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Confirmation Field Sampling Plan for the V-Tanks, TSF-09/18, at Waste Area Group 1, Operable Unit 1-10 Remedial Action

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ABSTRACT

This Field Sampling Plan describes the Waste Area Group 1, Operable Unit (OU) 1-10 remediation confirmation and secondary waste sampling activities to be performed at the Idaho National Engineering and Environmental Laboratory for the Technical Support Facility (TSF) V-Tanks, Sites TSF-09 and TSF-18. Site TSF-09 is comprised of Tanks V-1, V-2, and V-3. Site TSF-18 consists of Tank V-9 and a concrete sand filter. The field activities described in this Field Sampling Plan primarily address risk-based remediation goal data needs for the OU 1-10 V-Tank remedial design/remedial action and are in accordance with the *Federal Facility Agreement and Consent Order.*

Together, this Field Sampling Plan and the *Quality Assurance Project Plan for Waste Area Groups 1, 2, 3, 4, 5, 6, 7, 10, and Inactive Sites* constitute the soil confirmation and secondary waste analysis plan. The Field Sampling Plan provides guidance for the work site-specific investigation, including sampling, quality assurance, quality control, analytical procedures, and data management. Use of the Field Sampling Plan will help ensure that data are scientifically valid, defensible, and of known and acceptable quality. The Quality Assurance Project Plan describes project objectives and quality assurance/quality control protocols that will achieve the specified data quality objectives.

Data needs for the OU 1-10 V-Tank remedial design/remedial action were identified using the Data Quality Objective process, which included evaluating the data needs for all aspects of the remediation. Sampling needs addressed in this Field Sampling Plan include soils located on the floor of the tank excavation area and secondary waste streams that may not be characterized adequately using process knowledge and historical data.

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ACRONYMS

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
DOE	Department of Energy
DOE-ID	Department of Energy Idaho Operations Office
DOT	Department of Transportation
DQO	data quality objective
EPA	Environmental Protection Agency
ER	environmental restoration
ERPC	Environmental Restoration Program Coordinator
ES&H	environmental, safety, and health
ESH&Q	environment, safety, health, and quality
FFA/CO	Federal Facility Agreement and Consent Order
FR	Federal Register
FRG	final remediation goal
FSP	Field Sampling Plan
FTL	field team leader
FUM	facilities, utilities, and maintenance
HASP	Health and Safety Plan
HSO	health and safety officer
IEDMS	Integrated Environmental Data Management System
IET	Initial Engine Test
IH	industrial hygienist
INEEL	Idaho National Engineering and Environmental Laboratory
INEL	Idaho National Engineering Laboratory
JSS	job site supervisor

LDR	land disposal restriction
LOFT	Loss-of-Fluid Test
MCP	management control procedure
OMP	Occupational Medical Program
OSHA	Occupational Safety and Health Administration
OU	operable unit
PCB	polychlorinated biphenyl
PE	project engineer
PM	project manager
PPE	personal protective equipment
PRD	program requirements document
QA	quality assurance
QA/QC	quality assurance/quality control
QAPjP	Quality Assurance Project Plan
QC	quality control
RadCon	Radiological Control
RCRA	Resource Conservation and Recovery Act
RCT	radiological control technician
RD/RA	remedial design/remedial action
RD/RA WP	Remedial Design/Remedial Action Work Plan
RE	radiological engineer
RI/FS	remedial investigation/feasibility study
ROD	Record of Decision
RRWAC	reusable property, recyclable materials, and waste acceptance criteria
SAP	Sampling and Analysis Plan
SE	safety engineer

SH&QA	safety, health, and quality assurance
SMO	Sample Management Office
SOW	Statement of Work
SP	safety professional
STL	sampling team leader
SVOC	semivolatile organic compound
TAN	Test Area North
TBD	to be determined
TCLP	toxicity characteristic leaching procedure
TPR	technical procedure
TSCA	Toxic Substances Control Act
TSF	Technical Support Facility
UST	underground storage tank
VOC	volatile organic compound
WAG	waste area group
WGS	Waste Generator Services