

## References

- 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.
- Blake, R. (2016). *LLNL Experimental Test Site 300 Compliance Monitoring Program for Closed Pit 1 Landfill, Fourth Quarter/Annual Report for 2016*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-10191-16-4.
- Blake, R. (2017). *LLNL Experimental Test Site, Site 300 Compliance Monitoring Report for Waste Discharge Requirement (WDR) Order No. R5-2008-0148, Second Semester/Annual Report 2065*, Livermore, CA: Lawrence Livermore National Laboratory, LLNL-AR-411431-17-3.
- Blake, R. and J. Vallet (2012). *LLNL Experimental Test Site 300 Compliance Monitoring Program for the CERCLA-Closed Pit 6 Landfill, Fourth Quarter Report 2012*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-132057-11-4.
- 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.
- Bourne, S., R Nagar, W. McIlvride (2010). *DRAFT Focused Feasibility Study of Methods to Minimize Mixed Hazardous and Low Level Radioactive Waste from Soil Vapor and Ground Water Treatment Facilities at the Lawrence Livermore National Laboratory Site*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-454072-DRAFT.
- Bourne, S., V. Dibley, and P. McKereghan (Eds.) (2011). *Final Addendum to Remedial, Design Report No. 1 for Treatment, Facility A: Arroyo Seco Pipeline Extension, Lawrence Livermore National Laboratory, Livermore Site*, Livermore, CA: Lawrence Livermore National Laboratory, LLNL-AR-480717.
- 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.
- Buscheck, M., and D. Loll, Ed. (2017). *2016 Annual Compliance Monitoring Report, Lawrence Livermore National Laboratory Site 300*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-206319-16.
- 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.
- CNPS, Rare Plant Program (2017). *Inventory of Rare and Endangered Plants* (online edition, v8-02). California Native Plant Society, Sacramento, CA. Website <http://www.rareplants.cnps.org> [accessed 13 March 2017].
- CVRWQCB (1993). *Waste Discharge Requirements for Post-Closure Monitoring Requirements for Two Class I Landfills*. Order No. 93-100.
- CVRWQCB (1998). *Monitoring and Reporting Program No. 93-100, Revision 2*.
- CVRWQCB (2010). *Annual Monitoring Report*.
- CVRWQCB (Lee 2014b). *Annual Monitoring Report*.

## References

- Dibley, V., L. Ferry, S. Gregory, L. Hall, V. Madrid, L. Martello, E. Shiroma, M. Taffet, and K. Wells (2009). *Compliance Monitoring Plan and Contingency Plan for Environmental Restoration at Lawrence Livermore National Laboratory Site 300*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-411239.
- Drennan, J. and J. Tortosa. (2016) *Site 300 Bat Monitoring, Final Report*. Garcia and Associates, San Francisco, CA.
- Dresen, M. D., J.P. Ziagos, A.J. Boegel, and E.M. Nichols (Eds.) (1993). *Remedial Action Implementation Plan for the LLNL Livermore Site*, Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-110532.
- 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).
- ESA (2016) *90-day Report for Listed Large Branchiopod Survey at LLNL Site 300 (2016 Season)*; USFWS File No.: 2016-TA-0314. ESA, Sacramento, CA.
- Ferry L. and C. Holtzapple. (2006). *Characterization Summary Report for the Building 865 Study Area at Lawrence Livermore National Laboratory Site 300*. Livermore, CA: U.S. Department of Energy and Lawrence Livermore National Laboratory.
- 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., 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.
- Fish, C. (2015a). *Lawrence Livermore National Laboratory Livermore Site Annual Storm Water Monitoring Report for Waste Discharge Requirements 95-174 Annual Report 2013–2014*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-126783-15.
- Fish, C. (2015b). *Lawrence Livermore National Laboratory Experimental Test Site Annual Storm Water Monitoring Report for Waste Discharge Requirements 97-03-DWQ*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-144362-15.
- Gallegos, G., ed. (2016). *Environmental Monitoring Plan*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-TR-106132, Rev. 7.
- Garcia and Associates (GANDA) (2014). *Final Report Bald and Golden Eagle Territory Surveys for the Lawrence Livermore National Laboratory*. GANDA work performed under LLNS Subcontract B607010. LLNL-SR-664876.
- Garcia and Associates (GANDA) (2015). *Golden Eagle Territories and Ecology at Site 300*. GANDA work performed under LLNS Subcontract B607351. LLNL-SR-689020.
- Goodrich, R. and G. Lorega (2016). *LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures (SOPs)*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AM-109115 REV 15.
- Gouveia, F. and K.R. Chapman (1989). *Climatology of Lawrence Livermore National Laboratory*. Livermore, CA: Lawrence Livermore National Laboratory, UCID-21686.
- 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.
- Howing, B. (2016) *Lawrence Livermore National Laboratory FY16 Site Sustainability Plan*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-680596.
- 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.
- Jones, H. (2016). *Monthly Sewer Monitoring Report for LLNL Main Site*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-1355026-16-03.

- 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. (2009). *Radioactive Waste Management Basis*. Livermore, CA: Lawrence Livermore National Laboratory, LLNL-TR-402476-REV-2.
- LLNL. (2012). *Radioactive Waste Management Basis*. Livermore, CA: Lawrence Livermore National Laboratory, LLNL-TR-402476-REV-4.
- 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.
- McKereghan, P. (2017). *LLNL Ground Water Project 2016 Annual Report*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-126020-16.
- 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.
- NCRP (2009). *Ionizing Radiation Exposure of the Population of the United States*. Bethesda, MD: National Council on Radiation Protection and Measurements, Report No. 160.
- Paterson, L. and J. Woollett (2014). *Lawrence Livermore National Laboratory Experimental Test Site, Site 300, Biological Review, January 1, 2009 through December 31, 2012*. Livermore, CA: Lawrence Livermore National Laboratory, LLNL-TR-648102.
- 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.
- Quinly, C., and M. Fratanduono (2017). *2016 Annual Yearbook for the LLNL SW/SPEIS*. Livermore, CA: Lawrence Livermore National Laboratory, LLNL-AR-730217.
- Revelli, M.A., and S. Uriostegui (2017). *Lawrence Livermore National Laboratory Experimental Test Site 300—Compliance Monitoring Program for the Closed Building 829 Facility—Annual Report 2016*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-143121-16.
- 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.
- Rosene, C. (2016). *Lawrence Livermore National Laboratory Livermore Site Semiannual Wastewater Point-Source Monitoring Report*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-10204-16-2.
- Rosene, C. (2017). *Lawrence Livermore National Laboratory Livermore Site Semiannual Wastewater Point-Source Monitoring Report*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-10204-17-1.
- 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.

## References

- 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.
- Site 300 U.S. DOE (2007). *Amendment to the Interim Site-Wide Record of Decision for the Pit 7 Complex at Lawrence Livermore National Laboratory Site 300*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-222569.
- SWEIS (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* (DOE/EIS-0236-S3) (LLNL SW/SPEIS).
- 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 (2009). *Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction Activity*. (2009-0009-DWQ).
- Taffet, et al. (2005). *Final Remedial Investigation/Feasibility Study for the Pit 7 Complex at Lawrence Livermore National Laboratory Site 300*. Livermore, CA: Lawrence Livermore National Laboratory, UCRL-AR-202492.
- 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 (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 (2011). *Derived Concentration Technical Standard*, U.S. Department of Energy Washington, D.C.
- U.S. DOE (2015). *Environmental Radiological Effluent Monitoring and Surveillance*. Washington, DC: U.S. Department of Energy, DOE-HDBK-1216-2015.
- 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/NNSA (2011). *Supplement Analysis of the 2005 Final Site-wide Environmental Impact Statement for Continued Operation of Lawrence Livermore National Laboratory*. U.S. Department of Energy/National Nuclear Security Administration, Livermore Site Office, Livermore, CA, August 2011. (DOE/EIS-0348-SA-03). Accessible at: <https://www-envirinfo.llnl.gov/enviroRecent.php>
- 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.
- USFWS (2015). *U.S. Fish and Wildlife Service Survey Guidelines for the Listed Large Branchiopods*. Sacramento, CA: U.S. Department of the Interior, Fish and Wildlife Service, Pacific Southwest Region.

## References

- 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 I*. 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).
- 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.
- Wilson, K.G., H. Byrnes, D. MacQueen, and A. Wegrecki (2017). *LLNL NESHAPs 2016 Annual Report*. Livermore, California: Lawrence Livermore National Laboratory, UCRL-TR-113867-17.
- 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.