

EP - WES

AC 169419 103077 084582 077152 107220 175327 084222 179136 102834 089281 117767 082197 115164

RISK ASSESSMENT AND ANALYSIS TEAM

TP 9606 9573 9594 9584 9599 10080 9595 9596 9601 9602 9603 9604 9605

**TRAINING REQUIREMENTS**

		Chris EchoHawk	Bill Eisele	Phil Fresquez	Bruce Gallaher	Andrew Green	Armand Groffman	Orval Hart	Bob King	Steve McLin	Mike McNaughton	Rich Mirenda	Terry Morgan	David Rogers	Date Completed	Initials
<b>General LANL Requirements</b>	<b>EDS Course #</b>															
GET Training	5668	X	X	X	X	X	X	X	X	X	X	X	X	X		
Initial Security Briefing	9369	X	X	X	X	X	X	X	X	X	X	X	X	X		
Annual Information Security Refresher	47075	X	X	X	X	X	X	X	X	X	X	X	X	X		
EMS Training (TP 7215)	32461	X	X	X	X	X	X	X	X	X	X	X	X	X		
Annual Security Refresher - Includes TSCM Requirement (# 21208)	1425	X	X	X	X	X	X	X	X	X	X	X	X	X		
IWM Overview (TP 6957)	31881	X	X	X	X	X	X	X	X	X	X	X	X	X		
Substance Abuse Awareness (TP 458)	42095	X	X	X	X	X	X	X	X	X	X	X	X	X		
Traffic Safety and Special Materials Convoys (TP 9311)	42903	X	X	X	X	X	X	X	X	X	X	X	X	X		
Export Control for <b>LANS</b> Employees (TP 4797)	21208	X	X	X	X	X	X	X	X	X	X	X	X	X		
Web-Based Ethics Training for <b>LANS</b> Employees (TP 9795)	44486	X	X	X	X	X	X	X	X	X	X	X	X	X		
LANL Charging Practices (Required for those who enter time)	48032	X	X	X	X	X	X	X	X	X	X	X	X	X		
<b>L AND/OR Q CLEARED PERSONNEL</b>																
Unauthorized Disclosure Training	35045	X	X	X	X	X	X	X	X	X	X	X	X	X		
Preventing Compromise Briefing - For All Q-Cleared Personnel	44971	X	X	X	X	X	X	X	X	X	X	X	X	X		
Integrated Safeguards and Security Management	44559	X	X	X	X	X	X	X	X	X	X	X	X	X		
<b>ADEP Required Training</b>																
<b>EP QAP</b>	<b>TP 9424/AC 4363</b>															
	<b>EDS Course #</b>															
EP-DIR-QAP-0001,R2 Quality Assurance Plan for the Env Programs	43369	X	X	X	X	X	X	X	X	X	X	X	X	X		
EP-DIR-SOP-2011,R4 Personnel Training and Qualification	49774	X	X	X	X	X	X	X	X	X	X	X	X	X		
EP-DIR-SOP-4004 R1, IPC 1 Records Transmittal and Retrieval Process	45796	X	X	X	X	X	X	X	X	X	X	X	X	X		
EP-DIR-SOP-4001, R4 Document Control	46049	X	X	X	X	X	X	X	X	X	X	X	X	X		
EP-DIR-SOP-4003, R2 Records Management	46048	X	X	X	X	X	X	X	X	X	X	X	X	X		
EP-DIR-SOP-5006, R0 Control of Measuring and Test Equipment	42908	X	X	X	X	X	X	X	X	X	X	X	X	X		
EP-DIR-SOP-8001, R0 Inspection, Test, and Acceptance	42909	X	X	X	X	X	X	X	X	X	X	X	X	X		

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<b>ADEP Reporting Requirements for Abnormal Events</b>	<b>TP 10468/AC 5166</b>															
SOP-5228, R0 ADEP Reporting Requirements for Abnormal Events	48646	X	X	X	X	X	X	X	X	X	X	X	X	X		
<b>Pueblo Complex Resident Training</b>	<b>EDS Course #</b>															
Pueblo BEP (TP 7766)	45751	X	X	X	X	X	X	X	X	X	X	X	X	X		
<b>Risk Assessment Team Training (TP 9572/AC 4465)</b>	<b>EDS Course #</b>															
SOP-4005, R0 Peer Review Process	48203	X	X	X	X	X	X	X	X	X	X	X	X	X		
SOP-4006, R0 Document Development & Deliverables Compliance	48204	X	X	X	X	X	X	X	X	X	X	X	X	X		
EP-ERSS-SOP-5088, R0 Requesting, Using, and Performing Quality Assurance for Analytical Data Sets,	40896	X	X	X	X	X	X	X	X	X	X	X	X	X		
EP-ERSS-SOP-5014, R0 Access to ADEP Geospatial Repositories	43136	X	X	X	X	X	X	X	X	X	X	X	X	X		
QP-5.10, R1 Change Control for Spatial Features	30693	X	X	X	X	X	X	X	X	X	X	X	X	X		
<b>EP General Field Worker (TP 9326/AC 2633)</b>	<b>EDS Course #</b>															
First Aid: Standard	3574						X				X					
CPR/AED: LANL Workplace	43562						X				X					
General Field Safety for All Employees	31619						X				X					
Fire Extinguisher, Hands On Training	9893						X				X					
Fire Extinguisher: Desig. Worker & Fire Watch (Self Study)	15672						X				X					
Electrical Safety Basics (Self Study)	11516						X				X					
RRES-WQH-SOP-004.4 Radio and Cell Phone Usage	31198						X				X					
Driving and Towing Safety for All Employees	31618						X				X					
<b>WES-ASSIGNED JOB/SITE SPECIFIC TRAINING (Supplemental Procedures)</b>																
<b>General Administrative Procedures</b>	<b>EDS Course #</b>															
SOP-0002, R0 Environmental Subcontracts Management	47757	X										X				
EP-DIR-QAP-0002, R0 Quality Plan Implementation Matrices for the Environmental Programs Directorate	42983								X			X				

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ENV-MAQ-226, R2 Loaning Radiation Survey Equipment to NON-LANL Organizations	34082					X					X					
ENV-MAQ-232, R3 Preparation of the Annual Environmental Surveillance Report	37056	X	X	X	X	X					X	X	X	X		
<b>Documents &amp; Records</b>	<b>EDS Course #</b>															
QP-4.12, R0 Documenting Oral Communications	30721				X							X	X			
<b>Monitoring, Surveillance, and Oversight Programs</b>	<b>EDS Course #</b>															
EP-WSP-QAPP-1002, R0 QAPP for the Federal Facility Compliance Agreement/Administrative Order Project	42439				X		X									
QAPP-02, R0 Quality Assurance Project Plan for the Groundwater and Base-Flow Monitoring Project	49657				X					X				X		
<b>Event Reporting</b>	<b>EDS Course #</b>															
RRES-ES-101, R0 Regulatory Reporting of Releases or Events	32253															
SOP-5159, R0 Altering Midas Scenarios	44947															
<b>Data Review &amp; Management</b>	<b>EDS Course #</b>															
SOP-5160, R0 Routine Meteorological Data Processing	44948															
ENV-MAQ-712, R1 Analytical Chemistry Data Management and Review for Soil, Foodstuffs and Biota	37273			X												
EP-ERSS-SOP-5013, R0 Analytical Data Verification/Validation Process	40833			X	X											
ENV-WQH-QP-027, R2 Managing Electronic Data	35495				X											
SOP-5230 Groundwater-Level Data Processing, Review, and Validation	48811									X						
SOP-5148, R0 Technical Evaluation of AIRNET Data and Calculated Air Concentrations	49255					X										
SOP-5149, R0 Management of AIRNET Field Data	49258					X										
EP-ERSS-SOP-5086, R0 Background Value Comparisons - Inorganic Chemicals	40894				X					X		X				
EP-ERSS-SOP-5087, R0 Background Value Comparisons - Radionuclides	40895				X					X		X				
<b>Dose Assessment</b>	<b>EDS Course #</b>															
ESH-17-502, R1 Air Pathway Dose Assessment	16893		X	X		X					X					
SOP-5023 Radiological Dose Calculations for the Annual Environmental Surveillance Report	46691		X	X							X					

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RRES-MAQ-514, R1 Calculating Dose to Non-Human Biota	38584		X	X							X					
ENV-MAQ-515, R0 Emergency Determination of Dose from Airborne Radioactive Emissions without Computer Assistance	38500		X			X					X					
RRES-MAQ-Biota, R0 Quality Assurance Project Plan for Biota Dose Assessment	35373		X	X							X					
RRES-MAQ-Dose, R0 Quality Assurance Project Plan for Environmental Dose Assessment	29146		X								X					
<b>Chain of Custody</b>	<b>EDS Course #</b>															
ENV-WQH-QP-029, R2 Creating and Maintaining Chain of Custody	45753				X											
<b>General Fieldwork</b>	<b>EDS Course #</b>															
EP-ERSS-SOP-5018, R0 Intergrated Fieldwork Planning and Authorization	40827			X												
RRES-ES-Driving, R0 Driving and Towing Safety for All Employees	31618			X												
RRES-ES-Field, R0 General Field Safety for All Employees	31619	X		X	X	X				X						
EP-ERSS-SOP-5056, R0 Sample Containers and Preservation	42845			X	X											
EP-ERSS-SOP-5055, R0 General Instructions for Field Investigations	40845			X			X									
EP-ERSS-SOP-5058, R0 Sample Control and Field Documentation	40846			X	X		X									
EP-ERSS-SOP-5060, R0 Operational Guidelines for Taking Soil and Water Samples in Explosive Areas	40849			X												
SOP-5181, R0 Notebook Documentation for WES Technical Field Activities	45752			X	X		X									
RRES-WQH-SOP-004, R4 Radio and Cellular Phone Usage	31198			X	X		X									
RRES-WQH-SOP-013, R5 Pontoon Boat Use	32225			X												
RRES-WQH-SOP-040, R0 TA-64 Field Operations Building	31211						X									
<b>Meteorology</b>	<b>EDS Course #</b>															
RRES-MAQ-401, R9 Meteorological Tower Climbing and Support <b>OJT</b>	26308															
EP-ERSS-SOP-5131, R0 Calibration and Maintenance of Instruments for the Meteorology Monitoring Project - <b>OJT</b>	44635															
ENV-MAQ-404, R4 Repairing, Maintaining, and Calibrating Meteorological Instruments in the Field - <b>Mentored Training</b>	38195															

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EP-ERSS-SOP-5100, R1 Meteorological Tower Hoist Operation	44634															
EP-ERSS-QAPP-05, R0 Quality Assurance Project Plan for Meteorological Monitoring	43695															
<b>AIRNET</b>	<b>EDS Course #</b>															
SOP-5140, R0 AIRNET - Quality Assurance Project Plan for the Radiological Air Sampling Network	49160					X		X								
SOP-5141, R0 Analytical Chemistry Data Management and Review	49285					X										
SOP-5142, R0 AIRNET - Establishing and Using Action Levels	49246					X										
SOP-5143, R0 AIRNET - Environmental Sampling of Airborne Particulate Radionuclides	49250		X			X										
SOP-5147, R0 AIRNET - Evaluation of Sampler Sites Against Siting Criteria	49254					X										
SOP-5150, R0 AIRNET - Installation of New Stations	49259					X		X								
SOP-5151, R0 AIRNET - Maintenance of Flow Control Panels	49263					X										
SOP-5153, R0 AIRNET - Leak Checking Silica Gel Cartridges	49264					X										
SOP-5154, R0 AIRNET - Quarterly Compositing of Samples	49286					X										
SOP-5155, R0 AIRNET - Special Studies	49287					X										
SOP-5173, R0 AIRNET - Sample Analyses for Unplanned Releases	49288					X					X					
SOP-5174, R0 AIRNET - Using High-Volume Samplers	49291					X										
SOP-5178, R0 AIRNET - Determining Water Content of Silica Gel Using the Lindberg Furnace	49260					X										
SOP-5234, R0 Installing and Operating the Portable Solar-Powered AIRNET Stations	48834					X										
RRES-MAQ-253, R0 Operating the Ecam	25941		X													
<b>DPRNET</b>	<b>EDS Course #</b>															
RRES-MAQ-DPRNET, R5 Quality Assurance Project Plan for the Direct Penetrating Radiation Monitoring Network	24264										X					
ENV-MAQ-210, R4 Placing and Retrieving Field TLDs - <b>OJT</b>	33436										X					
<b>NEWNET</b>	<b>EDS Course #</b>															
EP-ERSS-QAPP-003, R0 Quality Assurance Project Plan for the NEWNET	42506							X			X					
ENV-MAQ-248, R2 Calibration of the Pic on NewNET Stations	38497										X					

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<b>NonRadNet</b>		<b>EDS Course #</b>														
RRES-MAQ-NonRadNet, R0 Quality Assurance Project Plan for the Non-Radiological Air Sampling Network (NonRadNet)	25183					X										
RRES-MAQ-251, R0 Evaluation of NonRadNET Particulate Matter Data and Calculated Air Concentrations	24741					X										
<b>Aquifer Tests</b>		<b>EDS Course #</b>														
EP-ERSS-SOP-5038, R0 Slug Tests	40873									X						
EP-ERSS-SOP-5039, R0 Pumping Tests	40874									X						
<b>Groundwater, Spring, and Surface Water - Measurement &amp; Sampling</b>		<b>EDS Course #</b>														
SOP-5224 Spring & Surface Water Sampling	47874				X		X									
<b>Stormwater Runoff - Assessments &amp; Sampling</b>		<b>EDS Course #</b>														
SOP-5211, R0 Surface Water Site Assessments	45056				X		X									
ENV-WQH-SOP-009, R3 Operation and Maintenance of Stream Gaging Stations	37006				X		X									
SOP-5213, R0 Collecting Stormwater Runoff Samples	47865				X		X									
ENV-WQH-SOP-059, R1 Single Stage Sampling	37349						X									
SOP-5217, R0 Inspecting, Maintaining, and Installing BMPs	47758				X		X									
ENV-RCRA-QAPP-MSGP, R2 Storm water Multi-Sector General Permit for Industrial Activities Program - Available at: <a href="http://int.lanl.gov/orgs/env/rcra/docs/qa/ENV-RCRA-QAPP-MSGP-R2.pdf">http://int.lanl.gov/orgs/env/rcra/docs/qa/ENV-RCRA-QAPP-MSGP-R2.pdf</a>	43337				X		X									
<b>Solids, Soils &amp; Sediment Sample Collection</b>		<b>EDS Course #</b>														
SOP-06.09, R2 Spade and Scoop Method for Collection of Soil Samples	30709			X	X											
SOP-06.10, R3, IPC 1 Hand Auger and Thin-Wall Tube Sampler	30711				X											
ENV-WQH-SOP-012, R6 Active Channel and Reservoir Bottom Sediment Collection	36966			X	X											
EP-ERSS-SOP-5027, R0 Geomorphic Characterization	40855				X											
<b>Soil, Foodstuffs, and Biota Sampling &amp; Processing</b>		<b>EDS Course #</b>														
SOP-5134 Produce Sampling	45149			X												

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SOP-5135 Fish Sampling	45150			X												
SOP-5136 Game Animal Sampling	45151			X												
SOP-5137 Processing Biota Samples for Analysis	45152			X												
SOP-5132, R0 Collection of Soil and Vegetation Samples for the Environmental Surveillance Progam	45155			X												
SOP-5139, R0 Sampling Soil and Vegetation at Facility Sites - <b>Mentored Training</b>	45153			X												
QAPP-0001, R0 Quality Assurance Project Plan for the Soil, Foodstuffs, and Biota Monitoring Project	45148			X												
RRES-MAQ-513, R0 Posting of Soil Contamination Areas	25949		X								X					
<b>Other Assigned Training</b>																
CPR/AED: LANL Workplace	43562													X		
First Aid: Standard	3574													X		
Ladder Safety	TP 9579/AC 3847															
Radiological Worker II	TP 115/AC 91		X			X					X			X		
General Employee Radiological (GERT) Examination	TP 3664/AC 637															
IWM PIC Training	TP 6960/AC 2477															
IWM Preparer for Moderate Hazards Training	TP 6958/AC 2476															
IWM RLM Traininig	TP 7637/AC 2921															
Hazwoper (24 hr) Limited Site Worker	TP 125/AC93									X						
Supervisors: Authorize Electrical Work	TP 2915/AC 371															

Reviewed and Approved:

Date