

Los Alamos National Laboratory: ADEM Environmental Plans & Procedures

DISCLAIMER: The following is a list of procedures (titles and numbers) cited in reports that have been prepared by the Laboratory's Associate Directorate for Environmental Management (ADEM). To view each procedure, visit the [Electronic Public Reading Room \(EPRR\)](#) and enter the procedure number in the EPRR search field. The most recent version of the procedure will appear along with any references to that procedure number in other Laboratory documents.

Contact doc_mgr@lanl.gov if you need assistance.

Procedure No.	Title/Description
Administrative	
EP-AP-10003	Records Management
EP-AP-10007	Technical Procedure Development
EP-DIR-AP-10005	Records Processing
EP-DIR-AP-10020	Document Development for Environmental Programs
EP-DIR-AP-10070	Peer Review of Environmental Programs Documents
EP-DIV-SOP-20016	Identification and Notification of Newly Identified SWMUs, AOCs and Releases
EP-DIV-SOP-20156	Quality Check for Preparation of Data Sets from the LANL Environmental Information Management Database
ER-AP-20272	Environmental Remediation Project (ER) Readiness Review
Air Monitoring (EPC)	
ENV-CP-QAPP-Be NESHAP	Quality Assurance Project Plan, Beryllium NESHAP Compliance
ENV-ES-TPP-003	Technical Project Plan for the Neighborhood Environmental Watch Network (NEWNET)
ENV-ES-TPP-007	Technical Project Plan for the Direct Penetrating Radiation Monitoring Network (DPRNET)
EPC-CP-TPP-MetM	Technical Project Plan for Meteorological Monitoring
SOP-5140	AIRNET - Quality Assurance Project Plan for the Radiological Air Sampling Network
Data Management	
EP-DIV-SOP-10006	Performing Human and Ecological Risk Screening Assessments
ER-SOP-10071	Background Comparisons for Inorganic Chemicals
ER-SOP-10073	Background Comparisons for Radionuclides
ER-SOP-20231	Groundwater-Level Data Processing, Review, and Validation

Data Validation (ADESH)	
OIO-TP-5161	Routine Validation of Volatile Organic Compound Analytical Data
OIO-TP-5162	Routine Validation of Semivolatile Organic Compound Analytical Data
OIO-TP-5163	Routine Validation of Organochlorine Pesticide and Polychlorinated Biphenyl Analytical Data
OIO-TP-5165	Routine Validation of Metals Analytical Data
OIO-TP-5166	Routine Validation of Gamma Spectroscopy, Chemical Separation Alpha Spectrometry, Gas Proportional Counting, and Liquid Scintillation Analytical Data
OIO-TP-5169	Routine Validation of Dioxin Furan Analytical Data (EPA Method 1618 and SW-846 EPA Method 8290)
OIO-TP-5171	Routine Validation of Total Petroleum Hydrocarbons Gasoline Range Organics/Diesel Range Organics Analytical Data (Method 8015B)
OIO-TP-5191	Routine Validation of LC/MS/MS Perchlorate Analytical Data (SW-846 EPA Method 6850)
General Field Work	
EP-ERSS-SOP-5061	Field Decontamination of Equipment
ER-SOP-20235	Sample Containers, Preservation, and Field Quality Control
ER-SOP-20236	Handling, Packaging, and Transporting Field Samples
OIO-QP-219	Sample Control and Field Documentation
OIO-TP-222	Shipping/Receiving of Environmental Samples by the Sample Management Office (SMO)
Groundwater, Spring, and Surface Water – Measurement and Sampling	
EPC-CP-QP-205	TA-54, Area G PCB Compliance Monitoring
ER-GUIDE-20005	Groundwater Monitoring Well Dual-Screen Sampling System Installation and Testing
ER-SOP-10010	Pressure Transducer Installation, Removal, and Maintenance
ER-SOP-20032	Groundwater Sampling
ER-SOP-20243	Manual Groundwater-Level Measurements
SOP-5224	Spring and Surface Water Sampling
SOP-5225	Groundwater Sampling Using Westbay MP System
Site Survey/Screening	
EP-ERSS-SOP-5028	Coordinating and Evaluating Geodetic Surveys
ER-SOP-20238	Screening of Polychlorinated Biphenyls (PCBs) in Soil

Soil, Foodstuffs, and Biota Sampling (EPC)	
ENV-ES-TP-003	Collection of Soil and Vegetation Samples for the Environmental Surveillance Program
ENV-ES-TP-004	Produce Sampling
ENV-ES-TP-006	Sampling Soil and Vegetation at Facility Sites
ENV-ES-TP-007	Game Animal Sampling
ENV-ES-TP-008	Collection of Crawfish in the Rio Grande
ENV-ES-TP-002	Technical Project Plan for Biota Dose Assessment
EPC-ES-TP-005	Fish Sampling
EPC-ES-TP-013	Collection of Benthic Macroinvertebrates in the Rio Grande
QAPP-0001	Quality Assurance Project Plan for the Soil, Foodstuffs, and Nonfoodstuffs Biota Monitoring Project
Solids, Soils, and Sediment Sample Collection	
ER-GUIDE-20237	Geomorphic Characterization
ER-SOP-20025	Headspace Vapor Screening with a Photoionization Detector
ER-SOP-20069	Soil, Tuff, and Sediment Sampling
ER-SOP-20294	Sampling Subsurface Vapor
Storm Water Runoff – Assessments and Sampling	
EP-DIR-SOP-10004	Managing Electronic Precipitation Data from Rain Gage Stations
EP-DIR-SOP-10022	Managing Electronic Stage and Discharge Data from Stream Gage Stations
EP-DIV-GUIDE-20211	Inspection Guidance for Environmental Programs Watershed, Retention, and No Exposure Controls
EP-DIV-SOP-10005	Operation and Maintenance of Gage Stations for Storm Water Projects
EP-DIV-SOP-10008	Installing, Setting Up, and Operating 3700 ISCO Samplers
EP-DIV-SOP-20012	Post-Storm Inspection of NPDES Individual Permit Storm Water Control Measures and Installation and Maintenance of Non-Engineered Storm Water Control Measures
EP-DIV-SOP-20060	Certifying Individual Permit Storm Water Control Measures
EP-DIV-SOP-20125	Performing NPDES Storm Water Individual Permit Visual Inspections
EP-DIV-SOP-20217	Processing Surface Water Samples
ER-SOP-10013	Inspecting ISCO Storm Water Samplers and Retrieving Samples
Waste Management	
EP-DIR-SOP-10021	Characterization and Management of Environmental Programs Waste
EP-DIV-SOP-20014	Coliwasa Sampler for Liquids and Slurries
EP-DIV-SOP-20015	Weighted Bottle Sampler for Liquids and Slurries in Tanks

Well Drilling, Construction, Development, Maintenance, and Abandonment	
ENV-RCRA-QP-010	Land Application of Groundwater
EP-DIR-SOP-20020	Physical Processing, Storage, and Examination of Borehole Material at the Field Support Facility
EP-DIV-SOP-20126	Borehole Camera and Geophysical Logging System Use
EP-DIV-SOP-20221	Well Development
EP-ERSS-SOP-5029	Drilling Plan Development
EP-ERSS-SOP-5034	Monitoring Well and Borehole Abandonment
ER-SOP-20006	Monitoring Well Packer System Reinflation