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Health and Safety Plan for Operable Unit 3-13, Group 5, Snake River Plain Aquifer

BECHTEL BWXT IDAHO, LLC

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ABSTRACT

This health and safety plan establishes the procedures and requirements used to minimize health and safety risks to persons working on the Waste Area Group 3 Operable Unit 3-13, Group 5, Snake River Plain Aquifer Project as required by the Occupational Safety and Health Administration standard, 29 Code of Federal Regulations 1910.120/1926.65, *Hazardous Waste Operations and Emergency Response*. The health and safety plan contains information about the hazards involved in performing the work, and the specific actions and equipment that will be used to protect persons while working on this project. This plan has been prepared to comply with the authorized safety basis as detailed in Idaho Nuclear Technology and Engineering Center's authorized safety basis and hazard classification per the applicable preliminary hazard assessment, auditable safety analysis, or safety analysis report as applicable.

This health and safety plan is intended to give safety and health professionals the flexibility to establish and modify project site safety and health procedures throughout the entire span of site operations based on the existing and anticipated hazards.

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ACRONYMS

ACGIH	American Conference of Governmental Industrial Hygienists
AL	action level
ALARA	as low as reasonably achievable
APR	air-purifying respirator
ARDC	Administrative Record and Document Control
BBWI	Bechtel BWXT Idaho, LLC
bgs	below ground surface
CC	construction coordinator
CERCLA	Comprehensive Environmental, Response, Compensation, and Liability Act
CFA	Central Facilities Area
CFR	Code of Federal Regulations
COC	contaminant of concern
CRC	contamination reduction corridor
CRZ	contamination reduction zone
DAC	derived air concentration
dBA	decibel A-weighted
DOE	U.S. Department of Energy
DOE-ID	DOE Idaho Operations Office
DOT	U.S. Department of Transportation
EAM	emergency action manager
EC	emergency coordinator
EDF	engineering design file
EPA	U.S. Environmental Protection Agency
ER	environmental restoration
ERO	Emergency Response Organization
ERP	Environmental Restoration Program

EZ	exclusion zone
FCC	Field Construction Coordinator
FFA/CO	Federal Facility Agreement and Consent Order
FS	feasibility study
FTL	field team leader
HASP	health and safety plan
HASS	hazard assessment and sampling system
HAZWOPER	Hazardous Waste Operations and Emergency Response
HEPA	high-efficiency particulate air
HSO	health and safety officer
ICS	incident command system
IDHW	Idaho Department of Health and Welfare
IDLH	immediately dangerous to life or health
ICPP	Idaho Chemical Processing Plant
IH	industrial hygienist
INEEL	Idaho National Engineering and Environmental Laboratory
INTEC	Idaho Nuclear Technology and Engineering Center
IRTL	incident response team leader
JSS	job-site supervisor
LEL	lower explosive limit
LLW	low-level waste
MCL	maximum contaminant level
MCP	management control procedure
mrem	millirems
MSDS	material safety data sheet
NEPA	National Environmental Policy Act
NIOSH	National Institute of Occupational Safety and Health

NPL	National Priorities List
NRTS	National Reactor Testing Station
O&M	operations and maintenance
OMP	Occupational Medical Program
OSC	on-scene commander
OSHA	Occupational Safety and Health Administration
OU	operable unit
pCi/L	pico-curies/liter
PCM	personal contamination monitor
PEL	permissible exposure limit
PID	photo-ionization detector
PLN	plan
PM	project manager
PPE	personal protective equipment
PRD	program requirements directive
QA	quality assurance
QAPjP	quality assurance project plan
RadCon	radiological control
RAM	remote area monitor
RBA	radiological buffer area
RCIMS	Radiological Control and Information Management System
RCRA	Resource Conservation and Recovery Act
RCT	radiological control technician
RD/RA	remedial design/remedial action
RE	radiological engineer
rem	roentgen equivalent man
RI/BRA	remedial investigation/baseline risk assessment

RMA	radioactive material area
ROD	Record of Decision
RWP	radiological work permit
SH&QA	safety, health, and quality assurance
SAP	sampling and analysis plan
SCBA	self-contained breathing apparatus
SDA	subsurface disposal area
SE	safety engineer
SNF	spent nuclear fuel
SRPA	Snake River Plain Aquifer
SS	shift supervisor
STEL	short-term exposure limit
SWP	safe work permit
SZ	support zone
TLD	thermo-luminescent dosimeter
TLV	threshold-limit value
TPR	technical procedure
TRU	transuranic
TWA	time-weighted average
VOC	volatile organic compound
VPP	Voluntary Protection Program
WAC	waste acceptance criteria
WAG	waste area group
WCC	Warning Communications Center