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Health and Safety Plan for the Radioactive Waste Management Complex Cold Test Pits for Operable Unit 7-13/14

Larry R. Watson
October 2001

Idaho National Engineering and Environmental Laboratory
Bechtel BWXT Idaho, LLC

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ABSTRACT

This health and safety plan (HASP) establishes the procedures and requirements that will be used to eliminate or minimize health and safety risks to people working at the Radioactive Waste Management Complex (RWMC) cold (i.e., nonradioactive) test pits. The cold test pits comprise the Cold Test Pit South and the Cold Test Pit North, both located in the Subsurface Disposal Area of the RWMC.

This HASP is provided to support the integrated work control process and as a means to ensure that all safety issues are effectively addressed. It contains information about the hazards involved in performing the work as well as the specific actions and equipment that will be used to protect people while working at the task site. The HASP is intended to give safety and health professionals the flexibility to establish and modify site safety and health procedures throughout the entire span of cold test pit operations based on the existing and anticipated hazards.

The work that will be performed under this HASP includes all site preparation and restoration, general housekeeping, and grounds maintenance of the cold test pits to ensure their availability as a geotechnical resource in support of the Operable Unit 7-13/14 comprehensive remedial investigation and feasibility study. Work environments will be monitored for nonradiological low-level contaminants. Specific action levels for test chemicals have been established based on individual projects, and will be in those project-specific HASPs. If monitoring indicates action levels have been exceeded, work will be stopped and additional controls will be implemented. Emergency response planning and actions are described for various contingencies during projects conducted at the cold test pits.

Individual subcontractors demonstrating technologies at the cold test pits will be required to submit vendor data, as requested by the project, for review by the assigned cognizant environment, safety, health, and quality assurance organization prior to deployment at the cold test pits.

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ACRONYMS

AL	action level
BBWI	Bechtel BWXT Idaho, LLC
CERCLA	Comprehensive Environmental, Response, Compensation and Liability Act
CFA	Central Facilities Area
COCA	Consent Order and Compliance Agreement
CPR	cardiopulmonary resuscitation
dBA	decibel A-weighted
DOE	U.S. Department of Energy
DOE-ID	U.S. Department of Energy Idaho Operations Office
EAM	emergency action manager
EDA	equipment development area
EM	environmental management
EPA	U.S. Environmental Protection Agency
ER	environmental restoration
ERO	emergency response organization
ES&H	environment, safety, and health
ESH&QA	environment, safety, health, and quality assurance
FFA/CO	Federal Facility Agreement and Consent Order
FTL	field team leader
HASP	health and safety plan
HAZMAT	hazardous material
HAZWOPER	hazardous waste operations and emergency response
HEPA	high-efficiency particulate air
HSO	health and safety officer
ICS	incident command system

IH	industrial hygienist
INEEL	Idaho National Engineering and Environmental Laboratory
IRTL	incident response team leader
ISMS	integrated safety management system
IWCP	integrated work control process
MCP	management control procedure
MSDS	material safety data sheet
NFPA	National Fire Protection Association
NIOSH	National Institute of Occupational Safety and Health
NPL	National Priorities List
OMP	Occupational Medical Program
OSC	on-scene commander
OSHA	Occupational Safety and Health Administration
OU	operable unit
PDD	program description document
POC	point of contact
POD	plan of the day
PPE	personal protective equipment
PRD	program requirements directive
QAPjP	quality assurance project plan
RCRA	Resource Conservation and Recovery Act
RCT	radiological control technician
RI/FS	remedial investigation/feasibility study
RWMC	Radioactive Waste Management Complex
SAD	site area director
SDA	Subsurface Disposal Area

SH&QA	safety, health, and quality assurance
SMO	Sample Management Office
STD	standard
SWP	safe work permit
SZ	support zone
TLV	threshold limit value
TPR	technical procedure
TRAIN	INEEL employee training records database
TRU	transuranic
TWA	time-weighted average
VPP	voluntary protection program
WAG	waste area group
WBGT	wet-bulb globe temperature
WCC	warning communications center