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300 Area Process Trenches Supplemental Information to the Hanford Facility Contingency Plan (DOE/RL-93-75)

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EXECUTIVE SUMMARY

This document is a unit-specific contingency plan for the 300 Area Process Trenches and is intended to be used as a supplement to DOE/RL-93-75, *Hanford Facility Contingency Plan* (DOE-RL 1993). This unit-specific plan is to be used to demonstrate compliance with the contingency plan requirements of the *Washington Administrative Code*, Chapter 173-303 for certain *Resource Conservation and Recovery Act of 1976* waste management units.

The 300 Area Process Trenches are surface impoundments which were used to receive routine discharges of nonregulated process cooling water from operations in the 300 Area and dangerous waste from several research and development laboratories and the 300 Area Fuels Fabrication process. Discharges to the trenches ceased in 1994, and they were physically isolated in 1995.

Remediation of the trenches is scheduled to begin during July 1997. Currently, there are no waste management activities required at the 300 Area Process Trenches and the unit does not present any significant hazards to adjacent units, personnel, or the environment. It is unlikely that any incidents presenting hazards to public health or the environment would occur at the 300 Area Process Trenches, however, during remediation, exposure, spill, fire, and industrial hazards will exist. This contingency plan addresses the emergency organization, equipment and evacuation routes pertinent to the process trenches during remediation.

This document is referenced in BHI-EE-02, *Environmental Requirements Procedures*. Refer to BHI-EE-02 and the Waste Analysis Plan for the 300 Area Process Trenches provided in WHC-SD-L-045H-PLN-001, *300 Area Process Sewer Sampling and Analysis Plan* (WHC 1993), for additional information.

1.0 INTRODUCTION

This document is a unit-specific contingency plan for the 300 Area Process Trenches (300 APT) and is intended to be used as a supplement to the *Hanford Facility Contingency Plan* (DOE-RL 1993). This unit-specific contingency plan, used in conjunction with DOE-RL (1993), meets the contingency plan requirements of the *Washington Administrative Code*, Chapter 173-303-350(3).

2.0 DANGEROUS WASTE MANAGEMENT DESCRIPTIONS

The 300 APT, located in the 300 Area of the Hanford Site, are regulated under the *Resource Conservation and Recovery Act (RCRA)* as a modified closure/post-closure unit. The unit previously received routine discharges of nonregulated process cooling water from operations in the 300 Area, and dangerous waste from several research and development laboratories and the 300 Area Fuels Fabrication Process. The Part A, Dangerous Waste Permit Application (DOE-RL 1994) for the process trenches provides more specific information regarding waste types and volumes received at the trenches in the past. Since 1985 the unit has been administratively closed to discharges of dangerous waste. The 300 APT was included in the Hanford Facility RCRA Permit for the Treatment, Storage, and Disposal of Dangerous Waste in December 1996.

Discharges to the trenches ceased in December 1994. The trenches were isolated in January, 1995, in support of the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) (Ecology et al. 1994), Milestone M-17-10, under project L045H. A closure plan, DOE/RL-93-73 (DOE-RL 1995), has been developed for the trenches. Physical closure activities for the 300 APT will be performed per the 300-FF-1 Operable Unit Record of Decision (EPA 1996) as delineated in the closure plan. A remedial design was completed and remedial action (excavation and disposal of contaminated soil and debris to Environmental Restoration Disposal Facility) is scheduled to begin in July 1997.

3.0 EMERGENCY ORGANIZATION PERSONNEL

The Emergency Coordinator is the Building Warden, or other person(s) that can authorize

resources to respond to an incident. A current listing of names and work and home telephone numbers of Emergency Coordinators (primary and alternates) is maintained by the Hanford Site Emergency Preparedness Organization and can be accessed 24 hours a day by calling the Patrol Operations Center at 911 or 373-3800 using a cellular telephone. The Bechtel Hanford, Inc. Emergency Management Administrator (372-9252) is to be notified of any Emergency Coordinator changes. This unit-specific supplement to DOE/RL-93-75, *Hanford Facility Contingency Plan* (DOE-RL 1993), will not require Emergency Coordinator updating unless the job title, work phone, or work location of either the primary or alternate changes. See Table 1 for Emergency Coordinator information for the 300 APT.

Table 1. Emergency Coordinator.			
Designation	Job Title	Work Location	Work phone
Primary	Field Superintendent	MO-059/Room 5	373-4921
Alternate	Resident Engineer	MO-059/Room 4	373-3008

4.0 EMERGENCY EQUIPMENT

Currently, the 300 APT is not receiving dangerous waste. Prior to initiation of remedial action, there is little likelihood that spills/releases, exposures, or fires could occur. Therefore, there is no specialized equipment at the unit. Emergency equipment to be located at the unit during remedial action is indicated in Table 2.

Table 2. Emergency Equipment at the 300 APT during remediation activities.		
Type	Location	Capability
Fixed Emergency Equipment		
None	N/A	N/A
Portable Emergency Equipment		
Eye Wash Bottle	At site	Flushing eyes
First Aid Kit	Subcontractor Trailer	Administer first response first aid
Bloodborne Pathogene Kit	Subcontractor Trailer	Administer first response first aid
Fire Extinguisher	M0-059, MO-905, Subcontractor Trailer	Extinguish small fires
Personnel Decontamination Equipment	Frisking Station	Clean minor skin contamination

Communication Equipment/Warning Systems

Hanford Site-wide audible alarms will be observed. Unit-specific alarms are not necessary at the 300 APT. As a best management practice, personnel working at the unit will have access to at least one of the following communication devices:

Two-way radio	Nearby in vehicle or on personnel	Summons emergency response
Horn or other Emergency Signaling Device	OR	Summons emergency response
Cellular phone	On personnel	Summons emergency response

Spill Kits and Control Equipment

Spill Kit	Subcontractor Storage Trailer	Cleanup oils and fuels
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Personal Protective Equipment (PPE)

It is anticipated that Level D PPE will be adequate for both radiological and non-radiological process trenches remediation. PPE, including coveralls or work clothes, or Anti-C's per RWP, safety boots or shoes, safety glasses with side shields and hard hat are located in the Subcontractor Trailer. Face shield for grinding, splash protection per RWP, splash face shield protection for high pressure decontamination, steel toed boots handling heavy equipment and tools, other: gloves, canvas, surgical per RWP, leather/fire retardant coveralls for welding, and goggles for cutting are located in the Change Facility.

5.0 EVACUATION

In the event of an emergency at the 300 APT, personnel shall evacuate by the route shown on the map in Figure 1 (from site specific safety plan) to the construction trailer parking lot.

In case of a Hanford Site evacuation or take-cover alarm, personnel should contact the Patrol Operations Center by dialing 373-3800 or radio their supervisor to get directions to the nearest safe area by the most direct route. Personnel should contact their management for accountability purposes, either en route or after arrival at the safe area.

6.0 REFERENCES

BHI-EE-02, *Environmental Requirement Procedures*, Bechtel Hanford, Inc., Richland, Washington.

DOE-RL, 1993, *Hanford Facility Contingency Plan*, DOE/RL-93-75, Rev. 0, U.S. Department of Energy, Richland Operations Office, Richland, Washington.