

## 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*. Pleasant Hill, CA: Entomological Consulting Services, Ltd.
- ATSDR. (2002). *Health Consultation, Tritium Releases and Potential Offsite Exposure, Lawrence Livermore National Laboratory (U.S. DOE), Livermore, Alameda County, California, EPA Facility ID: CA2890012584; and Lawrence Livermore National Laboratory (U.S. DOE); Tracy, San Joaquin County, California, EPA Facility ID: CA2890090002; and Savannah River Site (U.S. DOE), Aiken, Aiken, Barnwell and Allendale Counties, South Carolina, EPA Facility ID: SC1890008989*. Atlanta: Agency for Toxic Substances Disease Registry.
- 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*. Atlanta: Agency for Toxic Substances Disease Registry.
- Avalos, G. (2005). “Vintners toast triumph as Supreme Court uncorks potential for out-of-state sales.” *Contra Costa Times*, May 17.
- Bertoldo, N., G. Gallegos, D. MacQueen, A. Wegrecki, and K. Wilson. (2009). *LLNL NESHAPs 2008 Annual Report*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-TR-113867-09.
- Blake, R. (2008a). *LLNL Experimental Test Site 300 Compliance Monitoring Report for Waste Discharge Requirements 96-248, First Quarter 2008*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-125915-08-1.
- Blake, R. (2008b). *LLNL Experimental Test Site 300 Compliance Monitoring Report for Waste Discharge Requirements 96-248, Second Quarter 2008*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-125915-08-2.
- Blake, R. (2008c). *LLNL Experimental Test Site 300 Compliance Monitoring Report for Waste Discharge Requirements 96-248, Third Quarter 2008*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-125915-08-3.
- Blake, R. and D. H. MacQueen (2009). *LLNL Experimental Test Site 300 Compliance Monitoring Program for RCRA-Closed Landfill Pits 1 and 7, Annual Report for 2008*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-10191-08-4.
- Blake, R. and J. Vallet (2009). *LLNL Experimental Test Site 300 Compliance Monitoring Program for the CERCLA-Closed Pit 6 Landfill Annual Report 2008*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-10191-08-4.
- 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*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-JC-120614.
- Bowen, B.M. (2007). *1958–2006 Precipitation Climatology for Lawrence Livermore National Laboratory Livermore Site and Site 300*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-TR-228582.
- Burkholder, L. (2008). Personal communication with L. Paterson, wildlife biologist, Lawrence Livermore National Laboratory, Livermore, CA.
- Campbell, C.G., K. Folks, S. Mathews, and R. Martinelli. (2004). “Investigating Sources of Toxicity in Stormwater: Algae Mortality in Runoff Upstream of the Lawrence Livermore National Laboratory.” *Environmental Practice* 6(1): 23–35. LLNL-UCRL-JC-147164.
- Campbell, C.G. and S. Mathews. (2006). *An Approach to Industrial Stormwater Benchmarks: Establishing and Using Site-Specific Threshold Criteria at Lawrence Livermore National Laboratory*. CASQA Stormwater 2006 Conference, Sacramento, CA, September 25, 2006–September 27, 2006, UCRL-CONF-224278.
- 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. (2009). *Inventory of Rare and Endangered Plants, 7th Edition*. California Native Plant Society. Published on-line at <http://cnps.web.aplus.net/cgi-bin/inv/inventory.cgi>.
- CVRWQCB. (1993). *Waste Discharge Requirements for Post-Closure Monitoring Requirements for Two Class I Landfills*. Order No. 93-100.

## References

- CVRWQCB. (1998). *Monitoring and Reporting Program No. 93-100, Revision 2*.
- Dibley, V., L. Ferry, and M. Bruscheck, (2009). *2008 Annual Compliance Monitoring Report for Lawrence Livermore National Laboratory Site 300*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-206319-08.
- Dibley, V., L. Ferry, and M. Taffet (2008b). *Action Memorandum for the Removal Action at the Building 850 Firing Table, Lawrence Livermore National Laboratory Site 300*. Livermore, CA: Lawrence Livermore National Laboratory, LLNL-AR-403206.
- Dibley, V.R., L. Ferry, M. Taffet, G. Carli, and E. Friedrich, (2008a), *Engineering Evaluation/Cost Analysis for PCB-, Dioxin-, and Furan-contaminated Soil at the Building 850 Firing Table, Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, California (UCRL-AR-233862).
- DTSC. (2003). *Transmittal of Documents Relating to the Final Post Closure Permit Decision for Lawrence Livermore National Laboratory, Site 300*. Berkeley: Department of Toxic Substances Control, EPA ID No. CA-2890090002 (letter, February 21).
- Ferry, L., M. Dresen, Z. Demir, V. Dibley, V. Madrid, M. Taffet, S. Gregory, J. Valett, and M. Denton. (2006). *Final Site-Wide Remediation Evaluation Summary Report for Lawrence Livermore National Laboratory Site 300*. Livermore, CA: Lawrence Livermore National Laboratory, 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*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-132609.
- Ferry, L., T. Berry, and D. MacQueen. (1998). *Post-Closure Plan for the Pit 6 Landfill Operable Unit, Lawrence Livermore National Laboratory Site 300*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-128638.
- 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*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-147570.
- Folks, K. (2008). *Lawrence Livermore National Laboratory Site 300 Annual Storm Water Monitoring Report for Waste Discharge Requirements 97-03-DWQ*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-144362-07.
- Gallegos, G., ed. (2009). *Environmental Monitoring Plan*. Livermore, CA: Lawrence Livermore National Laboratory, Operation and Regulatory Affairs Division, Environmental Protection Department, UCRL-ID-106132, Rev. 5.
- Goodrich, R. and J. Wimborough. (2006). *LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures (SOPs)*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-109115 Rev. 12.
- Gouveia, F. and K.R. Chapman. (1989). *Climatology of Lawrence Livermore National Laboratory*. Livermore, CA: Lawrence Livermore National Laboratory, UCID-21686.
- Grayson A., K. Brunckhorst, and C. Foster. (2007). *Lawrence Livermore National Laboratory Livermore Site Semiannual Wastewater Point-Source Monitoring Report December 1, 2006 – May 31, 2007*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-10204-07-2.
- Grayson A., K. Brunckhorst, and C. Foster. (2008). *Lawrence Livermore National Laboratory Livermore Site Semiannual Wastewater Point-Source Monitoring Report June 1– November 30, 2007*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-10204-08-1.
- 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*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-50027-96. Accessible at <https://saer.llnl.gov/>.
- 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*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-50027-94. Accessible at <https://saer.llnl.gov/>.
- 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*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-50027-95. Accessible at <https://saer.llnl.gov/>.

- 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.
- ICRP. (2005). "2005 Recommendations of the International Commission on Radiological Protection (Draft for Consultation)," International Commission on Radiological Protection. Accessible at [http://www.icrp.org/docs/2005\\_recs\\_CONSULTATION\\_Draft1a.pdf](http://www.icrp.org/docs/2005_recs_CONSULTATION_Draft1a.pdf)
- International Commission on Radiological 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, pp. 1–91.
- Jackson, C.S., to S. Timm (2008), Letter: "Statistically Significant Evidence for a Release of Total Uranium from Lawrence Livermore National Laboratory Experimental Test Site (Site 300) Pit 6." Dated February 21, 2008. WGMG08-022,
- Jones, H. (2009). *Monthly Sewer Monitoring Report for LLNL Main Site*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-1355026-09-02.
- Karachewski, J., P. McKereghan, L. Berg, E. Folsom, J. Coty, and M. Dresen, eds. (2008). *LLNL Ground Water Project 2007 Annual Report*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-126020-07.
- LLNL. (2001). *Revisions to the Post-Closure Permit Application for the Building 829 HE Open Burn Treatment Facility—Volume 1* (Revised, December 2001). Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-139697-01.
- LLNL. (2002). Personal communication with J. Woollett and M. van Hattem, wildlife biologists, Lawrence Livermore National Laboratory, Livermore, CA.
- LLNL. (2003). *LLNL Avian Monitoring Program Variable Circular Plot Point Count and Constant Effort Mist Netting*. Livermore, CA: Lawrence Livermore National Laboratory.
- LLNL. (2008). *Radioactive Waste Management Basis*. Livermore, CA: Lawrence Livermore National Laboratory, LLNL-TR-402476-REV-1.
- LLNL. (2009a). "Fourth Quarter 2008 Monitoring Report for Waste Discharge Requirements (WDR) 5-00-175." Letter report to S. Timm, CRWQCB, from C. S. Jackson, LLNL EPD. Dated January 26, 2009. PRAD09-016.
- LLNL. (2009b). "Relying on MSDSs to Estimate Environmental Releases Can Cause Errors." Livermore, CA: Lawrence Livermore National Laboratory, LL-2009-LLNL-07, LLNL-AR-415307. August 4, 2009.
- 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*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-ID-111753 Rev. 1.
- Mathews, S., N.A. Bertoldo, R.A. Brown, C.G. Campbell, S. Cerruti, C.L. Conrado, A.R. Grayson, H.E. Jones, J.A. Karachewski, G. Kumamoto, J. Larson, D.H. MacQueen, L. Paterson, S.R. Peterson, M.A. Revelli, D. Rueppel, M.J. Taffet, K. Wilson, and J. Woollett. (2007). *Environmental Report 2006*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-50027-06.
- NCRP. (1987a). *Ionizing Radiation Exposure of the Population of the United States*. Washington, DC: National Council on Radiation Protection and Measurements, Report No. 93.
- NCRP. (1987b). *Recommendations on Limits of Exposure to Ionizing Radiation*. Washington, DC: National Council on Radiation Protection and Measurements, Report No. 91.
- NCRP. (1995). *Principles and Application of Collective Dose in Radiation Protection*. Bethesda, MD: National Council on Radiation Protection and Measurements, NCRP Report No. 121.
- NCRP. (1999). *Recommended Screening Limits for Contaminated Surface Soil and Review of Factors Relevant to Site-Specific Studies*. Bethesda, MD: National Council on Radiation Protection and Measurements, 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*. Sausalito, CA: BioSystems Analysis, Inc.
- Parks, B.S. (1992). *User's Guide for CAP88-PC, Version 1*. Las Vegas: U.S. Environmental Protection Agency, Office of Radiation Programs, EPA 402-B-92-001.

## References

- Paterson, L. (2009a). *Lawrence Livermore National Laboratory (LLNL) Arroyo Mocho Road Improvement and Fish Passage Project 2005 – 2007 Monitoring Report*. Livermore, CA: Lawrence Livermore National Laboratory, LLNL-AR-402408, February 2008.
- Paterson, L. (2009b). *Lawrence Livermore National Laboratory (LLNL) Arroyo Seco Management Plan 2008 Monitoring Report*. Livermore, CA: Lawrence Livermore National Laboratory, LLNL-AR-409828, January 2009.
- Preston, R.E. (1997). *Delineation of Waters of the United States for Arroyo Las Positas, Lawrence Livermore National Laboratory, Alameda County, California*. Sacramento: Jones & Stokes.
- Preston, R.E. (2002). *Special-status Plant Species Surveys and Vegetation Mapping at Lawrence Livermore National Laboratory*. Sacramento: Jones & Stokes.
- Rainey, B. (2003). Personal communication to L. Paterson, Environmental Protection Department, Lawrence Livermore National Laboratory, July.
- Revelli, M.A. (2009a). *Groundwater Discharge Annual Self-Monitoring Report for 2008*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-143911-08.
- Revelli, M.A. (2009b). *Lawrence Livermore National Laboratory Experimental Test Site 300—Compliance Monitoring Program for the Closed Building 829 Facility—Annual Report 2008*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-143121-08.
- Revelli, M. A. and K. Brunckhorst. (2008). *Lawrence Livermore National Laboratory Livermore Site Annual Storm Water Monitoring Report for Waste Discharge Requirements 95-174 Annual Report 2007-2008*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-126783-08.
- 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, EPA No. CA2890090002.
- 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*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-50027-02.
- SFBRWQCB. (1995). *Waste Discharge Requirements and National Pollutant Discharge Elimination System (NPDES) Storm Water Permit for: U.S. Department of Energy and Lawrence Livermore National Laboratory*. Oakland: San Francisco Bay Regional Water Quality Control Board, Order No. 95-174, NPDES No. CA030023.
- 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*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-51547.
- Swaim, K. (2002). *Results of Surveys for Special Status Reptiles at the Site 300 Facilities of Lawrence Livermore National Laboratory*. Livermore, CA: Swaim Biological Consulting.
- SWRCB. (1997). *Waste Discharge Requirements and National Pollutant Discharge Elimination System (NPDES) Discharges of Storm Water Associated with Industrial Activities Excluding Construction Activities*. Sacramento: State Water Resources Control Board, 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*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-108131, Add. 1.
- Taffet, M., V. Dibley, T. Carlsen, V. Madrid, Z. Demir, B. Daily, and L. Ferry. (2008). *Draft Building 812 Remedial Investigation/Feasibility Study Lawrence Livermore National Laboratory, Site 300*. Livermore, CA: Lawrence Livermore National Laboratory, LLNL-AR-404981-DRAFT.
- 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*. Livermore, CA: Lawrence Livermore National Laboratory, UCAR-10299.

- U.S. DOE. (1991). *Environmental Regulatory Guide for Radiological Effluent Monitoring and Environmental Surveillance*. Washington, DC: U.S. Department of Energy, DOE/EH-0173T.
- U.S. DOE. (2001). *Interim Site-Wide Record of Decision for Lawrence Livermore National Laboratory Site 300, Lawrence Livermore National Laboratory*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-138470.
- U.S. DOE. (2002). *A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota*. Washington, DC: U.S. Department of Energy, DOE-STD-1153-2002.
- U.S. DOE, (2007), *Final Amendment to the Interim Site-Wide Record of Decision for the Lawrence Livermore National Laboratory Site 300 Pit 7 Complex*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-222569.
- U.S. DOE/NNSA (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/National Nuclear Security Administration, Washington, D.C. March 2005. (DOE/EIS-0348; DOE/EIS-0236-S3). Accessible at: <https://www-envirinfo.llnl.gov/enviroRecent.php>
- 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, CA: Lawrence Livermore National Laboratory, DOE/EIS-0157, SCH90030847.
- U.S. EPA. (1987). *Data Quality Objectives for Remedial Response Activities: Development Process*. Washington, DC: U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, 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." *Federal Register*, Volume 65, No. 210, October 30.
- USFWS. (1998). *Recovery Plan for Upland Species of the San Joaquin Valley, California*. Portland, OR: U.S. Department of the Interior, Fish and Wildlife Service, Region 1.
- 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*. Washington, DC: U.S. Nuclear Regulatory Commission, Regulatory Guide 1.109.
- U.S. NRC/U.S. EPA (2004), *Multi-Agency Radiological Laboratory Analytical Protocols Manual (MARLAP)*, U.S. Nuclear Regulatory Commission/U.S. Environmental Protection Agency, July 2004 (NUREG-1576, EPA 402-B-04-001A, NTIS PB2004-105421).
- Valett, J., P. McKereghan, E. Folsom, and M. Dresen (Eds.). (2009). *LLNL Ground Water Project 2008 Annual Report*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-126020-08.
- Van Hattem, M. (2005). Personal communication with L. Paterson, wildlife biologist, Lawrence Livermore National Laboratory, Livermore, CA.
- Weber, W. (2002). *2001–2002 Wet Season Branchiopod Survey Report, University of California, Lawrence Livermore National Laboratory, Site 300, Alameda and San Joaquin Counties*. Hayward, CA: Condor Country Consulting.
- Webster-Scholten, C.P., ed. (1994). *Final Site-Wide Remedial Investigation Report, Lawrence Livermore National Laboratory, Site 300*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-108131.
- West, E. (2002). *2002 Small Mammal Inventory at Lawrence Livermore National Laboratory, Site 300*. Sacramento: Jones & Stokes.
- Woollett, J. (2005). Personal communication with L. Paterson, wildlife biologist, Lawrence Livermore National Laboratory, Livermore, CA.
- Ziagos, J., and E. Reber-Cox. (1998). *Ground Water Tritium Plume Characterization Summary Report for the Building 850/Pits 3 and 5 Operable Unit, Site 300*. Livermore, CA: Lawrence Livermore National Laboratory.