

References

- Arnold, R. A. (2002), *Report on the threatened valley elderberry longhorn beetle and its elderberry food plant at the Lawrence Livermore National Laboratory – Site 300*, Entomological Consulting Services, Ltd. Pleasant Hill, CA.
- ATSDR (2000), *Health Consultation, Lawrence Livermore National Laboratory, Big Trees Park 1998 Sampling*, Livermore, California, Federal Facilities Assessment Branch, Division of Health Assessment and Consultation, Agency for Toxic Substances and Disease Registry, Atlanta, Georgia, (CERCLIS No. CA2890012584).
- ATSDR (2002), *Health Consultation, Tritium Releases and Potential Offsite Exposure, Lawrence Livermore National Laboratory (U.S. DOE), Livermore, Alameda County, California, EPA Facility ID: CA 2890012584; and Lawrence Livermore National Laboratory (U.S. DOE); Tracy, San Joaquin County, California, EPA Facility ID: CA 2890090002; and Savannah River Site (U.S. DOE), Aiken, Aiken, Barnwell and Allendale Counties, South Carolina, EPA Facility ID: SC1890008989*. Agency for Toxic Substances Disease Registry, Atlanta, Georgia. March 11, 2002.
- ATSDR (2003), *ATSDR Final Public Health Assessment Plutonium 239 in Sewage Sludge Used as a Soil or Soil Amendment in the Livermore Community, Lawrence Livermore National Laboratory, Main Site (USDOE) Livermore, Alameda County, California, EPA Facility ID: CA2890012584*. Agency for Toxic Substances Disease Registry, Atlanta, Georgia, October 2003 (Public comment copy).
- ATSDR (2005), *Public Health Assessment, Lawrence Livermore National Laboratory Site 300 (USDOE), Tracy, San Joaquin County, California, EPA Facility ID: CA2890090002*. Agency for Toxic Substances Disease Registry, Atlanta, Georgia.
- Attix, F. H. and W. C. Roesch (eds) (1968), *Radiation Dosimetry*, Second Edition, Volume I, Fundamentals. Academic Press, NY.
- Avalos, G. (2005), “Vintners toast triumph as Supreme Court uncorks potential for out-of-state sales” *Contra Costa Times*, Tuesday, May 17, 2005.
- Berg, L. L., E. N. Folsom, M. D. Dresen, R. W. Bainer, and A. L. Lamarre, eds. (1997), *Explanation of Significant Differences for Metals Discharge Limits at the Lawrence Livermore National Laboratory Livermore Site*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-125927).
- Blake, R. G., C. M. Noyes, and M. P. Maley (1995), *Hydrostratigraphic Analysis—The Key to Cost-Effective Ground Water Cleanup at Lawrence Livermore National Laboratory*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-JC-120614).
- Brown, R. (2005a), *Lawrence Livermore National Laboratory Livermore Site Annual Storm Water Monitoring Report for Waste Discharge Requirements 95-174, Annual Report 2004-2005*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-126783-05).
- Brown, R. (2005b), *Lawrence Livermore National Laboratory Site 300 Annual Storm Water Monitoring Report for Waste Discharge Requirements 97-03-DWQ, Annual Report 2004-2005*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-144362-05).

References

- Brown, R. (2006), *LLNL Experimental Test Site 300 Compliance Monitoring Report for Waste Discharge Requirements 96-248, Annual/Fourth Quarter Report 2005*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-125915-05-4).
- California Department of Fish and Game (2006), Special Animals List. State of California, The Resource Agency, Department of Fish and Game, Biogeographic Data Branch, California Natural Diversity Database. <http://www.dfg.ca.gov/hcpb/species/lists.shtml>
- Campbell, C. and M. J. Taffet (2006), *LLNL Experimental Test Site 300 Compliance Monitoring Program for the CERCLA-Closed Pit 6 Landfill, Annual Report for 2005*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-132057-05-4).
- Campbell, C. and D. H. MacQueen (2006), *LLNL Experimental Test Site 300 Compliance Monitoring Program for RCRA-Closed Landfill Pits 1 and 7, Annual Report for 2005*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-10191-05-4).
- Carlsen, T.M., J.W. Menke, B.M. Pavlik (2000), Reducing competitive suppression of a rare annual forb by restoring native California perennial grasslands, *Restoration Ecology* 8(1)18-30.
- Carpenter, D. W., J. J. Sweeney, P. W. Kasameyer, N. R. Burkhard, K. G. Knauss, and R. J. Shelton (1984), *Geology of the Lawrence Livermore National Laboratory Site and Adjacent Areas*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-53316).
- Clark, H. O., D. A. Smith, B. L. Cypher, and P. A. Kelly (2002), *Mesocarnivore Surveys on Lawrence Livermore National Laboratory Site 300*, California State University, Stanislaus, Endangered Species Recovery Program, Fresno, CA.
- CNPS (2001), *Inventory of Rare and Endangered Plants of California* (sixth edition), Rare Plant Scientific Advisory Committee, David P. Tibor, Convening Editor, California Native Plant Society, Sacramento, CA. 388pp.
- CVRWQCB (1993), *Waste Discharge Requirements for Post-Closure Monitoring Requirements for Two Class I Landfills*, (Order No. 93-100).
- CVRWQCB (1998a), *Monitoring and Reporting Program No. 93-100, Revision 2*.
- CVRWQCB (1998b), *The Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board, Central Valley Region, the Sacramento River Basin and the San Joaquin River Basin*, (fourth edition).
- Dibblee, T. W., Jr. (1980), *Preliminary Geologic Map of the Midway Quadrangle, Alameda and San Joaquin Counties, California*, USGS Open File Report 80-535.
- Dibley, V., M. Taffet, J. Valett, M. Denton, S. Gregory, T. Carlsen, Z. Demir, W. Daily, D. Mason, P. McKereghan, R. Goodrich, and S. Chamberlain (2006) *2005 Annual Compliance Report for Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-206319-05).
- Dibley, V., T. Carlsen, S. Chamberlain, W. Daily, Z. Demir, M. Denton, R. Goodrich, S. Gregory, V. Madrid, M. Taffet, and J. Valett (2005) *First Semester 2005 Compliance Monitoring Report, Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-206769-05).

- Dobson, J. E., E. A. Bright, P. R. Coleman, R. C. Durfee, B. A. Worley (2000), *LandScan: A Global Population Database for Estimating Populations at Risk, Photogrammetric Engineering & Remote Sensing* Vol 66, No. 7, July 2000. pp.849–857; see also the Website <http://www.ornl.gov/sci/gist/landscan/index.htm>.
- Dresen, M. D., J. P. Ziagos, A. J. Boegel, and E. M. Nichols (eds.) (1993), *Remedial Action Implementation Plan for the LLNL Livermore Site*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-110532).
- DTSC (2002), *Technical Completeness of Post-Closure Permit Application, Capped High Explosive Open Burn Treatment Facility, Lawrence Livermore National Laboratory, Site 300*, EPA ID No. CA-2890090002. Department of Toxic Substances Control, Berkeley, CA (Letter: October 23, 2002).
- DTSC (2003), *Transmittal of Documents Relating to the Final Post Closure Permit Decision for Lawrence Livermore National Laboratory, Site 300*, EPA ID No. CA-2890090002. Department of Toxic Substances Control, Berkeley, CA (Letter: February 21, 2003).
- DTSC (2005), *Class 1 Modifications to Post-Closure Operation Plan, Building 829, Lawrence Livermore National Laboratory (LLNL), Site 300*, EPA ID No. CA-2890090002. Department of Toxic Substances Control, Berkeley, CA (Letter: July 20, 2005).
- Eckermann, K. F., R. W. Leggett, C.B. Nelson, J. S. Puskin, and A.C.B. Richardson (1999), *Cancer Risk Coefficients for Environmental Exposure to Radionuclides*, Federal Guidance Report No. 13 (EPA 402-R-99-001) September 1999.
- Eisenbud (1987), *Environmental Radioactivity from Natural, Industrial, and Military Sources* (third edition), Academic Press Inc., San Diego, CA.
- Ferry, L., T. Berry, and D. MacQueen (1998), *Post-Closure Plan for the Pit 6 Landfill Operable Unit, Lawrence Livermore National Laboratory, Site 300*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-128638).
- Ferry, L., M. Dresen, Z. Demir, V. Dibley, V. Madrid, M. Taffet, S. Gregory, J. Valett, and M. Denton (2006), *Site-Wide Remediation Evaluation Summary Report for Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-220391).
- Ferry, L., R. Ferry, W. Isherwood, R. Woodward, T. Carlsen, Z. Demir, R. Qadir, and M. Dresen, (1999), *Final Site-Wide Feasibility Study for Lawrence Livermore National Laboratory Site 300*, (UCRL-AR-132609).
- Ferry, L. and C. Holtzapple (2005a), *Characterization Summary Report for the Building 812 Study Area at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, CA, September 28, 2005.
- Ferry, L. and C. Holtzapple (2005b), *Characterization Summary Report for the Sandia Test Site at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, CA, December 15, 2005.
- Ferry, R., L. Ferry, M. Dresen, and T. Carlsen (2002), *Compliance Monitoring Plan/Contingency Plan for Interim Remedies at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-147570).

References

- Gallegos, G. M. (1991), *Assessment of Sediment Monitoring at LLNL*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-ID-121236).
- Gallegos, G. M. (1993), "Surveillance Monitoring of Soils for Radioactivity: Lawrence Livermore National Laboratory 1976 to 1992," *Health Physics* 69 (4), 487–493.
- Gallegos, G. M., B. K. Balke, K. A. Surano, W. G. Hoppes, P. J. Tate, J. C. Steenhoven, B. C. Fields, L. M. Garcia, K. C. Lamson (1992), *Environmental Report 1991*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-50027-91).
- Gallegos, G. M., D. MacQueen, and K. A. Surano (1999), *Livermore Big Trees Park: 1998 Summary Results*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-ID-134581).
- Gallegos, G. M., P. J. Tate, B. K. Balke, E. Christofferson, R. J. Harrach, W. G. Hoppes, R. A. Failor, S. Wander, B. C. Fields, L. M. Garcia, and A. R. Grayson (1994), *Environmental Report 1993*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-50027-93).
- Galles, H. L. (1997), Letter to J. Cho re: Lawrence Livermore National Laboratory Drainage Retention Basin Monitoring Plan Amendment (WGMG97-439, December 9, 1997).
- Goodrich, R., and R. Depue (2003), *LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-MA-109115, Rev. 11).
- Gouveia, F., and K. R. Chapman (1989), *Climatology of Lawrence Livermore National Laboratory*, Lawrence Livermore National Laboratory, Livermore, CA (UCID-21686).
- Grayson A., (2005), *Lawrence Livermore National Laboratory Livermore Site Semiannual Wastewater Point-Source Monitoring Report December 2004–May 2005*, Lawrence Livermore National Laboratory, Livermore, CA (UCAR-10204-05-2).
- Grayson A., (2006), *Lawrence Livermore National Laboratory Livermore Site Semiannual Wastewater Point-Source Monitoring Report June 2005–November 2005*, Lawrence Livermore National Laboratory, Livermore, CA (UCAR-10204-06-1).
- Gudiksen, P. H., C. L. Lindeken, C. Gatrousis, and L. R. Anspaugh (1972), *Environmental Levels of Radioactivity in the Vicinity of the Lawrence Livermore Laboratory, January through December 1971*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-51242).
- Gudiksen, P. H., C. L. Lindeken, J. W. Meadows, and K. O. Hamby (1973), *Environmental Levels of Radioactivity in the Vicinity of the Lawrence Livermore Laboratory, 1972 Annual Report*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-51333).
- Harrach, R. J., R. A. Failor, G. M. Gallegos, P. J. Tate, E. Christofferson, E. R. Brandstetter, J. M. Larson, A. H. Biermann, R. A. Brown, B. C. Fields, L. M. Garcia, and A. R. Grayson (1996), *Environmental Report 1995*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-50027-95), <http://www.llnl.gov/saer/>.
- Harrach, R. J., G. M. Gallegos, R. A. Failor, E. Christofferson, P. J. Tate, E. R. Brandstetter, J. M. Larson, J. McIntyre, B. C. Fields, R. A. Brown, L. M. Garcia, and A. R. Grayson (1995), *Environmental Report 1994*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-50027-94), <http://www.llnl.gov/saer/>.

- Harrach, R.J, G. M. Gallegos, S. R. Peterson, K. R. Wilson, P. E. Althouse, J. M. Larson, N. A. Bertoldo, P. J. Tate, and B. M. Bowen (2004). *LLNL NESHAPs 2003 Annual Report*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-ID-113867-04).
- Harrach, R.J, G. M. Gallegos, S. R. Peterson, and K. R. Wilson (2005). *LLNL NESHAPs 2004 Annual Report*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-ID-113867-05).
- Harrach, R. J., G. M. Gallegos, P. J. Tate, E. Christofferson, E. R. Brandstetter, J. M. Larson, A. H. Biermann, B. C. Fields, L. M. Garcia, and K. A Surano (1997), *Environmental Report 1996*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-50027-96), <http://www.llnl.gov/saer/>.
- Hoffman, F., R. G. Blake, Z. Demir, R. J. Gelinas, P. F. McKereghan, and C. D. Noyes (2003), A conceptual model and remediation strategy for volatile organic compounds in unconsolidated sediments: A Lawrence Livermore National Laboratory case study. *Environmental & Engineering Geoscience* 9 (February 2003), no. 1:83–94.
- Holland, R. C., R. W Buddemeier, and D. D. Brekke, *Environmental Monitoring at the Lawrence Livermore National Laboratory. 1986 Report*. Environmental Protection Guidance and Monitoring Series, Lawrence Livermore National Laboratory, Livermore, CA. (UCRL-50027-86) April 1987.
- Howell, S. (2003), “Biodiesel Specifications and Life Cycle,” presented at Alternative Diesel Fuels Symposium, Sacramento, California, August 19–20, 2003.
- Huey, A. S. (1948), “Geology of the Tesla Quadrangle, California,” *California Division of Mines and Geology*, Bulletin 140.
- IAEA/WMO (2004). Global Network of Isotopes in Precipitation. The GNIP Database. Available at: <http://isohis.iaea.org>
- International Committee on Radiation Protection (1996), Age-dependent doses to members of the public from intake of radionuclides: Part 5. Compilation of Ingestion and Inhalation Dose Coefficients. *Annals of the ICRP Vol. 26 No. 1. ICRP # 72* ISSN 0146-6453, Pergamon Press, Oxford; 1996.
- Isherwood, W. F., C. H. Hall, M. D. Dresen, and A. J. Boegel (1991), *CERCLA Feasibility Study Report for the LLNL Livermore Site*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-104040).
- Jackson, C. S. (2002), *Drainage Retention Basin Monitoring Plan Change*, Letter to Ms. Naomi Feger, San Francisco Bay Regional Water Quality Control Board, Lawrence Livermore National Laboratory, Livermore, CA WGMG02:175: CSJ:RW:kh, (December 6, 2002).
- Karachewski, J., M. Dresen, E. Folsom, L. Berg, and J. Coty (Eds.) (2005), *LLNL Ground Water Project 2004 Annual Report*, Lawrence Livermore National Laboratory, Livermore, CA. (UCRL-AR-126020-04).
- Karachewski, J., M. Dresen, E. Folsom, L. Berg, and J. Coty (Eds.) (2006), *LLNL Ground Water Project 2005 Annual Report*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-126020-05).

References

- Lamarre, A. L., and M. J. Taffet (1989), *Firing Table Gravel Cleanup at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, CA (UCAR-10282).
- Larson, J. M., S. R. Peterson, and K. R. Wilson (2006). *LLNL NESHAPs 2005 Annual Report*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-TR-113867-06).
- LLNL (1992), *CERCLA Record of Decision for the Lawrence Livermore National Laboratory, Livermore Site*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-109105).
- LLNL (1998) *Livermore Big Trees Park 1998 Sampling Plan*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-ID-130551).
- LLNL (2001a), *Radioactive Waste Management Basis for the Lawrence Livermore National Laboratory*, September 2001.
- LLNL (2001b), *Revisions to the Post-Closure Permit Application for the Building 829 HE Open Burn Treatment Facility—Volume 1* (Revised December 2001). Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-139697-01).
- LLNL (2002), Personal communication with Jim Woollett and Michael van Hattem, Wildlife Biologists, Lawrence Livermore National Laboratory, Livermore, California.
- LLNL (2003), LLNL avian monitoring program variable circular plot point count and constant effort mist netting. Lawrence Livermore National Laboratory, Livermore, CA.
- LLNL (2005), *Integrated Safety Management System Description*, Version 8, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-132791); available at: http://www.llnl.gov/es_and_h/ism/ism-descriptionv8.pdf.
- LLNL (2006), *Radioactive Waste Management Basis for the Lawrence Livermore National Laboratory*, Lawrence Livermore National Laboratory, Livermore, CA, Revision 1, (UCRL-AR-220455), April 2006.
- MacQueen, D. H. (1995), *Livermore Big Trees Park January 1995 Soil Survey Results*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-ID-121045).
- MacQueen, D. H., G. Gallegos, K. A. Surano (2002), *Livermore Big Trees Park:1998 Results*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-ID-143311).
- Madrid, V., J. Valett, M. Denton, Z. Demir, M. Dresen, B. Daily, and V. Dibley (2005), *Interim Remedial Design Document for the Building 832 Canyon Operable Unit*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-214990).
- Mathews, S. (2000), *Lawrence Livermore National Laboratory Site 300 Water Suppliers' Pollution Prevention and Monitoring and Reporting Program*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-139704).
- Mathews, S., and M. Taffet (1997), *Final Closure Plan for the High-Explosives Open Burn Facility at Lawrence Livermore National Laboratory Experimental Test Site 300*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-ID-111753 Rev. 1).
- Myers, D. S., W. J. Silver, D. G. Coles, K. C. Lamson, D. R. McIntyre, and B. Mendoza (1976), "Evaluation of the Use of Sludge Containing Plutonium as a Soil Conditioner for Food Crops," in *Transuranium Nuclides in the Environment*, International Atomic Energy Agency, IAEA-SM-199/42.

- NCRP (1987a), *Ionizing Radiation Exposure of the Population of the United States*, Report No. 93, National Council on Radiation Protection and Measurements, Washington, DC.
- NCRP (1987b), *Recommendations on Limits of Exposure to Ionizing Radiation*, Report No. 91, National Council on Radiation Protection and Measurements, Washington, DC.
- NCRP (1999), *Recommended Screening Limits for Contaminated Surface Soil and Review of Factors Relevant to Site-Specific Studies*, National Council on Radiation Protection and Measurements, Bethesda, MD (NCRP Report No. 129).
- Orloff, S. (1986), *Wildlife Studies of Site 300 Emphasizing Rare and Endangered Species: Lawrence Livermore National Laboratory, San Joaquin County, California*. BioSystems Analysis, Inc., Sausalito, CA. 46 pp.
- Parks, B. S. (1992), *User's Guide for CAP88-PC, Version 1.0*, U.S. Environmental Protection Agency, Office of Radiation Programs, Las Vegas, NV (EPA 402-B-92-001).
- Paterson, L. and E. Espeland (2005), *Rare Plant Restoration and Monitoring at Lawrence Livermore National Laboratory Site 300 Project Progress Report Fiscal Year 2004 October 2003 – September 2004*. Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-142408-04).
- Peterson, S-R., and P. A. Davis (2002), "Tritium Doses from Chronic Atmospheric Releases: A New Model Proposed for Regulatory Compliance." *Health Physics*. (UCRL-JC-141535).
- Preston, R. E. (1997), *Delineation of Waters of the United States for Arroyo Las Positas, Lawrence Livermore National Laboratory, Alameda County, California*, Jones & Stokes Associates, Inc. Sacramento, CA.
- Preston, R.E. (2002), *Special-status Plant Species Surveys and Vegetation Mapping at Lawrence Livermore National Laboratory*, Jones and Stokes, Sacramento, CA.
- Raber, E. (2004), *Third Quarter 2004 Monitoring Report for Waste Discharge Requirements (WDR) 5-00-175*, October 25, 2004.
- Raber, E., and D. W. Carpenter, eds. (1983), *An Evaluation of the Hydrogeology and Groundwater Chemistry Associated with Landfills at LLNL's Site 300*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-53416).
- Rainey, B. (2003), Personal communication with Lisa Paterson, July 2003.
- Revelli, M. A. (2006a), *Ground Water Discharge Annual Self-Monitoring Report for 2005*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-143911-05).
- Revelli, M. A. (2006b), *Lawrence Livermore National Laboratory Site 300—Compliance Monitoring Program for the Closed Building 829 Facility—Annual Report 2005*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-143121-05).
- Rogers/Pacific Corporation (1990), *Lawrence Livermore National Laboratory Site 300 Resource Conservation and Recovery Act Closure and Post-Closure Plans—Landfill Pits 1 and 7*, Vols. I and II, Van Nuys, CA (California EPA No. CA2890090002).
- Rueth, L., R. A. Ferry, L. K. Green-Horner, and T. H. De Lorenzo (1998), *Remedial Design for General Services Area Operable Unit Treatment Facilities*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-127465).

References

- Sanchez, L. (2003), *LLNL Site 300 Annual Storm Water Monitoring Report for Waste Discharge Requirements 97-03-DWQ Annual Report 2002–2003*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-144362-03).
- Sanchez, L., P. E. Althouse, N. A. Bertoldo, R. G. Blake, S. L. Brigdon, R. A. Brown, C. G. Campbell, T. Carlson, E. Christofferson, L. M. Clark, G. M. Gallegos, A. R. Grayson, R. J. Harrach, W. G. Hoppes, H. E. Jones, J. Larson, D. Laycak, D. H. MacQueen, S. Mathews, M. Nelson, L. Paterson, S. R. Peterson, M. A. Revelli, M. J. Taffet, P. J. Tate, R. Ward, R. A. Williams and K. Wilson (2003), *Environmental Report 2002*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-50027-02).
- SFBRWQCB (1982b), *Water Quality Control Plan, San Francisco Bay Basin*, State of California, San Francisco Bay Regional Water Quality Control Board, Oakland, CA.
- SFBRWQCB (1995a), *Waste Discharge Requirements and National Pollutant Discharge Elimination System (NPDES) Storm Water Permit for: U.S. Department of Energy and Lawrence Livermore National Laboratory*, San Francisco Bay Regional Water Quality Control Board, Oakland, CA. (Order No. 95-174, NPDES No. CA030023).
- SFBRWQCB (1995b), *Water Quality Control Plan, San Francisco Bay Basin*, State of California, San Francisco Bay Regional Water Quality Control Board, Oakland, CA.
- Shleien, B., and M. S. Terpilak (1984), *The Health Physics and Radiological Health Handbook*, Nucleon Lectern Associates, Inc., Olney, MD.
- Silver, W. J., C. L. Lindeken, J. W. Meadows, W. H. Hutchin, and D. R. McIntyre (1974), *Environmental Levels of Radioactivity in the Vicinity of the Lawrence Livermore Laboratory, 1973 Annual Report*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-51547).
- Silver, W. J., C. L. Lindeken, J. W. Meadows, W. H. Hutchin, and D. R. McIntyre (1975), *Environmental Monitoring at the Lawrence Livermore Laboratory, 1974 Annual Report*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-50027-74).
- Silver, W. J., C. L. Lindeken, K. M. Wong, E. H. Willes, and J. H. White (1978), *Environmental Monitoring at the Lawrence Livermore Laboratory, 1977 Annual Report*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-50027-77).
- Stone, R. and M. R. Ruggieri. (1983), *Groundwater Quality and Movement at Lawrence Livermore National Laboratory*, (UCRL-53474) December 1, 1983.
- Swaim, K. (2002), *Results of surveys for special status reptiles at the Site 300 facilities of Lawrence Livermore National Laboratory*, Swaim Biological Consulting, Livermore, CA.
- SWRCB (1997), *Waste Discharge Requirements and National Pollutant Discharge Elimination System (NPDES) Discharges of Storm Water Associated with Industrial Activities Excluding Construction Activities*, State Water Resources Control Board, Sacramento, CA (Order No. 97-03-DWQ, General Permit No. CAS000001).
- SWRCB (1999), *Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction Activity*. NPDES General Permit No. CAS000002 (Order No. 99-08-DWQ).

- Taffet, M. J., L. Green-Horner, L. C. Hall, T. M. Carlsen, and J. A. Orberdorfer (1996), *Addendum to Site-Wide Remedial Investigation Report, Building 850/Pit 7 Complex Operable Unit, Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-108131, Add. 1).
- Taffet, M. J., L. Ferry, V. Dibley, W. Daily, Z. Demir, V. Madrid, J. Valett, and S. Bilir (2005), *Final Remedial Investigation/Feasibility Study for the Building 850 Subarea at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, CA (UCAR-AR-202492).
- Thorpe, R. K., W. F. Isherwood, M. D. Dresen, and C. P. Webster-Scholten (1990), *CERCLA Remedial Investigation Report for the LLNL Livermore Site*, Vols. 1–5, Lawrence Livermore National Laboratory, Livermore, CA (UCAR-10299).
- Toy, A. J., C. L. Lindeken, K. S. Griggs, and R. W. Buddemeier (1981), *Environmental Monitoring at the Lawrence Livermore National Laboratory, 1980 Annual Report*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-50027-80).
- U.S. DOE (1991), *Environmental Regulatory Guide for Radiological Effluent Monitoring and Environmental Surveillance*, U.S. Department of Energy, Washington, DC (DOE/EH-0173T).
- U.S. DOE (1993), Record of Decision for the Lawrence Livermore National Laboratory Livermore Site, U.S. Department of Energy, Washington, DC (UCRL-AR-109105).
- U.S. DOE (2002), A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota, U.S. Department of Energy, Washington, DC, (DOE-STD-1153-2002).
- U.S. DOE (2005), *Final Site-wide Environmental Impact Statement for Continued Operation of Lawrence Livermore National Laboratory and Supplemental Stockpile Stewardship and Management Programmatic Environmental Impact Statement*, U.S. Department of Energy, Washington, DC, (DOE/EIS-0348 and DOE/EIS-0236-S3), March 2005.
- U.S. DOE and UC (1992), *Final Environmental Impact Statement and Environmental Impact Report for Continued Operation of Lawrence Livermore National Laboratory and Sandia National Laboratories*, Livermore, Lawrence Livermore National Laboratory, Livermore, CA (DOE/EIS-0157, SCH90030847).
- U.S. EPA (1987), Data Quality Objectives for Remedial Response Activities: Development Process, U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Washington, DC (EPA 540/G-87/003, OSWER Directive 9355-0).
- U.S. EPA (2000), “Notice: Final Reissuance of National Pollutant Discharge Elimination System (NPDES) Storm Water Multi-Sector General Permit for Industrial Activities,” Environmental Protection Agency, Federal Register, Volume 65, No. 210 (October 30, 2000).
- U.S. NRC (1977), Calculation of Annual Doses to Man from Routine Releases of Reactor Effluent for the Purpose of Evaluation Compliance with 10 Code of Federal Regulations, Part 50, Appendix 1, U.S. Nuclear Regulatory Commission, Washington, DC (Regulatory Guide 1.109).
- USFWS (1998), Recovery Plan for Upland Species of the San Joaquin Valley, California, U.S. Department of the Interior, Fish and Wildlife Service, Region 1, Portland Oregon, 319 pp.

References

- USFWS (2005a), “Endangered and threatened wildlife and plants; designation of critical habitat for the California tiger salamander, central population; final rule,” Federal Register 70(162) 49380–49458.
- USFWS (2005b), “Endangered and threatened wildlife and plants; proposed designation of critical habitat for the Alameda whipsnake; proposed rule” Federal Register 70(200) 60608–60656.
- USFWS (2006), “Endangered and threatened wildlife and plants; designation of critical habitat for the California red-legged frog, and special rule exemption associated with final listing for existing routine ranching activities; final rule,” Federal Register 71(71) 19244–19346.
- Weber, W. (2002), 2001-2002 Wet Season Branchiopod Survey Report, University of California, Lawrence Livermore National Laboratory, Site 300, Alameda and San Joaquin Counties. Condor Country Consulting, Hayward, CA.
- Webster-Scholten, C. P., and C. H. Hall (1988), Work Plan, Lawrence Livermore National Laboratory, Livermore Site: CERCLA/SARA Remedial Investigations/ Feasibility Studies, Lawrence Livermore National Laboratory, Livermore, CA (UCAR-10225).
- Webster-Scholten, C. P., ed. (1994), *Final Site-Wide Remedial Investigation Report, Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-AR-108131).
- West, E. (2002), 2002 Small Mammal Inventory at Lawrence Livermore National Laboratory, Site 300, Jones & Stokes, Sacramento, CA.
- Woods, N., ed. (2005), Environmental Monitoring Plan, Operation and Regulatory Affairs Division, Environmental Protection Department, Lawrence Livermore National Laboratory, Livermore, CA (UCRL-ID-106132, Rev. 4).
- World Energy, Biodiesel Background Sheet, available at www.worldenergy.net.
- Yow, J. L., (2005a), *First Quarter 2005 Compliance Report for the Eastern General Services Area Soil Vapor and Ground Water Treatment Systems at Lawrence Livermore National Laboratory Site 300*, Livermore, CA, June 30, 2004.
- Yow, J. L., (2005b), *Second Quarter 2005 Compliance Report for the Eastern General Services Area Soil Vapor and Ground Water Treatment Systems at Lawrence Livermore National Laboratory Site 300*, Livermore, CA, September 30, 2004.
- Ziagos, J., and E. Reber-Cox (1998), Ground Water Tritium Plume Characterization Summary Report for the Building 850/Pits 3 and 5 Operable Unit, Lawrence Livermore National Laboratory Site 300, Livermore, CA, October 30, 1998.