaramonte, G. R., C. W. Denslow, A. J. Knepp, R. D. Landon, and S. Panday. 1996. *Hanford Sitewide Groundwater Remediation Strategy - Groundwater Contaminant Predictions*. BHI-00469, Bechtel Hanford, Inc., Richland, Washington.

Law, A. G., S. Panday, C. W. Denslow, K. R. Fecht, and A. J. Knepp. 1996. *Hanford Sitewide Groundwater Flow and Transport Model Calibration Report*. BHI-00608, Bechtel Hanford, Inc., Richland, Washington.

White, M. D., and M. Oostrom. 1996. *STOMP: Subsurface Transport Over Multiple Phase—Theory Guide*. PNNL-11217, Pacific Northwest National Laboratory, Richland, Washington.

Wood, M. I., R. Khaleel, A. H. Lu, P. D. Rittmann, S. H. Finfrock, T. H. DeLorenzo, and D. Y. Garbrick. 1996. *Performance Assessment for the Disposal of Low-level Waste in the 200 East Area Burial Grounds*. WHC-SD-WM-TI-730, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Cole, C. R., S. K. Wurstner, M. P. Bergeron, M. D. Williams, and P. D. Thorne. 1998. *Three-Dimensional Analysis of Future Groundwater Flow Conditions and Contaminant Plume Transport in the Hanford Site Unconfined Aquifer System: FY 1996 and 1997 Status Report*. PNNL-11801, Pacific Northwest National Laboratory, Richland, Washington.

Miscellaneous Hanford-Related Reports (in alphabetical order)

Agnew, S. F. 1995. *Hanford Defined Wastes: Chemical and Radionuclide Compositions*. LA-UR-94-2657, Rev. 2, Chemical Science and Technology Division, Los Alamos National Laboratory, Los Alamos, New Mexico.

Agnew, S. F. 1997. *Hanford Tank Chemical and Radionuclide Inventories: HDW Model, Rev. 4*. LA-UR-96-3860, Los Alamos National Laboratory, Los Alamos, New Mexico.

Agnew, S. F., J. Boyer, R. A. Corbin, T. B. Duran, J. R. FitzPatrick, K. A. Jurgensen, T. P. Ortiz, and B. L. Young. 1996. *Hanford Tank Chemical and Radionuclide Inventories: HDW Model Rev. 3.* LA-UR-96-858, Los Alamos National Laboratory, Los Alamos, New Mexico.

Airhart, S. P. 1990. *Borehole Completion Data Package for the 216-S-10 Ditch and Pond*. WHC-MR-0206, Westinghouse Hanford Company, Richland, Washington.

Albenesius, E. L. 1959. "Tritium as a Product of Fission." *Physics Review. Letters* 3:274.

Albenesius, E. L., and R. S. Ondrejin. 1960. "Nuclear Fission Produces Tritium." *Nucleonics* 100.

Aldrich, R. C. 1985. *Radioactive Liquid Wastes Discharged to Ground in the 200 Areas During 1984*. RHO-HS-SR-84-3-4Q LIQ P, Rockwell Hanford Operations, Richland, Washington.

Aldrich, R. C. 1986. *Radioactive Liquid Wastes Discharged to Ground in the 200 Areas During 1985*. RHO-HS-SR-85-3-4Q LIQ P, Rockwell Hanford Operations, Richland, Washington.

Aldrich, R. C. 1987. *Radioactive Liquid Wastes Discharged to Ground in the 200 Areas During 1986*. RHO-HS-SR-86-3-4Q LIQ P, Rockwell Hanford Operations, Richland, Washington.

Ames, L. L., and D. Rai. 1978. *Radionuclide Interactions with Soil and Rock Media*. EPA 520/6-78-007a, U.S. Environmental Protection Agency, Washington, D.C.

Ames, L. L., P. F. Salter, J. E. McGarrah, and B. A. Walker. 1984. "Selenate-Selenium Sorption on a Columbia River Basalt (Umtanum Basalt, Washington, U.S.A.)." *Chem. Geol*. 43:287-302.

Anderson, J. D. 1990. *A History of the 200 Area Tank Farms*. WHC-MR-0132, Westinghouse Hanford Company, Richland, Washington.

Auten, J. E., and K. D. Reynolds. 1997. *Decommissioning Report for Well 299-W-15-5*. BHI-01121,

CH2M Hill Hanford, Inc. and Waste Management Federal Services, Inc., Northwest Operations for Bechtel Hanford, Inc., Richland, Washington.

Baden, J. W., and R. E. Peterson. 1997. *183-H Postclosure Plan*. DOE/RL-97-48, Draft A, CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc. for U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Baden, J. W., and R. E. Peterson. 1997. *183-H Postclosure Plan*. DOE/RL-97-48, Rev. 0, CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc. for U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Baker, S. M., J. L. Devary, R. P. Elmore, R. F. Lorang, A. J. Rossi, and M. D. Freshley. 1988. *U1/U2 Uranium Plume Characterization, Remedial Action Review and Recommendation for Future Action*. WHC-EP-0133, Westinghouse Hanford Company, Richland, Washington.

Barnett, D. B. 1998. *Evaluation of Groundwater Monitoring Results at the Hanford Site 200 Area Treated Effluent Disposal Facility*. PNNL-11986, Pacific Northwest National Laboratory, Richland, Washington.

Barnett, D. B. 1999. *Results of Tritium Tracking and Groundwater Monitoring at the Hanford Site 200 Area State-Approved Land Disposal Site--FY 1999*. PNNL-13058, Pacific Northwest National Laboratory, Richland, Washington.

Barnett, D. B., M. P. Bergeron, C. R. Cole, M. D. Freshley, and S. K. Wurstner. 1997. *Tritium Monitoring in Groundwater and Evaluation of Model Predictions for the Hanford Site 200 Area Effluent Treatment Facility*. PNNL-11665, Pacific Northwest National Laboratory, Richland, Washington.

Barnett, D. B., J. D. Davis, L. B. Collard, P. B. Freeman, and C. J. Chou. 1995. *Groundwater Screening Evaluation/Monitoring Plan -- 200 Area Treated Effluent Disposal Facility (Project W-049H)*. WHC-SD-EN-WP-012, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

Barney, G. S. 1981. *Radionuclide Reactions with Groundwater and Basalts from Columbia River Basalts*. RHO-SA-217, Rockwell Hanford Operations, Richland, Washington.

Barney, G. S. 1984. "Radionuclide Sorption and Desorption Reactions with Interbed Materials from the Columbia River Basalt Formation." In: *Geochemical Behavior of Disposed Radioactive Waste*, G. S. Barney, J. D. Navratil, and W. W. Schultz (eds.). ACS Symposium Series 246, American Chemical Society, Washington, D.C.

Barton, K.R.O., L. A. Doremus, T. J Gilmore, G. V. Last, and J. V. Boreghese. 1990. *Borehole Completion Data Package for Low-Level Burial Grounds - 1990*. WHC-MR-0205, prepared by Pacific Northwest Laboratory for Westinghouse Hanford Company, Richland, Washington.

Bauer, H. H., and J. J. Vaccaro. 1990. *Estimates of Ground-Water Recharge to the Columbia Plateau Regional Aquifer System, Washington, Oregon, and Idaho for Predevelopment and current Land Use Conditions*. Water Resources Investigation Report 88-4108, U.S. Geological Survey, Tacoma, Washington.

Bechtel Hanford, Inc. 1999. *Cleanup Verification Package for the 116-C-1 Process Effluent Trench*. CVP-98-00006, Rev. 0, Richland, Washington.

Bierschenk, W. H. 1957. *Fluctuations of Hanford Water Levels*. HW-53599, General Electric Company,

Richland, Washington.

Bierschenk, W. H. 1959. *Aquifer Characteristics and Ground-Water Movement at Hanford*. HW-60601, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Bjornstad, B. N. 1984. *Suprabasalt Stratigraphy Within and Adjacent to the Reference Repository Location*. SD-BWI-DP-039, Rockwell Hanford Operations, Richland, Washington.

Bjornstad, B. N. 1990. *Geohydrology of the 218-W-5 Burial Ground, 200-West Area, Hanford Site*. PNL-7336, Pacific Northwest Laboratory, Richland, Washington.

Borghese, J. V., R. S. Edrington, and L. D. Walker. 1995. *N Springs Pump-and-Treat Well Design*. BHI-00147, Rev. 1, Bechtel Hanford, Inc., Richland, Washington.

Brown, D. J. 1963. *Status of the Ground Water Beneath Hanford Reactor Areas, January 1962 to January 1963*. HW-77170, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J. 1964. *Ground Water Travel Time Calculations for the 1301-N Crib*. HW-80558, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Brown, D. J., and J. R. Raymond. 1962. *Hanford Experience in the Radiological Monitoring of Ground Water*. HW-SA-2566, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Bryce, R. W., and S. M. Goodwin. 1989. *Borehole Summary Report for Five Ground-Water Monitoring Wells Constructed in the 1100 Area*. PNL-6824, Pacific Northwest Laboratory, Richland, Washington.

Buske, N., and L. Josephson. 1988. *Water and Sediment Reconnaissance of the Hanford Shoreline*. Hanford Reach Project, Data Report No. 4, Fall 1988, SEARCH Technical Services, Davenport, Washington.

Caggiano, J. A., Jr. 1992. *Borehole Completion Data Package for Single-Shell Tanks: CY 1990*. WHC-SD-EN-DP-041, Westinghouse Hanford Company, Richland, Washington.

Caggiano, J. A. 1993. *Borehole Completion Data Package for CY 1991 and CY 1992 RCRA Wells at Single-Shell Tanks*. WHC-SD-EN-DP-042, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Campbell, M. D. 1994. *Monitoring Groundwater and River Interaction Along the Hanford Reach of the Columbia River*. PNL-9437, Pacific Northwest Laboratory, Richland, Washington.

Campbell, M. D., G. W. Gee, M. J. Kanyid, and M. L. Rockhold. 1990. *Field Lysimeter Test Facility: Second Year (FY 1989) Test Results*. PNL-7209, Pacific Northwest National Laboratory, Richland, Washington.

Carpenter, R. W. 1993. *100-D Technical Baseline Report*. WHC-SD-EN-TI-181, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Carpenter, R. W., and S. L. Cotè. 1994. *100-K Area Technical Baseline Report*. WHC-SD-EN-TI-239, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Carpenter, R. W., S. L. Cotè, D. H. Deford, and M. W. Einan. 1994. *100-B/C Area Technical Baseline Report*. WHC-SD-EN-TI-220, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Chamness, M. A., and J. K. Merz. 1993. *Hanford Wells*. PNL-8800, Pacific Northwest Laboratory, Richland, Washington.

Chamness, M. A., T. J Gilmore, and S. S. Teel. 1993. *Savage Island Project Borehole Completion Report*. PNL-8485, Pacific Northwest Laboratory, Richland, Washington.

Chamness, M. A., S. P. Luttrell, D. J. Bates, and W. J. Martin. 1990. *2101-M Pond Hydrogeologic Characterization Report*. PNL-7468, Pacific Northwest Laboratory, Richland, Washington.

Chapman, D. W. 1988. "Critical Review of Variables Used to Define Effects of Fines in Redds of Large Salmonids." *Transactions of the American Fisheries Society* 117:1-21.

Chiaramonte, G. R. 1997. *Decision Process for Hanford Sitewide Groundwater Remediation*. BHI-00455, Rev. 1, Bechtel Hanford, Inc., Richland, Washington.

Chou, C. J., and V. G. Johnson. 1996. *Effluent Variability Study Results for the 200 Area Effluent Disposal Facility (W-049H)*. WHC-SD-LEF-EV-001, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Conaway, J. G., R. J. Luxmoore, J. M. Matuszek, and R. O. Patt. 1997. *Tank Waste Remediation System Vadose Zone Contamination Issue: Independent Expert Panel Status Report*. DOE/RL-97-49, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Connelly, M. P. 1997. *Assessment of the Chromium Plume West of the 100-D/DR Reactors*. BHI-00967, CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

Connelly, M. P. 1997. *Chromium Plume West of the 100-D/DR Reactors--Data Supplement*. BHI-01131, CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

Cotè, S. L. 1994. *100-N Technical Baseline Report*. WHC-SD-EN-TI-251, Westinghouse Hanford Company, Richland, Washington.

Cushing, C. E. (ed.) 1995. *Hanford Site National Environmental Policy Act (NEPA) Characterization*. PNL-6415, Rev. 7, Pacific Northwest Laboratory, Richland, Washington.

Dauble, D. D., and D. G. Watson. 1990. *Spawning and Abundance of Fall Chinook Salmon (Oncorhynchus tshawytscha) in the Hanford Reach of the Columbia River, 1948-1988*. PNL-7289, Pacific Northwest Laboratory, Richland, Washington.

Davis, J. D. 1993. *Site Characterization Report, Results of Detailed Evaluation of the Suitability of the Site Proposed for Disposal of 200 Areas Treated Effluent*. WHC-SD-EN-SE-004, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Davis, J. D., D. B. Barnett, C. J. Chou, and P. B. Freeman. 1996. *Ground-Water Screening Evaluation/ Monitoring Plan -- 200 Area Effluent Treatment Facility (Project C-018H)*. WHC-SD-C018H-PLN-004, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

Davis, J. D., D. B. Barnett, L. C. Swanson, W. J. McMahon, and C. D. Palomares. 1993. *Site Characterization Report: Results of Detailed Evaluation of the Suitability of the Site Proposed for Disposal of*

200 Areas Treated Effluent. WHC-SD-EN-ES-004, Westinghouse Hanford Company, Richland, Washington.

Deford, D., and M. W. Einan. 1995. *100-H Area Technical Baseline Report*. BHI-00127, Rev. 0, Bechtel Hanford Inc., Richland, Washington.

Deju, R. A., and W. K. Summers. 1975. *Transmissivity and Hydraulic Conductivity of Saturated Sedimentary Rocks in the Hanford Reservation*. CA-168-RA-D5, Atlantic Richfield Hanford Company, Richland, Washington.

Delaney, C. D. 1993. *Borehole Completion Data Package for the CY 1992 216-B-3 Pond Drilling Project*. WHC-SD-EN-DP-053, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Delaney, C. D., and S. M. Goodwin. 1992. *Borehole Completion Data Package for Calendar Year 1991: 216-B-3 Pond Drilling Project*. WHC-SD-EN-DP-046, Westinghouse Hanford Company, Richland, Washington.

Delaney, C. D., K. A. Lindsey, and S. P. Reidel. 1991. *Geology and Hydrology of the Hanford Site: A Standardized Text for Use in Westinghouse Hanford Company Documents and Reports*. WHC-SD-ER-TI-003, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Delegard, C. H., R. L. Weiss, R. T. Kimura, A. G. Law, and R. C. Routson. 1986. "Characterization and Anion Exchange Removal of Uranium from Hanford Ground Water." In: *Waste Management '86, Proceedings of the Symposium on Waste Management*, Vol. 1 General Interest, R. G. Post (ed.). University of Arizona Press, Tucson, Arizona. (RHO-RE-SA-116P)

Dirkes, R. L. 1990. *1988 Hanford Riverbank Springs Characterization Report*. PNL-7500, Pacific Northwest Laboratory, Richland, Washington.

Dirkes, R. L., R. W. Hanf, and T. M. Poston (eds.). 1999. *Hanford Site 1998 Environmental Report*. PNNL-12088, Pacific Northwest National Laboratory, Richland, Washington.

Doremus, L. A. 1990. *Borehole Completion Data Package for the Liquid Effluent Retention Facility*. WHC-MR-0235, Westinghouse Hanford Company, Richland, Washington.

Drost, B. W., S. E. Cox, and K. M. Schurr. 1997. *Changes in Ground-Water Levels and Ground-Water Budgets, from Predevelopment to 1986, in Parts of the Pasco Basin, Washington*. Water-Resources Investigations Report 96-4086, U.S. Geological Survey, Tacoma, Washington.

Drost, B. W., K. M. Schurr, and W. E. Lum II. 1989. *Selected Ground-Water Information for the Pasco Basin and Adjacent Areas, Washington, 1986-1989*. Open-File Report 89-228, U.S. Geological Survey, Tacoma, Washington.

Drummond, M. E. 1992. *The Future for Hanford: Uses and Cleanup. A Final Report of the Hanford Future Site Uses Working Group*. Eastern Washington University, Cheney, Washington.

Ebbert, J. C., S. E. Cox, B. W. Drost, and K. M. Shurr. 1995. *Distribution and Sources of Nitrate and Presence of Fluoride and Pesticides in Parts of the Pasco Basin, Washington, 1986-1988*. Water-Resources Investigations Report 93-4197, U.S. Geological Survey, Washington, D.C., 173 p.

Ecology and EPA. 1986. *Consent Agreement and Compliance Order*. DE86-133, PCHB No. 86-44, State of Washington Department of Ecology and U.S. Environmental Protection Agency, Olympia,

Washington.

Eddy, P. A., D. A. Myers, and J. R. Raymond. 1978. *Vertical Contamination in the Unconfined Ground Water at the Hanford Site, Washington*. PNL-2724, Pacific Northwest Laboratory, Richland, Washington.

Eddy, P. A., S. S. Teel, J. R. Raymond, and W. H. Bierschenk. 1988. *Water Quality: Historic Values and Impact of Drilling Activities During FY 1988 at the Reference Repository Location in Southeastern Washington*. PNL-6497, Pacific Northwest Laboratory, Richland, Washington.

Eliason, J. R., and B. F. Hajek. 1967. *Ground Disposal of Reactor Coolant Effluent*. BNWL-CC-1352, Battelle Northwest, Richland, Washington.

Evans, J. C. 1989. *1100-EM-1 Soil Gas Survey Final Report*. WHC-MR-0072, Westinghouse Hanford Company, Richland, Washington.

Evans, J. C., R. M. Fruland, D. W. Glover, and C. Veverka. 1989. *Final Soil-Gas Survey at the Solid Waste Landfill*. PNL-7147, Pacific Northwest Laboratory, Richland, Washington.

Fancher, J. D. 1993. *200 West Carbon Tetrachloride Expedited Response Action Baseline Monitoring Data Package*. WHC-SD-EN-DP-063, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Fayer, M. J., and T. B. Walters. 1995. *Estimated Recharge Rates at the Hanford Site*. PNL-10285, Pacific Northwest Laboratory, Richland, Washington.

Fecht, K. R.. 1978. *Geology of Gable Mountain - Gable Butte Area*. RHO-BWI-LD-5, Rockwell Hanford Operations, Richland, Washington.

Fecht, K. R., and D. C. Weekes. 1996. *Geologic Field Inspection of the Sedimentary Sequence at the Environmental Restoration Disposal Facility*. BHI-00230, Bechtel Hanford, Inc., Richland, Washington.

Fecht, K. R., G. V. Last, and K. R. Price. 1977. *Evaluation of Scintillation Probe Profiles from 200 Area Crib Monitoring Wells*. ARH-ST-156, Atlantic Richfield Hanford Company, Richland, Washington.

Fecht, K. R., S. P. Reidel, and A. M. Tallman. 1987. "Paleodrainage of the Columbia River System on the Columbia Plateau of Washington State - A Summary." In *Selected Papers on the Geology of Washington*. J. E. Schuster (ed.), Washington State Division of Geology and Earth Resources, Bulletin 77, p. 219-248.

Fecht, K. R., D. B. Barnett, A. G. Law, K. A. Lindsey, and V. J. Rohay. 1994. "Pleistocene Clastic Dikes and Their Influence on Moisture Flow in the Vadose Zone of South-Central Washington State." *Geological Society of America, Abstracts with Programs* 26(7):A204.

Ford, B. H., and C. W. Denslow. 1996. *Methodology for Evaluating Groundwater Analytical Data*. BHI-00757, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Freeman-Pollard, J. R. 1996. *200-ZP-1 IRM Phase II and III Remedial Design Report*. DOE/RL-96-07, Rev. 1, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Freshley, M. D. 1989. "Estimation of Ground-Water Travel Time at the Hanford Site, Washington." In: *Abstracts, Fall Meeting, American Geophysical Union, December 4-8*, San Francisco, California.

American Geophysical Union 70(43):1098.

Freshley, M. D., and P. D. Thorne. 1991. "Reconstruction of Radionuclide Movement in Groundwater at the Hanford Site." *Trans. Am. Nuc. Soc*. 63:47-49.

Freshley, M. D., and P. D. Thorne. 1992. *Ground-Water Contribution to Dose from Past Hanford Operations*. PNWD-1974 HEDR, Battelle Pacific Northwest Laboratories, Richland, Washington.

Fruchter, J. S., J. E. Amonette, C. R. Cole, Y. A. Gorby, M. D. Humphrey, J. D. Isok, F. A. Spane, J. E. Szecsody, S. S. Teel, V. R. Vermeul, M. D. Williams, and S. B. Yabusaki. 1996. *In Situ Redox Manipulation Field Injection Test Report - Hanford 100-H Area*. PNNL-11372, Pacific Northwest National Laboratory, Richland, Washington.

Fruland, R. M., R. A. Hagen, C. S. Cline, D. J. Bates, J. C. Evans, and R. L. Aaberg. 1989. *Interim Site Characterization Report and Ground Water Monitoring Program for the Hanford Site Solid Waste Landfill*. PNL-6823, Pacific Northwest Laboratory, Richland, Washington.

Gamerdinger, A. P., D. I. Kaplan, and C. T. Resch. 1998. *Uranium (VI) Sorption and Transport in Unsaturated, Subsurface Hanford Sediments: Effect of Moisture Content and Sediment Texture*. PNNL-11975, Pacific Northwest National Laboratory, Richland, Washington.

Gaylord, D. R., and E. P. Poeter. 1991. *Geology and Hydrology of the 300 Area and Vicinity, Hanford Site, South Central Washington*. WHC-EP-0500, Westinghouse Hanford Company, Richland, Washington.

Gee, G. W. 1987. *Recharge at the Hanford Site: Status Report*. PNL-6403, Pacific Northwest Laboratory, Richland, Washington.

Gee, G. W. 1991. *Tracking the Movement of Contaminants into Groundwater*. Geophysics News, pp. 14-15. American Geophysical Union. Washington, D.C.

Gee, G. W., and R. R. Kirkham. 1984. *Arid Site Water Balance: Evapotranspiration Modeling and Measurements*. PNL-5177, Pacific Northwest Laboratory, Richland, Washington.

Gee, G. W., and P. R. Heller. 1985. *Unsaturated Water Flow at the Hanford Site: A Review of Literature and Annotated Bibliography*. PNL-5428, Pacific Northwest Laboratory, Richland, Washington.

Gee, G. W., M. J. Fayer, M. L. Rockhold, and M. D. Campbell. 1992. "Variations in Recharge at the Hanford Site." *Northwest Sci*. 66:237-250.

Gee, G. W., A. L. Ward, B. G. Gilmore, S. O. Link, G. W. Dennis, and T. K. O'Neil. 1996. *Hanford Protective Barrier Status Report. FY 1996*. PNNL-11367, Pacific Northwest National Laboratory, Richland, Washington.

Geist, D. R., T. M. Poston, and D. D. Dauble. 1994. *Assessment of Potential Impacts of Major Ground-water Contaminants to Fall Chinook Salmon (Oncorhynchus tshawytscha) in the Hanford Reach, Columbia River*. PNL-9990, Pacific Northwest Laboratory, Richland, Washington.

General Accounting Office. 1998. *Understanding of Waste Migration at the Hanford Site is Inadequate for Key Decisions*. GAO/RCED-98-80, Report to Congressional Requesters, Washington, D.C.

General Electric Company. 1963. "Volume 3: Description of the 100-B, 100-C, 100-D, 100-DR, 100-F, and 100-H Production Reactor Plants," *Hazards Summary Report*. HW-74094, Hanford Atomics Products Division, Richland, Washington.

Geomatrix Consultants. 1996. *Probabilistic Seismic Hazard Analysis, DOE Hanford Site, Washington*. WHC-SD-W236A-TI-002, Rev. 1, prepared for Westinghouse Hanford Company, Richland, Washington.

Gephart, R. E., R. C. Arnett, R. G. Baca, L. S. Leonhart, and F. A. Spane, Jr. 1979. *Hydrologic Studies within the Columbia Plateau, Washington: An Integration of Current Knowledge*. RHO-BWI-ST-5, Rockwell Hanford Operations, Richland, Washington.

Gephart, R. E., F. A. Spane, L. S. Leonhart, D. A. Palombo, and S. R. Strait. 1979. "Pasco Basin Hydrology." In: *Hydrologic Studies Within the Columbia Plateau, Washington: An Integration of Current Knowledge*. RHO-BWI-ST-5, Rockwell Hanford Operations, Richland, Washington.

Gerber, M. S. 1993. *Manhattan Project Buildings and Facilities at the Hanford Site: A Construction History*. WHC-MR-0425, Westinghouse Hanford Company, Richland, Washington.

Gilmore, T. J. 1989. *The Installation of the Multiport Ground-Water Sampling System in the 3000 Area*. PNL-6910, Pacific Northwest Laboratory, Richland, Washington.

Gilmore, T. J, J. V. Borghese, J. P. McDonald, and D. R. Newcomer. 1990. "Effects of River Stage Fluctuations on an Unconfined Aquifer Beneath Waste-Water Disposal Facilities." *Ground-Water* 28(5):793-794.

Gilmore, T. J, J. V. Borghese, J. P. McDonald, and D. R. Newcomer. 1990. *Evaluations of the Effects of the Columbia River on the Unconfined Aquifer Beneath the 1301-N Liquid Waste Disposal Facility*. PNL-7341, Pacific Northwest Laboratory, Richland, Washington.

Gilmore, T. J, J. V. Borghese, and D. R. Newcomer. 1991. *Evaluations of the Effects of the Columbia River on the Unconfined Aquifer Beneath the 100-N Area*. PNL-7646, Pacific Northwest Laboratory, Richland, Washington.

Gilmore, T. J, J. V. Borghese, and D. R. Newcomer. 1993. "Effects of River Stage and Waste Water Discharges on the Unconfined Aquifer, Hanford, Washington." *Ground Water Monitoring and Remediation* XIII(1).

Gilmore, T. J, D. R. Newcomer, S. K. Wurstner, and F. A. Spane. 1992. *Calculation of Groundwater Discharge to the Columbia River in the 100-N Area*. PNL-8057, Pacific Northwest Laboratory, Richland, Washington.

Gilmore, T. J, F. A. Spane, Jr., D. R. Newcomer, and C. R. Sherwood. 1992. *Applications of Three Aquifer Test Methods for Estimating Hydraulic Properties Within the 100-N Area*. PNL-8335, Pacific Northwest Laboratory, Richland, Washington.

Gleckler, B. P. 1995. *Environmental Releases for Calendar Year 1994*. WHC-EP-0527-04, Westinghouse Hanford Company, Richland, Washington.

Goodwin, S. M. 1990. *200-East and 200-West Areas Low-Level Burial Grounds Borehole Summary Report*. WHC-MR-0204, Westinghouse Hanford Company, Richland, Washington.

Goodwin, S. M. 1990. *Borehole Completion Data Package for the 216-B-63 Trench--1990*.

WHC-MR-0207, Westinghouse Hanford Company, Richland, Washington.

Goodwin, S. M. 1990. *Borehole Completion Data Package for the 216-U-12 Crib*. WHC-MR-0208, Westinghouse Hanford Company, Richland, Washington.

Graham, M. J., G. V. Last, and K. R. Fecht. 1984. *An Assessment of Aquifer Intercommunication in the B Pond-Gable Mountain Pond Area of the Hanford Site*. RHO-RE-ST-12 P, Rockwell Hanford Operations, Richland, Washington.

Graham, M. J., M. D. Hall, S. R. Strait, and W. R. Brown. 1981. *Hydrology of the Separations Area*. RHO-ST-42, Rockwell Hanford Operations, Richland, Washington.

Gutknecht, P. J., W. A. Rice, C. R. Cole, and M. D. Freshley. 1980. *Pasco Basin Hydrometeorological Study*. PNL-3855, prepared for Rockwell Hanford Operations (RHO-BWI-C-98) by Pacific Northwest Laboratory, Richland, Washington.

Hall, S. H. 1989. *Evaluations of the Ground-Water Contaminant Plume Extending from the 183-H Solar Evaporation Basins*. PNL-7130, Pacific Northwest Laboratory, Richland, Washington.

Hall, S. H. 1990. "Resolving Superimposed Ground-Water Contaminant Plumes Characterized by Chromium, Nitrate, Uranium, and Technetium-99." In: *Proceedings, Ground-Water Geochemistry, February 20-22, 1990*, Kansas, Missouri. National Well Water Association, Dublin, Ohio.

Haney, W. A. 1957. *Disposal of High Cobalt-60 Scavenged Wastes*. HW-48862, Hanford Atomic Products Operation, Richland, Washington.

Haney, W. A., D. J. Brown, and A. E. Reisenauer. 1962. *Fission Product Tritium in Separations Wastes and in the Ground Water*. HW-74536, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Hartman, M. J. (ed.). 1999. *Hanford Site Groundwater: Settings, Sources, and Methods*. PNNL-13080, Pacific Northwest National Laboratory, Richland, Washington.

Hartman, M. J. 1990. *Interim Hydrogeologic Characterization Report for the 216-B-3 Pond*. WHC-SD-EN-EV-002, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1992. *Borehole Completion Data Package, 100-D Ponds Wells: CY 1992*. WHC-SD-EN-DP-043, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1992. *Borehole Completion Data Package for Wells 199-N-71, 199-N-72, 199-N-73, and 199-N-74*. WHC-SD-EN-DP-040, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1993. *Borehole Completion Data Package for Wells 199-N-75, 199-N-76, and 199-N-77*. WHC-SD-EN-DP-056, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1993. *Borehole Completion Data Package for Wells 199-N-75, 199-N-76, and 199-N-77*. WHC-SD-EN-DP-056, Rev. 0-A, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J. 1994. *Borehole Completion Data Package for Well 199-N-81*. WHC-SD-EN-DP-082, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J., and K. A. Lindsey. 1993. *Hydrogeology of the 100-N Area, Hanford Site, Washington*.

WHC-SD-EN-EV-027, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J., and R. E. Peterson. 1992. *Hydrologic Information Summary for the Northern Hanford Site*. WHC-SD-EN-TI-023, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Hartman, M. J., P. E. Dresel, J. P. McDonald, R. B. Mercer, D. R. Newcomer, and E. C. Thornton. 1998. *Integrated Monitoring Plan for the Hanford Groundwater Monitoring Project*. PNNL-11989, Pacific Northwest National Laboratory, Richland, Washington.

Hodges, F. N. 1993. *Borehole Completion Data Package for Non-radioactive Dangerous Waste Landfill Facility Monitoring Wells 699-25-34D and 699-26-34B*. WHC-SD-EN-DP-055, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Hoitink, D. J., K. W. Burk, and J. V. Ramsdell. 1999. *Hanford Site Climatological Data Summary 1998 With Historical Data*. PNNL-12087, Pacific Northwest National Laboratory, Richland, Washington.

Honstead, J. F., M. W. McConiga, and J. R. Raymond. 1955. *Gable Mountain Groundwater Tests*. HW-34532, General Electric Company, Richland, Washington.

Hoover, J. D., and T. LeGore. 1991. *Characterization and Use of Soil and Groundwater Background for the Hanford Site*. WHC-MR-0246, Westinghouse Hanford Company, Richland, Washington.

Hope, S. J. 1996. *1907-DR Process Sewer Outfall Site Soil Characterization*. BHI-00860, Rev. 0, prepared by CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

Hope, S. J., and R. E. Peterson. 1996. *Pore Water Chromium Concentrations at 100-H Reactor Area Adjacent to Fall Chinook Salmon Spawning Habitat of the Hanford Reach, Columbia River*. BHI-00345, Rev. 1, prepared by CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

Hope, S. J., and R. E. Peterson. 1996. *Chromium in River Substrate Pore Water and Adjacent Ground-water: 100-D/DR Area, Hanford Site, Washington*. BHI-00778, Rev. 0, prepared by CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

Horton, D. G. 1999. *Monitoring Plan for Fiscal Year 1999 Borehole Logging at 200 East Area Specific Retention Facilities*. PNNL-12222, Pacific Northwest National Laboratory, Richland, Washington.

Horton, D. G., and F. N. Hodges. 1999. *Borehole Data Package for 1998 Wells Installed at Single-Shell Tank Waste Management Area T*. PNNL-12125, Pacific Northwest National Laboratory, Richland, Washington.

Horton, D. G., and R. R. Randall. 1998. *Results of 1998 Spectral Gamma-Ray Monitoring of Boreholes at the 216-Z-1A Tile Field, 216-Z-9 Trench, and 216-Z-12 Crib*. PNNL-11978, Pacific Northwest National Laboratory, Richland, Washington.

Horton, D. G., and R. R. Randall. 1999. *Results of 1999 Spectral Gamma-Ray and Neutron Moisture Monitoring of Boreholes at Specific Retention Facilities in the 200 East Area, Hanford Site*. PNNL-13077, Pacific Northwest National Laboratory, Richland, Washington.

Horton, D.G., S. P. Reidel, and G. V. Last. 1999. *Monitoring Guidance for Vadose Zone Monitoring of Liquid Waste Disposal Facilities for the Hanford Groundwater Project*. PNNL-11958, Rev. 2, Pacific Northwest National Laboratory, Richland, Washington.

Hunter, C. R., and A. J. Busacca. 1990. *Feasibility Study of Modeling Pedogenic Carbonates in Soils and Sediments at the U.S. Department of Energy's Hanford Site*. PNL-7413, Pacific Northwest Laboratory, Richland, Washington.

ICF Northwest. 1987. *Hydrogeologic Study of North Richland Well Field and Ground-Water Recharge Basins*. Prepared for the City of Richland, Richland, Washington.

Jackson, R. L., C. M. Einberger, R. B. Mercer, and C. R. Wilson. 1991. *Efficiency-Based Groundwater Monitoring Network Design for Hazardous-Waste Sites*. WHC-SA-1157-FP, Westinghouse Hanford Company, Richland, Washington.

Jacobson, E. A., and M. D. Freshley. 1990. *An Initial Inverse Calibration of the Ground-Water Flow Model for the Hanford Unconfined Aquifer*. PNL-7144, Pacific Northwest Laboratory, Richland, Washington.

Jacques, I. D., and R. D. Kerkow. 1993. *Nonradioactive Dangerous Waste Landfill Soil-Gas Survey: Final Data Report*. WHC-SD-EN-TI-199, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Jenkins, O. P. 1922. *Underground Water Supply of the Region About White Bluffs and Hanford*. Bulletin No. 26, State of Washington Department of Conservation and Development, Division of Geology, Olympia, Washington.

Jensen, E. J. 1987. *An Evaluation of Aquifer Intercommunication Between the Unconfined and Rattlesnake Ridge Aquifers on the Hanford Site*. PNL-6313, Pacific Northwest Laboratory, Richland, Washington.

Johnson, V. G. 1993. *Westinghouse Hanford Company Operational Groundwater Status Report, 1990-1992*. WHC-EP-0595, Westinghouse Hanford Company, Richland, Washington.

Johnson, V. G. 1993. *Groundwater Impact Assessment Report for 216-Z-20 Crib, 200 West Area*. WHC-EP-0674, Westinghouse Hanford Company, Richland, Washington.

Johnson, V. G., and F. N. Hodges. 1997. "Mobile Transuranics: A Hanford Site Case History." Presented at *The 2nd Symposium on the Hydrogeology of Washington State*. *Abstracts, August 25, 26, & 27th, 1997, The Evergreen State College*. State of Washington Department of Ecology, Olympia, Washington.

Johnson, V. G., C. J. Chou, and F. N. Hodges. 1994. *Some Statistical Aspects of Background Based Groundwater Standards at an Arid Hazardous Waste Site*. Poster demonstration at *Nuclear Materials Management, 35th Annual Meeting, Naples, Florida, July 17-20, 1994*. Published in Volume XXIII, Institute of Nuclear Materials Management, Northbrook, Illinois. Also known as WHC-SA-2358-FP, Westinghouse Hanford Company, Richland, Washington.

Johnson, V. G., D. L. Graham, and S. P. Reidel. 1993. "Methane in Columbia River Basalt Aquifers: Isotopic and Geohydrologic Evidence for a Deep Coal-Bed Gas Source in the Columbia Basin, Washington." *Bulletin of the American Association of Petroleum Geologists* 77(7):1192-1207.

Johnson, V. G., T. E. Jones, S. P. Reidel, and M. I. Wood. 1999. *Subsurface Physical Conditions Description of the S-SX Waste Management Area*. HNF-4936, Rev. 0, prepared for Lockheed Martin Hanford Corporation, Richland, Washington.

Johnson, V. M., K. A. Lindsey, R. J. Serne, R. S. Edrington, and T. H. Mitchell. 1995. *N-Springs Barrier Wall Drilling Program Data Package*. BHI-00135, Rev. 1, Bechtel Hanford, Inc., Richland, Washington.

Johnson, V. M., M. Mehlhorn, D. A. Myers, and L. D. Walker. 1996. *Well Summary Report: 100-HR-3 and 100-KR-4 Interim Remedial Action Wells*. BHI-00953, Rev. 0, prepared by CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

Kaplan, D. I., K. E. Parker, and I. V. Kutynakov. 1998. *Radionuclide Distribution Coefficients for Sediments Collected from Borehole 299-E17-21: Final Report for Subtask 1a*. PNNL-11966, Pacific Northwest National Laboratory, Richland, Washington.

Kasper, R. B. 1982. *216-Z-12 Transuranic Crib Characterization: Operational History and Distribution of Plutonium and Americium*. RHO-ST-44, Rockwell Hanford Operations, Richland, Washington.

Kasza, G. L. 1992. *Borehole Completion Data Package for the 216-A-29 Ditch: CY 1991*. WHC-SD-EN-DP-047, Westinghouse Hanford Company, Richland, Washington.

Kasza, G. L. 1993. *Borehole Completion Data Package for 216-A-29 RCRA Facility Monitoring Wells 299-E25-47 and 299-E25-48*. WHC-SD-EN-DP-054, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Khaleel, R., and E. J. Freeman. 1995. *Variability and Scaling of Hydraulic Properties for 200 Area Soils, Hanford Site*. WHC-EP-0883, Westinghouse Hanford Company, Richland, Washington.

Kincaid,C. T., M. P. Bergeron, C. R. Cole, M. D. Freshley, N. L. Hassig, V. G. Johnson, D. I. Kaplan, R. J. Serne, G. P. Streile, D. L. Strenge, P. D. Thorne, L. W. Vail, G. A. Whyatt, and S. K. Wurstner. 1998. *Composite Analysis for Low-Level Waste Disposal in the 200 Areas Plateau of the Hanford Site*. PNNL-11800, Pacific Northwest National Laboratory, Richland, Washington.

Kipp, K. L., and R. D. Mudd. 1973. *Collection and Analysis of Pump Test Data for Transmissivity Values*. BNWL-1709, Pacific Northwest Laboratory, Richland, Washington.

Krupka, K. M., and R. J. Serne. 1995. *Performance Assessment of Low-Level Radioactive Waste Disposal Facilities: Effects on Radionuclide Concentrations by Cement/Ground-Water Interactions*. NUREG/CR-6377, U.S. Nuclear Regulatory Commission, Washington, D.C.

Kupfer, M. J., A. L. Boldt, B. A. Higley, K. M. Hodgson, L. W. Shelton, B. C. Simpson, R. A. Watrous, M. D. LeClair, G. L. Borsheim, R. T. Winward, R. M. Orme, N. G. Colton, S. L. Lambert, D. E. Place, and W. W. Schulz. 1997. *Standard Inventories of Chemicals and Radionuclides in Hanford Site Tank Wastes*. HNF-SD-WM-TI-740, Fluor Daniel Hanford, Inc., Richland, Washington.

Last, G. V., and V. J. Rohay. 1991. *Carbon Tetrachloride Contamination, 200 West Area, Hanford Site*. PNL-SA-19564, Pacific Northwest Laboratory, Richland, Washington.

Last, G. V., and V. J. Rohay. 1993. *Refined Conceptual Model for the Volatile Organic Compounds-Arid Integrated Demonstration and 200 West Area Carbon Tetrachloride Expedited Response Action*. PNL-8597, Pacific Northwest Laboratory, Richland, Washington.

Last, G. V., B. N. Bjornstad, M. P. Bergeron, D. W. Wallace, D. R. Newcomer, J. A. Schramke, M. A. Chamness, C. S. Cline, S. P. Airhart, and J. S. Wilbur. 1989. *Hydrogeology of the 200 Areas Low-Level Burial Grounds - An Interim Report*. PNL-6820, 2 Volumes, Pacific Northwest Laboratory,

Richland, Washington.

Laul, J. C., M. R. Smith, V. G. Johnson, and R. M. Smith. 1985. "Disequilibrium of Natural Radionuclides in Hanford Site Groundwater." In: *High-Level Nuclear Waste Disposal*, H. C. Burkholder (ed.), pp. 401-410. Battelle Press, Richland, Washington.

Lerch, J. A. 1998. *100-D Area Chromium Study Report*. BHI-01185, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Liikala, T. L. 1994. *Hydrogeology Along the Southern Boundary of the Hanford Site Between the Yakima and Columbia Rivers, Washington*. PNL-10094, Pacific Northwest Laboratory, Richland, Washington.

Liikala, T. L., D. S. Daly, and A. P. Toste. 1988. *An Evaluation of the Effects of Well Construction Materials and Ground-Water Sampling Equipment on Concentrations of Volatile Organic Compounds*. PNL-6585, Pacific Northwest Laboratory, Richland, Washington.

Liikala, T. L., R. L. Aaberg, N. J. Aimo, D. J. Bates, T. J. Gilmore, E. J. Jensen, G. V. Last, P. L. Oberlander, K. B. Olsen, K. R. Oster, L. R. Roome, J. C. Simpson, S. S. Teel, and E. J. Westergard. 1988. *Geohydrologic Characterization of the Area Surrounding the 183-H Solar Evaporation Basins*. PNL-6728, Pacific Northwest Laboratory, Richland, Washington.

Lindberg, J. W. 1993. *Geology of the 100-B/C Area, Hanford Site, South-Central Washington*. WHC-SD-EN-TI-133, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Lindberg, J. W. 1993. *Geology of the 100-K Area, Hanford Site, South-Central Washington*. WHC-SD-EN-TI-155, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Lindberg, J. W. 1995. *Hydrogeology of the 100-K Area, Hanford Site, South-Central Washington*. WHC-SD-EN-TI-294, Westinghouse Hanford Company, Richland, Washington.

Lindberg, J. W., and F. W. Bond. 1979. *Geohydrology and Ground-Water Quality Beneath the 300 Area, Hanford Site, Washington*. PNL-2949, Pacific Northwest Laboratory, Richland, Washington.

Lindberg, J. W., J. V. Borghese, B. N. Bjornstad, and M. P. Connelly. 1993. *Geology and Aquifer Characteristics of the Grout Treatment Facility*. WHC-SD-EN-TI-071, Westinghouse Hanford Company, Richland, Washington.

Lindberg, J. W., B. A. Williams, and F. A. Spane. 1997. *Borehole Data Package for Well 699-37-47A, PUREX Plant Cribs, CY 1996*. PNNL-11515, Pacific Northwest National Laboratory, Richland, Washington.

Lindsey, K. A. 1991. *Revised Stratigraphy for the Ringold Formation, Hanford Site, South-Central Washington*. WHC-SD-EN-EE-004, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Lindsey, K. A. 1992. *Geology of the Northern Part of the Hanford Site: An Outline of Data Sources and the Geologic Setting of the 100 Areas*. WHC-SD-EN-TI-011, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Lindsey, K. A. 1995. *Miocene- to Pliocene-Aged Suprabasalt Sediments of the Hanford Site, South-Central Washington*. BHI-00184, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Lindsey, K. A., B. N. Bjornstad, J. W. Lindberg, and K. M. Hoffman. 1992. *Geologic Setting of the 200 East Area: An Update*. WHC-SD-EN-TI-012, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Lindsey, K. A., M. P. Connelly, and B. N. Bjornstad. 1991. *Geologic Setting of the 200 West Area: An Update*. WHC-SD-EN-TI-008, Rev. 0, Richland, Washington.

Lindsey, K. A., and G. K. Jaeger. 1993. *Geologic Setting of the 100-HR-3 Operable Unit, Hanford Site, South-Central Washington*. WHC-SD-EN-TI-132, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Lindsey, K. A., J. L. Slate, G. K. Jaeger, K. J. Swett, and R. B. Mercer. 1994. *Geologic Setting of the Low-Level Burial Grounds*. WHC-SD-EN-TI-290, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Lockheed Martin Hanford Corporation. 1999. *Preliminary Site-Specific SST Phase 1 RFI/CMS Work Plan Addendum for WMA S-SX*. HNF-4380, Rev. 1, prepared for the U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Lockheed Martin Hanford Corporation. 1999. *Site-Specific SST Phase I RFI/CMS Work Plan Addendum for WMA S-SX*. HNF-5058, Rev. 0, prepared for the U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Ludowise, J. D. 1978. *Report on Plutonium Mining Activities at 216-Z-9 Enclosed Trench*. RHO-ST-21, Rockwell Hanford Operations, Richland, Washington.

Ludowise, J. D. 1998. *Data Summary Report for 116-N-1 and 116-N-3 Facility Soil Sampling to Support Remedial Design*. BHI-01271, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Luttrell, S. P., D. R. Newcomer, S. S. Teel, and V. R. Vermeul. 1992. *Hydrogeologic Controls on Ground-Water and Contaminant Discharge to the Columbia River in the Hanford Townsite Vicinity*. PNL-8167, Pacific Northwest Laboratory, Richland, Washington.

Mann, F. M., R. J. Puigh, II, P. D. Rittmann, N. W. Kline, J. A. Voogd, Y. Chen, C. R. Eiholzer, C. T. Kincaid, B. P. McGrail, A. H. Lu, G. F. Williamson, N. R. Grown, and P. E. LaMont. 1998. *Hanford Immobilized Low-Activity Tank Waste Performance Assessment*. DOE/RL-97-69, U.S. Department of Energy, Richland Operations, Richland, Washington.

Maxfield, H. L. 1979. *Handbook 200 Areas Waste Sites. Vols. 1 and 3*. RHO-CD-673, Rockwell Hanford Operations, Richland, Washington.

McCormack, W. D., and J. M. V. Carlile. 1984. *Investigation of Ground-Water Seepage from the Hanford Shoreline of the Columbia River*. PNL-5289, Pacific Northwest Laboratory, Richland, Washington.

McDonald, J. P., M. A. Chamness, and D. R. Newcomer. 1999. *Water-Level Monitoring Plan for the Hanford Groundwater Monitoring Project*. PNNL-13021, Pacific Northwest National Laboratory, Richland, Washington.

McGhan, V. L. 1989. *Hanford Wells*. PNL-6907, Pacific Northwest Laboratory, Richland, Washington.

McMahon, W. J., and R. E. Peterson. 1992. *Estimating Aquifer Hydraulic Properties Using the Ferris*

Method, Hanford Site, Washington. DOE/RL-92-64, Rev. 0, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Mercer, R. B. 1993. *1991 Borehole Completion Data Package for the Low-Level Burial Grounds*. WHC-SD-EN-DP-044, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Mercer, R. B. 1993. *1992 Borehole Completion Data Package for the Low-Level Burial Grounds*. WHC-SD-EN-DP-049, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Mercer, R. B. 1994. *1993 Borehole Completion Data Package for the Low-Level Burial Grounds*. WHC-SD-EN-DP-086, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Meyer, P. D. 1993. *A Quantitative Method for Ground-Water Surveillance Monitoring Network Design at the Hanford Site*. PNL-8868, Pacific Northwest Laboratory, Richland, Washington.

Mitchell, P. J., R. S. Argo, S. L. Bradymire, and C. A. Newbill. 1985. *Hanford Ground-Water Data Base Management Guide and User's Manual*. PNL-5486, Pacific Northwest Laboratory, Richland, Washington.

Mitchell, T. H., K. A. Bergstrom, and D. J. Hoff. 1993. *Geophysical Investigation of the Nonradioactive Dangerous Waste Landfill*. WHC-SD-EN-TI-116, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Myers, C. W./S. M. Price, J. A. Caggiano, M. P. Cochran, W. J. Czimer, N. J. Davidson, R. C. Edwards, K. R. Fecht, G. E. Holmes, M. G. Jones, J. R. Kunk, R. D. Landon, R. K. Ledgerwood, J. T. Lillie, P. E. Long, T. H. Mitchell, E. H. Price, S. P. Reidel, and A. M. Tallman. 1979. *Geologic Studies of the Columbia Plateau: A Status Report*. RHO-BWI-ST-4, Rockwell Hanford Operations, Richland, Washington.

Myers, C. W. and S. M. Price (eds.). 1981. *Subsurface Geology of the Cold Creek Syncline*. RHO-BWI-ST-14, Rockwell Hanford Operations, Richland, Washington.

Myers, D. A., D. L. Parker, G. W. Gee, V. G. Johnson, G. V. Last, R. J. Serne, and D. J. Moak. 1998. *Findings of the Extension of Borehole 41-09-39, 241-SX Tank Farm*. HNF-2855, MACTEC-ERS, Pacific Northwest National Laboratory, and Waste Management Northwest for Lockheed Martin Hanford Corporation, Richland, Washington.

Narbutovskih, S. M. 1995. *Electrical Resistivity Tomography and Seismic Tomography for Early Vadose Leak Detection*. WHC-SD-EN-TP-053, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Narbutovskih, S. M. 1996. *Electrical Resistivity Tomography for Early Vadose Leak Detection Under Single-Shell Tanks*. WHC-SD-EN-TP-056, Westinghouse Hanford Company, Richland, Washington.

Narbutovskih, S. M., D. F. Iwatate, M. D. Sweeney, A. L. Ramirez, W. Daily, R. M. Morey, and L. Christensen. 1996. *Feasibility of CPT-Deployed Vertical Electrode Array in Single Shell Tank Farms*. WHC-SD-EN-TA-004, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Narbutovskih, S. M., W. Daily, A. L. Ramirez, T. D. Halter, and M. D. Sweeney. 1996. "Electrical Resistivity Tomography at the DOE Hanford Site." In: *Proceedings of the Symposium of the Application of Geophysics to Engineering and Environmental Problems*. Keystone, Colorado, pp. 773-782; also WHC-SA-3035-FP, Westinghouse Hanford Company, Richland, Washington.

Newcomb, R. C. 1958. "Ringold Formation of the Pleistocene Age in the Type Locality, The White Bluffs, Washington." *American Journal of Science* 256:328-340.

Newcomb, R. C., and S. G. Brown. 1961. *Evaluation of Bank Storage Along the Columbia River Between Richland and China Bar, Washington*. Geological Water-Supply Paper 1539-I, U.S. Geological Survey, Washington, D.C.

Newcomb, R. C., and J. R. Strand. 1953. *Geology and Ground-Water Characteristics of the Hanford Reservation of the Atomic Energy Commission, Washington: U.S. Geological Survey*. Working Paper 8, U.S. Geological Survey, Washington, D.C.

Newcomb, R. C., J. R. Strand, and F. J. Frank. 1972. *Geology and Ground-Water Characteristics of the Hanford Reservation of the U.S. Atomic Energy Commission, Washington*. Professional Paper 717, U.S. Geological Survey, Washington, D.C.

Newcomer, D. R., J. V. Borghese, and W. E. Cronin. 1990. *Hydrologic Testing at the Single-Shell Tanks, 1989*. WHC-SD-EN-TI-147, Rev. 0, An Informal Report by Pacific Northwest Laboratory, released on April 9, 1993 by Westinghouse Hanford Company, Richland, Washington.

Newcomer, D. R., L. A. Doremus, S. H. Hall, M. J. Truex, V. R. Vermeul, and R. E. Engelman. 1995. *Geology, Hydrology, Chemistry, and Microbiology of the In Situ Bioremediation Demonstration Site*. PNL-10422, Pacific Northwest Laboratory, Richland, Washington.

Newcomer, D. R., M. A. Chamness, D. L. McAlister, R. J. Brockman, A. W. Pearson, and S. S. Teel. 1992. *Unconfined Aquifer Hydrologic Test Data Package for the 200 East Area*. WHC-SD-EN-DP-030, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Nielsen, J. M., and R. W. Perkins. 1957. *The Depletion of Radioisotopes from the Columbia River by Natural Causes*. HW-52908, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Pacific Northwest Laboratory. 1986. *Environmental Monitoring Procedures*. PNL-MA-580, Richland, Washington.

Pacific Northwest Laboratory. 1989. *Procedures for Ground-Water Investigations*. PNL-6894, Richland, Washington.

Pacific Northwest Laboratory. 1990. *Hanford Ground-Water Data Base Management Guide*. PNL-7003, Richland, Washington.

Parker, H. M. 1959. *Hearings Before the Special Subcommittee on Radiation of the Joint Committee on Atomic Energy Congress of the United States Eighty-Sixth Congress First Session on Industrial Radioactive Waste Disposal*. January 28-February 3, 1959, Vol. 1, pp. 202-235, 330-391.

Pearson, A. W. 1990. *Borehole Summary Report for Twelve Single-Shell Tank Wells Installed in 1989*. WHC-MR-0209, Westinghouse Hanford Company, Richland, Washington.

Peterson, R. E. 1992. *Hydrologic and Geologic Data Available for the Region North of Gable Mountain, Hanford Site, Washington*. WHC-SD-EN-TI-006, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Peterson, R. E. 1997. "Columbia River Influence on Groundwater, Hanford Site, Washington." Presented at the *2nd Symposium on the Hydrogeology of Washington State, August 25-27, 1997, The Evergreen State College, Olympia, Washington*. Washington State Department of Ecology, Washington Hydrologic Society, U.S. Geological Survey, and Washington State Department of Natural Resources, Olympia, Washington.

Peterson, R. E., and M. P. Connelly. 1992. "Characterization of Chromium Plume in Groundwater Along the Columbia River Shoreline, Hanford Site, Washington." Abs. *EOS, Transactions of the American Geophysical Union* 73(43):225; presented at the 1992 Fall Meeting, American Geophysical Union, San Francisco, California, December 7-11, 1992; also WHC-SA-1674-VA, Westinghouse Hanford Company, Richland, Washington.

Peterson, R. E., and V. G. Johnson. 1992. *Riverbank Seepage of Groundwater Along the 100 Areas Shoreline, Hanford Site*. WHC-EP-0609, Westinghouse Hanford Company, Richland, Washington.

Peterson, R. E., and T. M. Poston. 2000. *Hanford-Derived Strontium-90 Contamination and its Potential for Ecological Impacts*. PNNL-13177, Pacific Northwest National Laboratory, Richland, Washington.

Peterson, R. E., K. L. Singleton, and J. V. Borghese. 1997. *Description of Work for Installing Aquifer Sampling Tubes Along the 100 Area and Hanford Townsite Shorelines.* BHI-01090, CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

Peterson, R. E., J. V. Borghese, and D. B. Erb. 1998. *Aquifer Sampling Tube Completion Report: 100 Area and Hanford Townsite Shorelines*. BHI-01153, CH2M Hill Hanford, Inc. for Bechtel Hanford, Inc., Richland, Washington.

Poeter, E., and D. R. Gaylord. 1990. "Influence of Aquifer Heterogeneity on Contaminant Transport at the Hanford Site." *Ground Water* 28:900-909.

Poston, T. M., K. R. Price, and D. R. Newcomer. 1991. *An Evaluation of the Chemical, Radiological, and Ecological Conditions of West Lake on the Hanford Site*. PNL-7662, Pacific Northwest Laboratory, Richland, Washington.

Price, R. K. 1995. *Vadose Zone Monitoring Plan Using Geophysical Nuclear Logging for Radionuclides Discharged to Hanford Liquid Waste Disposal Facilities*. WHC-SD-EN-AP-087, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Price, R. K., J. E. Meisner, and R. R. Randall. 1996. *Radionuclide Logging System In Situ Vadose Zone Moisture Measurement Calibration*. WHC-SD-EN-TI-306, Westinghouse Hanford Company, Richland, Washington.

Price, S. M., and L. L. Ames. 1976. "Characterization of Actinide-Bearing Sediments Underlying Liquid Waste Disposal Facilities at Hanford." In *Transuranium Nuclides in the Environment*, International Atomic Energy Agency, Vienna, Austria. Also known as ARH-SA-232, Atlantic Richfield Hanford Company, Richland, Washington.

Price, S. M., R. B. Kasper, M. K. Additon, R. M. Smith, and G. V. Last. 1979. *Distribution of Plutonium and Americium Beneath the 216-Z-1A Crib: Status Report*. RHO-ST-17, Rockwell Hanford Operations, Richland, Washington.

Price, W. H., and K. R. Fecht. 1976. *Geology of the 241-A Tank Farm*. ARH-LD-127, Atlantic

Richfield Hanford Company, Richland, Washington.

Price, W. H., and K. R. Fecht. 1976. *Geology of the 241-AX Tank Farm*. ARH-LD-128, Atlantic Richfield Hanford Company, Richland, Washington.

Price, W. H., and K. R. Fecht. 1976. *Geology of the 241-B Tank Farm*. ARH-LD-129, Atlantic Richfield Hanford Company, Richland, Washington.

Price, W. H., and K. R. Fecht. 1976. *Geology of the 241-BX Tank Farm*. ARH-LD-130, Atlantic Richfield Hanford Company, Richland, Washington.

Price, W. H., and K. R. Fecht. 1976. *Geology of the 241-BY Tank Farm*. ARH-LD-131, Atlantic Richfield Hanford Company, Richland, Washington.

Price, W. H., and K. R. Fecht. 1976. *Geology of the 241-C Tank Farm*. ARH-LD-132, Atlantic Richfield Hanford Company, Richland, Washington.

Puget Sound Power and Light Company. 1982. *Skagit/Hanford Nuclear Project, Preliminary Safety Analysis Report, Appendix 20, Amendment 23*. Bellevue, Washington.

Randall, R. R., and R. K. Price. 1998. *Monitoring Results for the SX Single Shell Tank Farm Dry Well Gamma Ray Surveillance Log Surveys*. WMNW/TRS-ES-VZMA-002, Waste Management Federal Services Inc., Northwest Operations, Richland, Washington.

Raymond, J. R., and D. J. Brown. 1963. *Ground Water Exchange with Fluctuating Rivers, Hanford Laboratories*. HW-SA-3198, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Raymond, J. R., and E. G. Shdo. 1966. *Characterization of Subsurface Contamination in the SX Tank Farm*. BNWL-CC-701, Battelle Northwest Laboratories, Richland, Washington.

Reidel, S. P., and E. C. Thornton. 1992. *Characterization Report, C-018H Disposal Siting Evaluation*. WHC-SD-C018H-RPT-001, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Reidel, S. P., K. A. Lindsey, and K. R. Fecht. 1992. *Field Trip Guide to the Hanford Site*. WHC-MR-0391, Westinghouse Hanford Company, Richland, Washington.

Reidel, S. P., and K. R. Fecht. 1994. *Geologic Map of the Richland 1:100,000 Quadrangle, Washington*. Open File Report 94-8, Washington Division of Geology and Earth Resources, Washington State Department of Natural Resources, Olympia, Washington.

Reidel, S. P., and K. R. Fecht. 1994. *Geologic Map of the Priest Rapids 1:100,000 Quadrangle, Washington*. Open File Report 94-13, Washington Division of Geology and Earth Resources, Washington State Department of Natural Resources, Olympia, Washington.

Reidel, S. P., K. D. Reynolds, and D. G. Horton. 1998. *Immobilized Low-Activity Waste Site Borehole 299-E17-21*. PNNL-11957, Pacific Northwest National Laboratory, Richland, Washington.

Rhoads, K., B. N. Bjornstad, R. E. Lewis, S. S. Teel K. J. Cantrell, R. J. Serne, J. L. Smoot, C. T. Kincaid, and S. K. Wurstner. 1993. *Estimation of the Release and Migration of Lead through Soils and Groundwater at the Hanford Site 218-E-12B Burial Ground*. PNL-8356, Vol. 1, Pacific Northwest Laboratory, Richland, Washington.

Rhoads, K., B. N. Bjornstad, R. E. Lewis, S. S. Teel, K. J. Cantrell, R. J. Serne, L. H. Sawyer, J. L. Smoot, J. E. Szecsody, M. S. Wigmosta, and S. K. Wurstner. 1994. *Estimation of the Release and Migration of Nickel Through Soils and Groundwater at the Hanford Site 218-E-12B Burial Ground*. PNL-9791, Pacific Northwest Laboratory, Richland, Washington.

Rickard, W. H., and K. R. Price. 1989. "Uptake of Tritiated Groundwater by Black Locust Trees." *Northwest Sci*. 63(3):87-89.

Ridgway, K. R., M. D. Veatch, and D. T. Crawley. 1971. *216-Z-9 Crib History and Safety Analysis*. ARH-2207, Atlantic Richfield Hanford Company, Richland, Washington.

Rieger, J. T., and R. W. Bryce. 1990. "Effective Sample Labeling," pp. 327-329. In: *Environmental Monitoring, Restoration and Assessment: What Have We Learned? Proceedings, 28th Hanford Symposium on Health and the Environment, October 16-19, 1989*. R. H. Gray (ed.), Richland, Washington. Battelle Press, Columbus, OH.

Rockhold, M. L., M. J. Fayer, G. W. Gee, and M. J. Kanyid. 1989. *Natural Groundwater Recharge and Soil-Water Balance at the Hanford Site*. PNL-7215, Pacific Northwest Laboratory, Richland, Washington.

Rockhold, M. L., M. J. Fayer, C. T. Kincaid, and G. W. Gee. 1995. *Estimation of Natural Ground Water Recharge for the Performance Assessment of a Low-Level Waste Disposal Facility at the Hanford Site*. PNL-10508, Pacific Northwest Laboratory, Richland, Washington.

Rohay, V. J. 1990. *Liquid Effluent Study Final Project Report*. WHC-EP-0367, Westinghouse Hanford Company, Richland, Washington.

Rohay, V. J. 1996. *Field Tests of Passive Soil Vapor Extraction Systems at the Hanford Site, Washington*. BHI-00766, Bechtel Hanford, Inc., Richland, Washington.

Rohay, V. J. 1997. *Conceptual Model for the Solid Waste Landfill*. BHI-01063, Bechtel Hanford, Inc., Richland, Washington.

Rohay, V. J. 1997. *Evaluation of the Soil-Gas Survey at the Nonradioactive Dangerous Waste Landfill*. BHI-01115, Bechtel Hanford, Inc., Richland, Washington.

Rohay, V. J. 1997. *Rebound Study Report for the Carbon Tetrachloride Soil Vapor Extraction Site, Fiscal Year 1997*. BHI-01105, Bechtel Hanford, Inc., Richland, Washington.

Rohay, V. J. 1998. *Performance Evaluation Report for Soil Vapor Extraction Operations at the Carbon Tetrachloride Site, February 1992 - September 1997*. BHI-00720, Rev. 2, Bechtel Hanford, Inc., Richland, Washington.

Rohay, V. J. 1999. *Performance Evaluation Report for Soil Vapor Extraction Operations at the Carbon Tetrachloride Site, February 1992 - September 1998*. BHI-00720, Rev. 3, Bechtel Hanford, Inc., Richland, Washington.

Rohay, V. J., and D. C. Weekes. 1998. *Borehole Summary Report for the 216-B-2-2 Ditch*. BHI-01177, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Rohay, V. J., G. V. Last, V. L. King, and L. A. Doremus. 1992. *FY92 Site Characterization Status*

Report and Data Package for the Carbon Tetrachloride Site. WHC-SD-EN-EI-063, Rev. 0, prepared by V. J. Rohay and V. L. King, Westinghouse Hanford Company, and G. V. Last and L. A. Doremus, Pacific Northwest Laboratory, for Westinghouse Hanford Company, Richland, Washington.

Rohay, V. J., D. C. Weekes, W. J. McMahon, and J. V. Borghese. 1999. *The Chromium Groundwater Plume West of the 100-D/DR Reactors: Summary and Fiscal Year 1999 Update.* BHI-01309, Rev 0, Bechtel Hanford, Inc., Richland, Washington.

Rust Geotech. 1995. *Vadose Zone Characterization Project at the Hanford Tank Farms, Calibration of Two Spectral Gamma-Ray Logging Systems for Baseline Characterization Measurements in the Hanford Tank Farms*. GJPO-HAN-1, Grand Junction Projects Office, U.S. Department of Energy, Grand Junction, Colorado.

Rust Geotech. 1995. *Vadose Zone Characterization Project at the Hanford Tank Farms, Project Management Plan*. P-GJPO-1780, Grand Junction Projects Office, U.S. Department of Energy, Grand Junction, Colorado.

Rust Geotech. 1995. *Vadose Zone Characterization Project at the Hanford Tank Farms, Spectral Gamma-Ray Borehole Geophysical Logging Characterization and Baseline Monitoring Plan for the Hanford Single-Shell Tanks*. P-GJPO-1786, Grand Junction Projects Office, U.S. Department of Energy, Grand Junction, Colorado.

Rust Geotech. 1996. *Vadose Zone Characterization Project at the Hanford Tank Farms, Biannual Recalibration of Two Spectral Gamma-Ray Logging Systems for Baseline Characterization Measurements in the Hanford Tank Farms*. GJPO-HAN-3, Grand Junction Projects Office, U.S. Department of Energy, Grand Junction, Colorado.

Schalla, R., R. W. Wallace, R. L. Aaberg, S. P. Airhart, D. J. Bates, J.V.M. Carlile, C. S. Cline, D. I. Dennison, M. D. Freshley, P. R. Heller, E. J. Jensen, K. B. Olsen, R. G. Parkhurst, J. T. Rieger, and E. J. Westergard. 1988. *Interim Characterization Report for the 300 Area Process Trenches*. PNL-6716, Pacific Northwest Laboratory, Richland, Washington.

Serne, R. J., and M. I. Wood. 1990. *Hanford Waste-Form Release and Sediment Interaction*. PNL-7297, Pacific Northwest Laboratory, Richland, Washington.

Serne, R. J., J. L. Conca, V. L. LeGore, K. J. Cantrell, C. W. Lindemeier, J. A. Campbell, J. E. Amonette, and M. I. Wood. 1993. *Solid-Waste Leach Characteristics and Contaminant-Sediment Interactions, Volume 1: Batch Leach and Adsorption Tests and Sediment Characterization*. PNL-8889, Pacific Northwest Laboratory, Richland, Washington.

Serne, R. J., A. R. Felmy, K. J. Cantrell, K. M. Krupka, J. A. Campbell, H. Bolton, Jr., and J. K. Fredrickson. 1996. *Characterization of Radionuclide-Chelating Agency Complexes Found in Low-Level Radioactive Decontamination Waste*. NUREG/CR-6124, U.S. Nuclear Regulatory Commission, Washington, D.C.

Serne, R. J., and V. L. LeGore. 1996. *Strontium-90 Adsorption-Desorption Properties and Sediment Characterization at 100-N Area*. PNL-10899, Pacific Northwest Laboratory, Richland, Washington.

Sherwood, D. R., J. R. Evans, and R. W. Bryce. 1990. "Identification of Contaminants of Concern in Hanford Ground Waters," pp. 51-59. In: *Environmental Monitoring, Restoration and Assessment: What Have We Learned? Proceedings, 28th Hanford Symposium on Health and the Environment, October 16-19, 1989*, R. H. Gray (ed.), Richland, Washington. Battelle Press, Columbus, Ohio.

Smith, A. E. 1973. *Nuclear Reactivity Evaluations of 216-Z-9 Enclosed Trench.* ARH-2915, Atlantic Richfield Hanford Company, Richland, Washington.

Smith, R. M. 1980. *216-B-5 Reverse Well Characterization Study*. RHO-ST-37, Rockwell Hanford Operations, Richland, Washington.

Smith, R. M., and R. B. Kasper. 1983. *Serviceability of Cribs Affected by PUREX Startup*. RHO-HS-EV-18, Rockwell Hanford Operations, Richland, Washington.

Smith, M. R., J. C. Laul, and V. G. Johnson. 1987. "Natural Radionuclides in Hanford Site Ground Waters." *Mater. Res. Soc. Symp. Proc*. 112:249-257.

Spane, Jr., F. A. 1987. *Fresh-Water Potentiometric Map and Interred Flow Direction of Ground Water Within the Mabton Interbed, Hanford Site, Washington State - January 1987*. SD-BWI-TI-335, Rockwell Hanford Operations, Richland, Washington.

Spane, Jr., F. A. 1992. *Applicability of Slug Interference Tests under Hanford Site Test Conditions: Analytical Assessment and Field Test Evaluation*. PNL-8070, Pacific Northwest Laboratory, Richland, Washington.

Spane, Jr., F. A. 1992. *Hydraulic Test Results for Savage Island Wells: 699-32-22B, 699-42-E9A, and 699-42-E9B*. PNL-8173, Pacific Northwest Laboratory, Richland, Washington.

Spane, Jr., F. A., and R. G. Raymond. 1993. *Preliminary Potentiometric Map and Flow Dynamic Characteristics for the Upper-Basalt Confined Aquifer System*. PNL-8869, Pacific Northwest Laboratory, Richland, Washington.

Spane, Jr., F. A., and P. D. Thorne. 1992. "An Evaluation of Slug Interference Tests for Aquifer Characterization at the Hanford Site," pp. 387-392. In: *Proceedings, Nuclear and Hazardous Waste Management, Spectrum 92, Vol. 1, August 23-27*, Boise, Idaho. American Nuclear Society, La Grange Park, Illinois.

Spane, Jr., F. A., and P. D. Thorne. 1995. *Comparison of Constant-Rate Pumping Test and Slug Interference Test Results at the B-Pond Multi-Level Test Facility, Hanford Site*. PNL-10835. Pacific Northwest Laboratory, Richland, Washington.

Spane, Jr., F. A., D. L. Graham, and R. W. Bryce. 1982. *Hydrochemical and Isotopic Content of Basalt Groundwaters Beneath the Hanford Site, Washington*. RHO-BW-SA-190, Rockwell Hanford Operations, Richland, Washington.

Spane, Jr., F. A., and V. R. Vermeul. 1994. *Summary and Evaluation of Hydraulic Property Data Available for the Hanford Site Upper Basalt Confined Aquifer System*. PNL-10158, Pacific Northwest Laboratory, Richland, Washington.

Spane, Jr., F. A., and W. D. Webber. 1995. *Hydrochemistry and Hydrogeologic Conditions Within the Hanford Upper Basalt Confined Aquifer System*. PNL-10817, Pacific Northwest Laboratory, Richland, Washington.

State of Washington Department of Ecology. 1995. *State Waste Discharge Permit (216 Permit) for the 200 Area Effluent Treatment Facility (ETF)*. Permit No. ST 4500, issued in compliance with the provisions of Chapter 90.48 RCW, as amended, and Chapter 173-216 WAC, as amended, Olympia,

Washington.

State of Washington Department of Ecology. 1995. *State Waste Discharge Permit (216 Permit) for the 200 Area Treated Effluent Disposal Facility (TEDF)*. Permit No. ST 4502, issued in compliance with the provisions of Chapter 90.48 RCW, as amended, and Chapter 173-216 WAC, as amended, Olympia, Washington.

State of Washington Department of Ecology. 1996. *State Waste Discharge Permit No. ST 4501 (400 Area Pond)*. Olympia, Washington.

State of Washington Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy. 1989. *Hanford Federal Facility Agreement and Consent Order Between the U.S. Environmental Protection Agency, the U.S. Department of Energy, and the State of Washington Department of Ecology, May 15, 1989*, as amended. Olympia, Seattle, and Richland, Washington.

Stenner, R. D., K. H. Cramer, K. A. Higley, S. J. Jette, D. A. Lamar, T. J. McLaughlin, D. R. Sherwood, and N. C. VanHouten. 1988. *Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford*. *Volume 1, Evaluation Method and Results*. PNL-6456, Pacific Northwest Laboratory, Richland, Washington.

Stordeur, R. T., and D. L. Flyckt. 1988. *1988 Annual Status Report of the Plan and Schedule to Discontinue Disposal of Contaminated Liquids into the Soil Column at the Hanford Site*. WHC-EP-0196-1, Westinghouse Hanford Company, Richland, Washington.

Strait, S. R., and B. A. Moore. 1982. *Geohydrology of the Rattlesnake Ridge Interbed in the Gable Mountain Pond Area*. RHO-ST-38, Rockwell Hanford Operations, Richland, Washington.

Strait, S. R., and R. B. Mercer. 1987. *Hydrologic Property Data from Selected Test Zones on the Hanford Site*. SD-BWI-DP-051, Rev. 2, Rockwell Hanford Operations, Richland, Washington.

Stromswold, D. C. 1994. *Calibration Facilities at Hanford for Gamma-Ray and Fission-Neutron Well Logging*. PNL-9958, Pacific Northwest Laboratory, Richland, Washington.

Summers, W. K., and G. Schwab. 1980. *Hydrology and Isotopic Analyses of Water in a Recharge Area, Eastern Washington*. (Abstract) RHO-BWI-SA-71 A, Rockwell Hanford Operations, Richland, Washington.

Swanson, D. A., J. L. Anderson, R. D. Bentley, V. E. Camp, J. N. Gardner, and T. L. Wright. 1979. *Reconnaissance Geologic Map of the Columbia River Basalt Group in Washington and Adjacent Idaho*. Open-File Report 79-1363, U.S. Geological Survey, Washington, D.C.

Swanson, L. C. 1992. *Borehole Completion Data Package for the Grout Treatment Facility: CY 1991*. WHC-SD-EN-DP-048, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Swanson, L. C. 1993. *Borehole Completion Data Package for Grout Treatment Facility Wells 299-E25-44 and 299-E25-45*. WHC-SD-EN-DP-058, Westinghouse Hanford Company, Richland, Washington.

Swanson, L. C. 1993. *Grout Treatment Facility Borehole Summary Report for 1989-1993 Update*. WHC-SD-SD-EN-DP-070, Westinghouse Hanford Company, Richland, Washington.

Swanson, L. C. 1994. *1994 Characterization Report for the State Approved Land Disposal Site*.

WHC-SD-C018H-RPT-003, Westinghouse Hanford Company, Richland, Washington.

Swanson, L. C., V. J. Rohay, and J. M. Faurote. 1999. *Hydrogeologic Conceptual Model for the Carbon Tetrachloride and Uranium/Technetium Plumes in the 200 West Area: 1994 Through 1999 Update*. BHI-01311, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Sweeney, M. D., K. A. Lindsey, J. S. Schmid, and J. V. Borghese. 1994. *Site Characterization Report for the Liquid Effluent Retention Facility*. WHC-SD-EN-EV-024, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Tallman, A. M., K. R. Fecht, M. C. Marratt, and G. V. Last. 1979. *Geology of the Separations Areas, Hanford Site, South-Central Washington*. RHO-ST-23, Rockwell Hanford Operations, Richland, Washington.

Teel, S. S. 1990. *Grout Treatment Facility Borehole Summary Report for 1989*. WHC-MR-0203, Westinghouse Hanford Company, Richland, Washington.

Thomas, C. W., D. L. Reid, and H. A. Treibe. 1956. *Cobalt-60 in Ground Water and Separations Plant Waste Streams*. HW-42612, General Electric Company, Hanford Atomic Products Operation, Richland, Washington.

Thompson, K. M. 1991. *Hanford Past-Practice Strategy*. DOE/RL-91-40, Rev. 0, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Thorne, P. 1998. *Upper Basalt-Confined Aquifer System in the Southern Hanford Site*. PNNL-12067, Pacific Northwest National Laboratory, Richland, Washington.

Thorne, P. D., and M. A. Chamness. 1992. *Status Report on the Development of a Three-Dimensional Conceptual Model for the Hanford Site Unconfined Aquifer System*. PNL-8332, Pacific Northwest Laboratory, Richland, Washington.

Thorne, P. D., and D. R. Newcomer. 1992. *Summary and Evaluation of Available Hydraulic Property Data for the Hanford Site Unconfined Aquifer System*. PNL-8337, Pacific Northwest Laboratory, Richland, Washington.

Thorne, P. D., M. A. Chamness, F. A. Spane, V. R. Vermeul, and W. B. Webber. 1993. *Three-Dimensional Conceptual Model for the Hanford Site Unconfined Aquifer System, FY 1993*. PNL-8971, Pacific Northwest Laboratory, Richland, Washington.

Thorne, P. D., M. A. Chamness, V. R. Vermeul, Q. C. Macdonald, and S. E. Schubert. 1994. *Three-Dimensional Conceptual Model for the Hanford Site Unconfined Aquifer System: FY 1994 Status Report*. PNL-10195, Pacific Northwest Laboratory, Richland, Washington.

Thornton, E. C. 1997. *Origin of Increased Sulfate in Groundwater at the ETF Disposal Site*. PNNL-11633, Pacific Northwest National Laboratory, Richland, Washington.

Thornton, E. C., K. J. Cantrell, J. M. Faurote, T. J. Gilmore, K. B. Olsen, and R. Schalla. 2000. *Identification of a Hanford Waste Site for Initial Deployment of the In Situ Gaseous Reduction Approach*. PNNL-13107, Pacific Northwest National Laboratory, Richland, Washington.

U.S. Department of Energy. 1982. *Site Characterization Report for the Basalt Waste Isolation Project*. DOE/RL-82-3, 3 vols., prepared by Rockwell Hanford Operations, Richland, Washington.

U.S. Department of Energy. 1988. *Consultation Draft, Site Characterization Plan, Reference Repository Location, Hanford Site, Washington*. DOE/RW-0164, Vols. 1 and 2, Richland, Washington.

U.S. Department of Energy. 1991. *Hanford Site Solid Waste Landfill Permit Application*. DOE/RL-90-38, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1991. *Hanford Site Waste Minimization and Pollution Awareness Program Plan*. DOE/RL-91-31, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1991. *Environmental Monitoring Plan, United States Department of Energy, Richland Operations Office*. DOE/RL-91-50, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1991. *Groundwater Model Development Plan in Support of Risk Assessment*. DOE/RL-91-62, Decisional Draft, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *PUREX Source Aggregate Area Management Study Report*. DOE/RL-92-04, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *B-Plant Source Aggregate Area Management Study Report*. DOE/RL-92-05, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *Columbia River Impact Evaluation Plan*. DOE/RL-92-28, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1993. *Hanford Site Solid Waste Landfill Interim Closure Plan*. DOE/RL-90-38, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1994. *Hanford Remedial Action Draft Environmental Impact Statement*. DOE/DEIS-0222, 2 vols., Richland, Washington.

U.S. Department of Energy. 1994. *Environmental Monitoring Plan, United States Department of Energy, Richland Operations Office*. DOE/RL-91-50, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Hanford Site Ground-Water Protection Management Plan*. DOE-RL-89-12, Rev. 2, Richland, Washington.

U.S. Department of Energy. 1995. *Hanford Site Risk Assessment Methodology*. DOE/RL-91-45, Rev. 3, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Hanford Site Background: Part 1, Soil Background for Nonradionuclide Analytes*. DOE/RL-92-24, Rev. 3, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Hanford Site Groundwater Remediation Strategy*. DOE/RL-94-95, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Hanford Site Groundwater Remediation Strategy*. DOE/RL-94-95, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Additional Monitoring Well Installation and Field Sampling Plan for*

Continued Groundwater Monitoring at the Horn Rapids Landfill. DOE/RL-95-50, prepared by the Department of the Army, Walla Walla District, Corps of Engineers, Walla Walla Washington for the Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1995. *Vadose Zone Characterization Project at the Hanford Tank Farms, Spectral Gamma-Ray Borehole Geophysical Logging Characterization and Baseline Monitoring Plan for the Hanford Single-Shell Tanks*. P-GJPO-1786, prepared by Rust Geotech for the Grand Junction Projects Office, Grand Junction, Colorado.

U.S. Department of Energy. 1996. *Tank Waste Remediation System, Hanford Site, Final Environmental Impact Statement*. DOE/EIS-0189, Washington, D.C.

U.S. Department of Energy. 1996. *Hanford Remedial Action Environmental Impact Assessment and Comprehensive Land Use Plan*. DOE/EIS-0222D, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *Vadose Zone Characterization Project at the Hanford Tank Farms: SX Tank Farm Report*. DOE/ID/12584-268, GJPO-HAN-4, prepared by Albuquerque Operations Office, Grand Junction Projects Office for Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *Hanford Site Background: Part 2, Soil Background for Radionuclides*. DOE/RL-96-12, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *Remedial Design Report/Remedial Action Work Plan for the 100 Areas*. DOE/RL-96-17, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *200 Areas Soil Remediation Strategy - Environmental Restoration Program*. DOE/RL-96-67, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1996. *200-UP-1 Groundwater Remedial Design/Remedial Action Work Plan*. DOE/RL-97-36, Rev. 2, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *Environmental Monitoring Plan, United States Department of Energy, Richland Operations Office*. DOE/RL-91-50, Rev. 2, prepared by personnel from Pacific Northwest National Laboratory, Fluor Daniel Hanford, Inc. and its subcontractor Waste Management Federal Services of Hanford, Inc., and Bechtel Hanford, Inc. for U.S. Department of Energy, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *Hanford Sitewide Groundwater Remediation Strategy*. DOE/RL-94-95, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *Hanford Site Background: Part 3, Groundwater Background*. DOE/RL-96-61, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *Waste Site Grouping for 200 Areas Soil Investigations*. DOE/RL-96-81, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *Richland Environmental Restoration Project Baseline, Multi-Year Work Plan*. DOE/RL-96-105, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *N-Springs Pump and Treat System Optimization Study*. DOE/RL-97-34, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *Vadose Zone Characterization Project at the Hanford Tank Farms: BY Tank Farm Report*. GJO-96-2-TAR, GJO-HAN-6, Albuquerque Operations Office and Grand Junction Office for Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *Vadose Zone Characterization Project at the Hanford Tank Farms: U Tank Farm Report*. GJO-97-1-TAR, GJO-HAN-8, Albuquerque Operations Office and Grand Junction Office for Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *Hanford Tank Farms Vadose Zone: TX Tank Farm Report*. GJO-97-13-TAR, GJO-HAN-11, Albuquerque Operations Office and Grand Junction Office for Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1997. *Vadose Zone Characterization Project at the Hanford Tank Farms: AX Tank Farm Report*. GJO-97-14-TAR, GJO-HAN-12, Albuquerque Operations Office and Grand Junction Office for Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1998. *Screening Assessment and Requirements for a Comprehensive Assessment, Columbia River Comprehensive Impact Assessment, Part II*. DOE/RL-96-16, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1998. *Hanford Tank Farms Vadose Zone, TY Tank Farm Report*. GJO-97-30-TAR, GJO-HAN-16, Albuquerque Operations Office and Grand Junction Office for Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1998. *Hanford Tank Farms Vadose Zone, S Tank Farm Report*. GJO-97-31-TAR, GJO-HAN-17, Albuquerque Operations Office and Grand Junction Office for Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1998. *Hanford Tank Farms Vadose Zone, C Tank Farm Report*. GJO-98-39-TAR, GJO-HAN-18, Albuquerque Operations Office and Grand Junction Office for Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1998. *Hanford Tank Farms Vadose Zone, BX Tank Farm Report*. GJO-98-40-TAR, GJO-HAN-19, Albuquerque Operations Office and Grand Junction Office for Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1999. *Focused Feasibility Study for the K-Basins Interim Remedial Action*. DOE/RL-98-66, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1999. *Proposed Plan for the K-Basins Interim Remedial Action*. DOE/RL-98-71, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1999. *Prototype Barrier Treatability Test Report*. DOE/RL-99-11, Rev. 0, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 1999. *Phase I RCRA Facility Investigation/Corrective Measures Study Work Plan for Single-Shell Tank Waste Management Areas*. DOE/RL-99-36, Richland Operations Office, Richland, Washington.

U.S. Department of Energy. 2000. *Recommendations for Selection of a Site-Wide Groundwater Flow and Transport Model*. DOE/RL-2000-11, Rev. 1, Richland Operations Office, Richland, Washington.

U.S. Geological Survey. 1987. *Subsurface Transport of Radionuclides in Shallow Deposits of the Hanford Nuclear Reservation, Washington - Review of Selected Previous Work and Suggestions for Further Study*. Open File Report 87-222, Tacoma, Washington.

Van Luik, A. R., R. M. Mitchell, G. V. Last, R. C. Routson, D. S. Landeen, and K. R. Fecht. 1980. *Characterization of the W-5 Burial Ground Expansion Site*. RHO-CD-941, Rockwell Hanford Operations, Richland, Washington.

Van Verst, S. P. 2000. *Hanford Site Shoreline Vegetation Study 1999*. WDOH/320-023, Washington State Department of Health, Division of Radiation Protection, Olympia, Washington.

Van Vleet, R. J. 1993. *Radionuclide and Chemical Inventories for the Single-Shell Tanks*. WHC-SD-WM-TI-565, Rev. 1, prepared by WASTREN, Inc. for Westinghouse Hanford Company, Westinghouse Hanford Company, Richland, Washington.

Vermeul, V. R., S. S. Teel, J. E. Amonette, C. R. Cole, J. S. Fruchter, Y. A. Gorby, F. A. Spane, J. E. Szecsody, M. D. Williams, and S. B. Yabusaki. 1995. *Geologic, Geochemical, Microbiologic, and Hydrologic Characterization at the In Situ Redox Manipulation Test Site*. PNL-10633, Pacific Northwest Laboratory, Richland, Washington.

Waite, J. L. 1991. *Tank Wastes Discharged Directly to the Soil at the Hanford Site*. WHC-MR-0227, Westinghouse Hanford Company, Richland, Washington.

Walters, K. L., and M. J. Grolier. 1960. *Geology and Ground-Water Resources of the Columbia Basin Project Area, Washington Volume I*, Division of Water Resources, State of Washington, Olympia, Washington.

Walters, W. H., M. C. Richmond, and B. G. Gilmore. 1994. *Reconstruction of Radionuclide Concentrations in the Columbia River from Hanford, Washington to Portland, Oregon, January 1950-January 1971*. PNWD-2225 HEDR, Pacific Northwest Laboratory, Richland, Washington.

Waste Management Federal Services, Northwest Operations, Inc. 1998. *Operational Environmental Monitoring*. WMNW-CM-004, Richland, Washington.

Weekes D. C., G. K. Jaeger, W. J. McMahon, and B. H. Ford. 1996. *Groundwater Protection Plan for the Environmental Restoration Disposal Facility*. BHI-00079, Rev. 0, Bechtel Hanford, Inc., Richland, Washington.

Weekes, D. C., S. P. Luttrell, and M. R. Fuchs. 1987. *Interim Hydrogeologic Characterization Report and Groundwater Monitoring System for the Nonradioactive Dangerous Waste Landfill, Hanford Site, Washington*. WHC-EP-0021, Westinghouse Hanford Company, Richland, Washington.

Westinghouse Hanford Company. 1987. *Data Compilation: Iodine-129 in Hanford Groundwater*. WHC-EP-0037, Richland, Washington.

Westinghouse Hanford Company. 1990. *Liquid Effluent Study: Groundwater Characterization Data*. WHC-EP-0366, Westinghouse Hanford Company, Richland, Washington.

Westinghouse Hanford Company. 1995. *Summary Report of Hanford Site Well Remediation and Decommissioning Activities for Fiscal Year 1995*. WHC-SD-EN-PRS-003, Richland, Washington.

Williams, B. A. 1992. *Borehole Completion Data Package for the 216-S-10 Ditch and Pond: CY 1991*.

WHC-SD-EN-DP-045, Westinghouse Hanford Company, Richland, Washington.

Williams, B. A. 1993. *Borehole Completion Data Package for the 216-B-63 Trench, CY 1992*. WHC-SD-EN-DP-051, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Williams, B. A. 1994. *Borehole Data Package for the 100-K Area Ground Water Wells, CY 1994*. WHC-SD-EN-DP-090, Rev. 0, Westinghouse Hanford Company, Richland, Washington.

Williams, B. A. 1995. *Borehole Data Package for the 216-U-12 Crib Well 699-36-70A, CY 1994*. WHC-SD-EN-DP-091, Westinghouse Hanford Company, Richland, Washington.

Williams, B. A., and D. B. Barnett. 1993. *Borehole Completion Data Package for the 216-S-10 Facility, CY 1992*. WHC-SD-EN-DP-052, Westinghouse Hanford Company, Richland, Washington.

Williams, B. A., B. N. Bjornstad, R. Schalla, and W. D. Webber. 1999. *Revised Hydrogeology for the Suprabasalt Upper Aquifer System, 200 East Area, Hanford Site, Washington*. PNNL-12261, Pacific Northwest National Laboratory, Richland, Washington.

Williams, M. D., V. R. Vermeul, J. E. Szecsody, J. S. Fruchter, and C. R. Cole. 1999. *100-D Area In Situ Redox Treatability Test for Chromate-Contaminated Groundwater: FY-1998 Year-End Report*. PNNL-12153, Pacific Northwest National Laboratory, Richland, Washington.

Williams, M. D., V. R. Vermeul, M. Oostrom, J. C. Evans, J. S. Fruchter, J. D. Istok, M. D. Humphrey, D. C. Lanigan, J. E. Szecsody, M. D. White, T. W. Wietsma, and C. R. Cole. May 1999. *Anoxic Plume Attenuation in a Fluctuating Water Table System: Impact of 100-D Area In Situ Redox Manipulation on Downgradient Dissolved Oxygen Concentrations*. PNNL-12192, Pacific Northwest National Laboratory, Richland, Washington.

Wilson, C. R., C. M. Einberger, R. L. Jackson, and R. B. Mercer. 1993. "Design of Ground-Water Monitoring Networks Using the Monitoring Efficiency Model (MEMO)." *Ground Water* 30(6):965-970.

Yonge, D., A. Hossain, R. Cameron, H. Ford, and C. Storey. 1996. *Hanford Soil Partitioning and Vapor Extraction Study*. BHI-00861, Bechtel Hanford, Inc., Richland, Washington.